2025 Annual Groundwater Monitoring and Corrective Action Report

for Compliance with the Coal Combustion Residuals (CCR) Rule

Gibbons Creek Steam Electric Station
TCEQ Registration No. CCR113

Gibbons Creek Environmental Redevelopment Group, LLC

January 30, 2026

Professional Engineer Certification

I hereby certify that to the best of my knowledge this groundwater monitoring annual report is designed to meet the performance standard in 40 CFR Part 257 of the Federal Coal Combustion Residuals (CCR) Rule.

I am a duly licensed Professional Engineer under the laws of the State of Texas.

Print Name: Paula Jo Lemonds, P.E., P.G.

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Date: January 30, 2026

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Table of Abbreviations and Acronyms

Abbreviation	Definition
AMSL	Above Mean Sea Level
APs	Ash Ponds
ASD	Alternate Source Demonstration
CCR	Coal Combustion Residual
CFR	Code of Federal Regulations
cm/sec	Centimeters per Second
EPA	Environmental Protection Agency
ERCOT	Electric Reliability Council of Texas
GCERG	Gibbons Creek Environmental Redevelopment Group, LLC.
GCSES	Gibbons Creek Steam Electric Station
GWPS	Groundwater Protection Standard
LCL	Lower Confidence Limit
LLDPE	Low-Linear Density Polyethylene
MDL	Method Detection Limit
mV	Millivolts
NRCS	Natural Resources Conservation Service
pCi/L	Picocuries per Liter
RCL	Recompacted Clay Liner
RER	Relative or Replicate Error Ratio
RL	Reporting Limit
RPD	Relative Percent Difference
SFL	Site F Landfill
SSI	Statistically Significant Increase
SSL	Statistically Significant Level
SSP	Scrubber Sludge Pond
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
TMPA	Texas Municipal Power Agency
USDA	United States Department of Agriculture

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Summary of 40 CFR Section § 257.90(e)(6) Groundwater Monitoring System Requirements and Site-Specific Compliance – Gibbons Creek Steam Electric Station		
§ 257.90(e)(6) *A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:*		**Site F Landfill, Scrubber Sludge Pond, Ash Ponds**
§257.90(e)(6)(i)	*At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95.*	Assessment Monitoring Program
§257.90(e)(6)(ii)	*At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95.*	Assessment Monitoring Program
§257.90(e)(6)(iii)	*If it was determined that there was a statistically significant increase over background for one or more constituents listed in appendix III to this part pursuant to § 257.94(e):*	Yes
§257.90(e)(6)(iii)(A)	*Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase.* **Note:** Site F Landfill – Shallow, Site F Landfill – Deep, Scrubber Sludge Pond and Ash Ponds monitoring networks were all monitored under the Assessment Monitoring program during the 2025 calendar year; therefore, Appendix IV constituents with statistically significant increases over background have been included in addition to Appendix III constituents. The summarized statistically significant increases (SSIs) noted in the adjacent column are documented for the November 2025 semiannual compliance monitoring event.	**Site F Landfill - Shallow** SFL MW-2 • Boron, pH SFL MW-3 • Boron, Lead SFL MW-5 • Boron, pH MNW-15 • Boron, pH, Cadmium, Cobalt **Site F Landfill - Deep** SFL MW-4 • Boron, Calcium, Chloride, TDS, SFL MW-7 • Boron, Calcium, Chloride, TDS **Scrubber Sludge Pond & Ash Ponds** SSP MW-2 • Chloride, pH, Beryllium, Cobalt, Fluoride, Radium 226+228 SSP MW-3 • Boron, pH, Beryllium, Cadmium, Cobalt, Fluoride, Mercury, Radium 226+228, Thallium SSP MW-4 • Radium 226+228 AP MW-1D • Boron, Arsenic, Cobalt, Fluoride, Molybdenum AP MW-3 • Boron, pH, Beryllium, Cadmium, Cobalt, Mercury AP MW-4 • Boron AP MW-5 • Boron, pH, Sulfate, Arsenic, Beryllium, Cadmium, Cobalt, Fluoride, Mercury, Thallium
§257.90(e)(6)(iii)(B)	*Provide the date when the assessment monitoring program was initiated for the CCR unit.*	March 2018

Summary of 40 CFR Section § 257.90(e)(6) Groundwater Monitoring System Requirements and Site-Specific Compliance – Gibbons Creek Steam Electric Station		
§ 257.90(e)(6) *A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:*		**Site F Landfill, Scrubber Sludge Pond, Ash Ponds**
§257.90(e)(6)(iv)	*If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in appendix IV to this part pursuant to § 257.95(g) include all of the following:*	Yes – Alternate Source Demonstrations (ASD) were provided as part of both the 2019 and 2021 Annual Groundwater Monitoring & Corrective Action Annual Reports. An ASD was also submitted on September 29, 2023, and an ASD Addendum #1 was submitted on August 5, 2025, to TCEQ. These ASDs indicate constituent concentrations identified at a statistically significant level above the groundwater protection standard are due to natural variability of groundwater and are not related to a release from the site's CCR units.
§257.90(e)(6)(iv)(A)	*Identify those constituents listed in Appendix IV to this part and the names of the monitoring wells associated with such an increase.* **Note:** The summarized statistically significant levels (SSLs) above the groundwater protection standards noted in the adjacent column are documented for the November 2025 semiannual compliance monitoring event.	**Site F Landfill - Shallow** MNW-15 • Cadmium, Cobalt **Site F Landfill - Deep** None **Scrubber Sludge Pond & Ash Ponds** SSP MW-2 • Beryllium, Cobalt SSP MW-3 • Beryllium, Cadmium, Cobalt, Radium 226+228, Thallium AP MW-1D • Arsenic AP MW-3 • Cobalt AP MW-5 • Arsenic, Beryllium, Cadmium, Cobalt, Thallium
§257.90(e)(6)(iv)(B)	*Provide the date when the assessment of corrective measures was initiated for the CCR unit.*	N/A – Currently monitored under assessment monitoring.
§257.90(e)(6)(iv)(C)	*Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.*	N/A – Currently monitored under assessment monitoring.
§257.90(e)(6)(iv)(D)	*Provide the date when the assessment of corrective measures was completed for the CCR unit.*	N/A – Currently monitored under assessment monitoring.
§257.90(e)(6)(v)	*Whether a remedy was selected pursuant to § 257.97 during the current annual reporting period, and if so, the date of remedy selection.*	N/A – Currently monitored under assessment monitoring.
§257.90(e)(6)(vi)	*Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.*	N/A – Currently monitored under assessment monitoring.

1 Introduction

On April 17, 2015, the United States Environmental Protection Agency (EPA) published the final rule for the regulation and management of coal combustion residual (CCR) under Subtitle D of the Resource Conservation and Recovery Act. The CCR Rule is formally promulgated in the U.S. Code of Federal Regulations (CFR), Title 40, Part 257. The rule – effective on October 19, 2015 – applies to electric utilities and independent power producers that fall within North American Industry Codes System code 221112, and facilities that produce or store CCR materials in surface impoundments or landfills [EPA, 2015]. The CCR Rule defines a set of requirements for the disposal and handling of CCR within units (defined as either landfills or surface impoundments).

The former Gibbons Creek Steam Electric Station (GCSES or Site) is the site of a former coal-fired power generation facility located in Anderson, Texas (**Figure 1**). The Texas Municipal Power Agency (TMPA) operated GCSES between 1982 and 2019. The Gibbons Creek Environmental Redevelopment Group, LLC (GCERG) acquired the TMPA property in 2021. At the GCSES, one CCR landfill identified as the Site F Landfill (SFL), and two former CCR surface impoundments, the Scrubber Sludge Pond (SSP) and Ash Ponds (APs), are subject to the regulations under 40 CFR §257 Subpart D and Texas Commission on Environmental Quality's (TCEQ) Title 30, Texas Administrative Code (30 TAC), Chapter 352. In accordance with 40 CFR §257.91 and TCEQ TAC 30 Chapter 352, TMPA installed a groundwater monitoring system around both the SFL and the SSP/APs CCR units. Following acquisition of the GCSES property, GCERG continued implementation of the Federal CCR Rule groundwater monitoring program, as required by 40 CFR §257.90-95, as a continuation of the TMPA monitoring program.

On June 1, 2021, the EPA signed a Federal Register notice approving the state permit program for the management of CCR in the State of Texas. This provided TCEQ authority to administer their partial permit program in lieu of the Federal CCR program, except for five provisions. Under TCEQ's program, the Site is required to be registered with TCEQ. GCERG submitted an application registration (Registration No. CCR113) for review and approval by TCEQ. EPA conducted a high-level review of the CCR registration for the SFL, SSP, and APs CCR units. EPA provided comments to TCEQ in a letter dated March 23, 2023. EPA stated in the letter that a 2019 Alternate Source Demonstration (ASD) [Wood, 2020] was insufficient in demonstrating the groundwater protection standard (GWPS) exceedances originate from a source other than SFL, SSP, and APs CCR units.

HDR developed an ASD report dated October 6, 2023, which included additional context and data to address EPA's comments, as well as provide additional information related to the hydrogeochemistry of the Site. During development of the 2023 ASD, evidence was provided that indicated there were vertical differences in groundwater chemistry due to pH influences and that monitoring wells in the certified monitoring networks at the Site's CCR units may be monitoring in distinctly different groundwater units.

As a result of identifying these distinctly different monitored groundwater zones, it was recommended that the SFL certified monitoring network be separated into a shallow and deep monitoring network. However, with the modification of the SFL certified monitoring network, the

deep monitoring network would not have a sufficient number of downgradient monitoring wells to meet the requirements of the EPA's CCR Rule and TCEQ regulations. This modification also caused monitoring zone gaps in the shallow and deep monitoring networks. A workplan was developed to install new and incorporate existing monitoring wells into the SFL, SSP, and APs certified networks to address data gaps in compliance monitoring as well as to collect additional hydrogeological data at the site to bolster the ASD. This workplan, dated October 22, 2024, was submitted to TCEQ for their review.

Drilling advancement, monitoring well installation, and soil sampling services were conducted at the Site in general accordance with the workplan dated October 22, 2024, and summarized in HDR's Alternative Source Demonstration – Addendum #1 report dated August 4, 2025. The August 4, 2025, report also summarized groundwater sampling services and results for the Spring 2025 (May/June 2025) semiannual compliance monitoring event at monitoring wells in the certified Site monitoring network, the initial background sampling event at newly installed monitoring wells, and additional sampling conducted at select monitoring wells for additional data related to the ASD evaluation. The August 4, 2025, report was submitted to TCEQ for their review and comment. Based on the information in the August 4, 2025, report, TCEQ indicated they were proceeding with approval of the CCR Registration Application for the Site. GCERG received the CCR Registration for the Site, which was executed by TCEQ on November 14, 2025.

The locations of the SFL CCR unit and the former SSP/APs CCR units are depicted on **Figure 2A** and **Figure 2B**, respectively. These figures also depict the groundwater monitoring wells present at each CCR unit. The certified groundwater monitoring network at each of the CCR units is detailed in **Section 4**.

2 Facility Description

The GCSES is located at 12824 FM 244, Anderson, Texas 77830. The GCSES was a single unit, 470-megawatt, coal-fired power plant. The GCSES initially operated by burning lignite from the adjacent Gibbons Creek Lignite Mine in 1982. In 1996, the GCSES converted to Powder River Basin coal and the lignite mine was closed. The GCSES was retired from the Electric Reliability Council of Texas (ERCOT) System on October 30, 2019. The Site was obtained by GCERG in 2021.

The APs were clean closed (closure by removal) in 2022. The APs were an unlined, interconnected, three-cell impoundment area, which was separated by earthen dikes, constructed in 1977 to 1978 as part of the original GCSES construction. These ponds were approximately 260 feet wide, 1,800 feet long, and 20 feet deep. The top of the perimeter berms/dikes were at an elevation of approximately 270 feet above mean sea level (AMSL). The location of the former APs are depicted on **Figure 2B**.

The SSP was clean closed (closure by removal) in 2022. The former SSP is located to the west of the APs and was a single impoundment constructed in 1977 to 1978. A liner was added to the bottom of the pond in 1983. The pond measurements were approximately 260 feet and 350 feet wide and 615 feet and 635 feet long (measured at the bottom of the impoundment). The location of the former SSP is depicted on **Figure 2B**.

GCERG completed the clean closure process of the SSP & APs CCR units by dewatering and removing all CCR material and soil material beneath the CCR units. The CCR clean closure is documented in the Closure Completion CCR Surface Impoundments report, submitted on June 2, 2022 [HDR, 2022]. The CCR material removed from the SSP/APs CCR units was placed within the SFL CCR unit. In addition, the SFL Pond 3 was backfilled and closed; all stormwater control ditches around the area of the coal pile and coal pile runoff pond have been excavated, and the coal pile itself has been removed. Excavated materials were dewatered and placed within the SFL CCR unit.

The SFL, located northeast of the decommissioned power generating plant and constructed in 1990, is approximately 114 acres and received solid CCR generated by the GCSES. The SFL CCR unit was closed with the following capping system:

- 6 inches of erosion layer;
- Underlain by 18 inches of infiltration layer;
- Underlain by a geocomposite;
- Underlain by a 40 mil linear low-density polyethylene (LLDPE) geomembrane layer;
- Underlain by 2 feet of recompacted clay liner (RCL) with a hydraulic conductivity of $1x10^{-5}$ centimeters per second (cm/sec) or slower;
- Underlain by 1 foot of intermediate cover.

Capping system construction activities associated with the SFL CCR unit were completed October 9, 2024.

3 Hydrogeology

3.1 GCSES Area Hydrogeology

Geologically, the GCSES is located on an outcrop of the middle member of the Wellborn Formation of the Jackson-Yegua Group of the Tertiary-aged System. The Wellborn Formation is described as fine to very fine quartz sand interbedded with brown, lignitic clay and lignite, with abundant fossil wood and imprints of marine megafossils. Moving south of the GCSES Site, the Manning Formation overlies the Wellborn Formation. The Manning Formation is a lignite-bearing formation, which is described as a fine to medium-grained, lignitic, quartz sand, interbedded with sandy, lignitic clay, and lignite, with abundant fossil wood. The Manning Formation has well developed lignite seams. The Gibbons Creek Lignite Mine was located in the Manning Formation, located approximately two miles south of GCSES. Quaternary-aged alluvium and terrace deposits are present in the Brazos River, Navasota River, and Gibbons Creek valleys [Horbaczewski, 2011].

The geological formation of the GCSES area is based on the cyclothem model in which the sea transgressed over land and then regressed. Sedimentary rock was stacked over time in a pattern that was indicative of the presence and absence of the sea. This depositional process is described in more detail in the Field Guidebook Minesoil and Acid Seep Workshop document for the Gibbons Creek Lignite Mine [Horbaczewski, 2011]. The GCSES area is located in the Texas Coastal Plain region which was developed by this depositional process.

Lignite mining has been conducted in eastern and east-central Texas along the lignite belt depositional area. This lignite belt follows the Tertiary-aged coastal region. GCSES is located in the lignite belt region [HDR, 2023].

Borings conducted at the Site indicate a subsurface stratigraphy consisting of stratified, heterogeneous layers of clays, silts, and sands. The clay and silt intervals consisted of high plasticity material. Silty sand intervals generally consisted of fine, poorly graded sands with occasional high plasticity clay and silt lenses. Occasional sandstone layers were detected in select borings across the Site. Lignite and lignitic clay seams have been identified in soil borings at the Site. Bedrock material is sandstone [ERM, 2005].

The topography of the GCSES and locations of the CCR units are generally flat with surface elevation decreasing from north to south and southwest. Surface water drainage is generally to the south and southwest. Gibbons Creek Reservoir is located immediately adjacent to the GCSES and CCR units on the east and south sides (**Figure 1**). The reservoir was established as a cooling pond for the GCSES. Impoundment of Gibbons Creek Reservoir began in spring 1981. Discharge from the reservoir feeds into Gibbons Creek, which is a tributary of the Navasota River which is a tributary of the Brazos River.

The uppermost groundwater at GCSES CCR units ranges from approximately 220 to 260 feet AMSL. The uppermost groundwater aquifer at the Site is considered confined to semi-confined due to the stratified nature of the sedimentary sediments and influences of weathering and erosion. General groundwater flow direction at the Site is from the northwest to southeast with local variation related to the influence of the reservoir. The groundwater flow generally follows topography with the flow towards the Gibbons Creek Reservoir and the Gibbons Creek valley.

3.2 GCSES Area Geochemistry – Pyrite and pH

As noted in the 2019 ASD [Wood, 2020] and in the 2023 ASD [HDR, 2023], the elevated concentrations of constituents of concern were primarily related to the low pH measured in the groundwater samples. The low pH was attributed to the weathering of naturally present pyrite in sediments at the Site. The presence of pyrite at and in the general area of GCSES is attributed to the geological formation of the region, as described in **Section 3.1**. Marine environments promote the formation of pyrite. Anoxic conditions can develop in marine sediments as organic material (i.e., buried coastal vegetation due to sea transgression) is broken down by bacteria. For this process to occur, electron acceptors are used by bacteria. The consumption of electron acceptors generally proceeds in the following order:

1. Aerobic processes
2. Nitrate reduction processes
3. Manganese reduction processes
4. Iron reduction processes
5. Sulfate reduction processes
6. Methane generation processes

Iron and sulfate are relatively high in concentration in seawater when compared to freshwater (i.e., low-salinity), and the solubility product of iron sulfides is extremely low [Horbaczewski,

2011]. Thus, if ferrous iron and sulfide ions, which are products of iron reduction and sulfate reduction processes, respectively, are in close proximity, iron sulfide will precipitate. This process eventually forms pyrite (iron disulfide). Framboidal pyrite is commonly found in coastal sediments or sedimentary sediments formed from marine sediments. Framboidal pyrite is present in Texas lignite formations. Pyrite was noted on select boring logs from site monitoring wells [AFWEI, 2017; HDR, 2025a].

When the process is reversed and pyrite is exposed to an aerobic state, it is oxidized. This oxidation forms ferrous iron and sulfuric acid in aqueous solutions. This release of sulfuric acid can cause acidification of natural waters. The pyrite that is present in the Jackson-Yegua Formation located at the Site provides sulfide constituents that can be oxidized. Natural acid seeps have been observed in the general area of the Site as a result of dissolution of pyrite in lignite [Horbaczewski, 2007]. Based on data obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service's (NRCS's) Web Soil Survey database, shallow soil sediments at the Site generally are acidic with pH measurements in the range from 3.5 to 6.5 [HDR, 2023]. Shallow groundwater in unconfined or semi-confined aquifers that is in contact with lignite and has a positive oxidation-reduction potential (ORP) generally exhibit a low pH. This has been observed in shallow screened monitoring wells at the Site [HDR, 2023].

This process has also been observed in other regional monitoring and water supply wells screened in the Wellborn and Manning Formations. The Twin Oaks Landfill (2690 State Highway 30, Anderson, Texas) is located approximately four miles west-southwest of the GCSES. The Twin Oaks Landfill has a monitoring network that consists of an upper (shallow) groundwater monitoring network and a lower (deeper) groundwater monitoring network. Based on information provided in the publicly available monitoring report dated May 29, 2017 [JBS], the upper groundwater monitoring network had groundwater with relatively lower pH while the deeper monitoring network had groundwater with higher pH [HDR, 2023].

Based on the GCSES well data and the Twin Oaks Landfill data, shallow groundwater monitored in the 230 to 270 feet AMSL zone of the sediments appears to have generally lower pH, which ranges from approximately 3.5 to 5.0. This lower pH groundwater is not generally used as a consumptive water supply source in the region. Most water supply wells in the region are in deeper formations, which have different geological development. A few water supply wells in the general area of GCSES are screened in or near the 230 to 270 feet AMSL zone of sediments. Water supply wells with the state well numbers 5932502, 5932601, and 6017403 are located within the general area of GCSES. Data for these water supply wells were obtained from the Texas Water Development Board online database and is summarized in the 2023 ASD [HDR, 2023]. Water supply well 5932601 had a pH value of 4.3, which was measured in a groundwater sample collected in January 1971. This low pH was measured in groundwater prior to operations beginning at GCSES, as well as mining operations at the Gibbons Creek Lignite Mine, which began in 1982.

4 Monitoring Well Network

The Federal CCR Rule requires, at a minimum, one upgradient and three downgradient monitoring wells per CCR unit to be completed in the uppermost aquifer. Section 40 CFR

§257.90 of the Rule states that the operator: "…may install a multiunit groundwater monitoring system instead of separate groundwater monitoring systems for each CCR unit." In addition, the Rule states that downgradient monitoring wells should be installed to: "accurately represent the quality of groundwater passing the waste boundary of the CCR unit. The downgradient monitoring system must be installed at the waste boundary that ensures detection of groundwater contamination in the uppermost aquifer."

Based on the 2023 ASD, it was recommended that the monitoring network for the SFL be modified into a system that monitored both shallow and deep groundwater. The 2023 Annual Groundwater Monitoring and Corrective Action Report (AGWMCAR) initially split the monitoring network into shallow and deep monitoring systems for the SFL CCR unit. Due to the limited number of monitoring wells, a sufficient number of downgradient monitoring wells was not available at the time of reporting for the 2023 AGWMCAR. Following a discussion between TCEQ, GCERG, and HDR on April 3, 2024, an updated CCR Groundwater Monitoring System certification was prepared and submitted for review and comment by TCEQ. In an e-mail dated May 10, 2024, TCEQ indicated they had concerns about the revised monitoring system for the SFL CCR unit. TCEQ requested additional stratigraphic data from the site to verify aspects of the 2023 ASD as well as installing an additional upgradient monitoring well to assess background groundwater quality. TCEQ also indicated concern about proper spacing and proximity of downgradient monitoring wells relative to SFL. In response to TCEQ's concerns, a workplan dated October 22, 2024, was submitted and detailed additional monitoring well installations at upgradient and downgradient locations relative to the SFL CCR unit, as well as having those monitoring instruments being screened in multiple subsurface intervals for shallow and deep groundwater sample collection. The workplan also detailed additional hydrogeological assessment activities to provide supporting data for the 2023 ASD. In addition to modifying the groundwater monitoring system for the SFL CCR unit, the groundwater monitoring system for the SSP and APs CCR units was also proposed to be updated based on details noted in the October 22, 2024, workplan. The services noted in the October 22, 2024, workplan were initiated in the first quarter of 2025. Details regarding drilling and monitoring well installation are summarized in the Alternative Source Demonstration – Addendum #1 report dated August 4, 2025 [HDR, 2025a].

Based on the findings discussed in the Alternative Source Demonstration – Addendum #1 report, the groundwater monitoring systems for the SFL CCR unit and SSP/APs CCR units are modified due to the addition of other monitoring well locations to each certified network. Details regarding the monitoring system modifications are summarized in the Groundwater Monitoring System Certification dated October 2025 [HDR, 2025b].

With the addition of new monitoring wells to the certified networks, background groundwater monitoring initiated in May 2025. To have a statistically robust dataset, a minimum of eight (8) independent background sampling events need to be completed at the recently incorporated monitoring wells to the certified networks. The eighth background sampling event for these recently incorporated monitoring wells is tentatively scheduled for April 2026. Due to the need to develop the background datasets, statistical analysis of the 2025 semiannual compliance monitoring events will be conducted in accordance with the previous groundwater monitoring system certification dated January 31, 2024 [HDR, 2024]. The monitoring network systems discussed in **Section 4.1** (Site F Landfill) and **Section 4.2** (Scrubber Sludge Ponds / Ash

Ponds) describe the monitoring system that was utilized during the 2025 calendar year. Semiannual compliance monitoring events in 2026 will have statistical analysis conducted utilizing the certified groundwater monitoring system dated October 31, 2025 [HDR, 2025b].

4.1 Site F Landfill

The SFL CCR unit monitoring well network (monitoring locations depicted on **Figure 2A**) consists of both monitoring wells and piezometers installed by Amec Foster Wheeler in 2016 and 2017, and wells installed by Black and Veatch in 1988.

The SFL monitoring network has historically consisted of the following wells:

- Background Well: MNW-18
- Compliance Wells: SFL MW-2, SFL MW-3, SFL MW-4, SFL MW-5, SFL MW-6, SFL MW-7, and MNW-15
- Piezometers: MNW-11, MNW-16, and MNW-17

During the 2023 ASD [HDR, 2023], a review of boring logs at the Site and interpretation of historic monitoring data determined that multiple groundwater units are being monitored at the Site. Compound this with differences in pH and ORP of the shallow groundwater versus deeper monitored groundwater; background and compliance monitoring wells were deemed to not be monitoring the same groundwater unit.

Monitoring well MNW-18 has historically been considered the upgradient / background monitoring well used for the SFL CCR unit. The screen interval for monitoring well MNW-18 is across a confined portion of the aquifer. Compliance and water level only monitoring wells that are in the same aquifer unit as MNW-18 are MNW-11, MNW-16, SFL MW-4, and SFL MW-7. These monitoring wells had pH measurements that averaged greater than or equal to 6.2 and, if ORP data was available, averaged less than or equal to 22.1 millivolts (mV). The monitored groundwater at these wells was less oxidized and pH was less likely to be impacted by weathered pyrite [HDR, 2023].

Monitoring wells SFL MW-2, SFL MW-3, SFL MW-5, SFL MW-6, and MNW-15 monitor the shallower groundwater at the SFL CCR unit. Based on the 2023 ASD, these monitoring wells had pH measurements that averaged less than or equal to 6.2 and ORP averaged greater than or equal to 209.4 mV. The oxidized groundwater at these monitoring wells has lower pH due to the weathering of pyrite at the Site [HDR, 2023].

Based on the differences in chemistry measured at the SFL CCR unit, the monitoring network was refined to accurately monitor downgradient groundwater relative to the CCR unit. For the deeper monitoring network, groundwater generally flows south to southwest, and MNW-18 is still an upgradient monitoring point relative to the CCR unit. For the shallow monitoring network, groundwater generally flows south to southeast and monitoring well SFL MW-6 is generally upgradient to the CCR unit.

The shallow monitoring well network utilized for 2025 groundwater compliance monitoring statistical analysis includes:

- Background Well: SFL MW-6
- SFL Landfill-Shallow Compliance Wells: SFL MW-2, SFL MW-3, SFL MW-5, MNW-15

The deep monitoring well network utilized for 2025 groundwater compliance monitoring statistical analysis includes:

- Background Well: MNW-18
- SFL Landfill-Deep Compliance Wells: SFL MW-4, SFL MW-7
- Piezometers: MNW-11, MNW-16, MNW-17.

4.2 Scrubber Sludge Pond / Ash Ponds

The SSP/APs CCR units monitoring well networks (monitoring locations depicted on **Figure 2B**) consist of both monitoring wells and piezometers. The monitoring well network utilized for 2025 groundwater compliance monitoring statistical analysis includes:

- Background Well: SSP/AP MW-1 (used as background for both APs CCR unit and SSP CCR unit networks)
- Scrubber Sludge Pond Compliance Wells: SSP MW-2, SSP MW-3, SSP MW-4
- Ash Ponds Compliance Wells: AP MW-1D, AP MW-3, AP MW-4, AP MW-5
- Piezometers (Water Level Only): SSP MW-1, AP MW-1, AP MW-6, AP MW-2, AP PZ-1, AP PZ-2, AP PZ-3, AP PZ-4

5 Groundwater Monitoring

TMPA initiated sample collection for background monitoring in June 2016 and completed the eighth round of background sampling, as required by the CCR Rule, in August 2017. In accordance with 40 CFR §257.94(b), one round of detection monitoring was completed in October 2017. A statistical evaluation of the groundwater quality data set for Appendix III constituents resulting from detection monitoring in accordance with 40 CFR § 257.94 was completed in January 2018. The statistical evaluation was completed using the prediction limit method outlined in 40 CFR § 257.93(f)(3) for the monitoring data obtained at the SFL CCR unit and the SSP/APs CCR units. The statistical evaluation concluded initial statistically significant increases (SSIs) over background levels for Appendix III constituents at the SFL CCR unit and the SSP/APs CCR units [Wood, 2019]. Based upon the results of the statistical evaluation, an assessment monitoring program was implemented in March 2018.

The first two initial rounds of the assessment monitoring program were conducted in March 2018 and June 2018. Groundwater samples were collected from monitoring wells at the SFL CCR unit and the SSP/APs CCR units. During the initial assessment monitoring sampling event (March 2018), the groundwater samples were analyzed for all Appendix III and Appendix IV constituents. During the second assessment monitoring sampling event (June 2018), the groundwater samples were analyzed for all Appendix III constituents and those Appendix IV constituents that were detected at each CCR unit during the March 2018 monitoring event.

Assessment monitoring was continued in 2019, at which point multiple statistically significant levels (SSLs) of Appendix IV constituents were determined to be above their respective GWPS [Wood, 2020]. As part of the 2019 AGWMCAR, an ASD was submitted [Wood, 2020]. This ASD describes the natural conditions in and around the Site, as well as the impact of naturally occurring lignite within the area of the Site and its impact on the groundwater system. As documented in the 2019 ASD evaluation, potential SSLs identified for Appendix IV constituents are attributed to an alternate source under the CCR Rule; therefore, no corrective action

measures were required and groundwater monitoring under the assessment monitoring program was continued.

Assessment monitoring continued with both semiannual sampling events within both 2021 and 2022. Multiple Appendix IV constituents were observed as SSLs during 2021 and 2022. These constituents were discussed in an expansion of the 2019 ASD and were deemed to share the same applicability as those 2019 ASD constituents. A new ASD was developed and submitted to TCEQ during September 2023 [HDR, 2023]**.** As detailed in **Section 1**, modification of the certified monitoring network was warranted to account for the variability in groundwater constituents in shallow and deeper groundwater and to address potential deficiencies of the network in accordance with the Federal CCR Rule and 30 TAC regulations. As detailed in **Section 4**, construction and modification of the certified monitoring network for the SFL CCR unit and SSP/APs CCR units was conducted in 2025 in general accordance with HDR's October 22, 2024, workplan.

The 2025 reporting period consisted of two rounds of semiannual groundwater sampling for assessment monitoring on the historical monitoring well networks for the SFL CCR unit and SSP/APs CCR units. In addition, five (5) background monitoring events were conducted at newly installed monitoring wells and at existing monitoring wells and piezometers that will be incorporated into the monitoring networks noted in the certification dated October 2025 [HDR, 2025b]. **Table 1** provides the well identification number, well gradient or use, the dates groundwater samples were collected, and whether the sample was required by the CCR Rule for background sampling, detection monitoring, or assessment monitoring programs.

Table 1. Dates of groundwater samples collected for each well in 2025 and the required monitoring programs for the GCSES facility [40 CFR §257.90(e)(3)] [1]

Monitoring Well I.D.	Well Location	Dates Monitored	CCR Rule Monitoring Purpose
SFL – Shallow Groundwater Monitoring			
SFL MW-1S(R)-Contingency	Up-gradient / Cross-gradient	May 21, 2025; July 21, 2025; August 27, 2025; October 15, 2025; November 19, 2025	Background Sampling
SFL MW-2	Down-gradient	May 20, 2025; November 13, 2025	Assessment Monitoring
SFL MW-3	Down-gradient	May 20, 2025; November 12, 2025	Assessment Monitoring
SFL MW-4S	Down-gradient	May 21, 2025; July 21, 2025; August 28, 2025; October 15, 2025; November 19, 2025	Background Sampling
SFL MW-5	Down-gradient	May 20, 2025; November 12, 2025	Assessment Monitoring
SFL MW-6	Up-gradient	May 20, 2025; November 13, 2025	Assessment Monitoring
SFL MW-7S	Down-gradient	May 21, 2025; July 22, 2025; August 27, 2025; October 15, 2025; November 19, 2025	Background Sampling
SFL MW-8S	Down-gradient	May 21, 2025; July 22, 2025; August 27, 2025; October 15, 2025; November 19, 2025	Background Sampling
MNW-15	Down-gradient	May 20, 2025; November 12, 2025	Assessment Monitoring
MNW-17	Water Level Only	No Compliance Samples Collected	Water Level Monitoring

Table 1. Dates of groundwater samples collected for each well in 2025 and the required monitoring programs for the GCSES facility [40 CFR §257.90(e)(3)] [1]

Monitoring Well I.D.	Well Location	Dates Monitored	CCR Rule Monitoring Purpose
SFL – Deep Groundwater Monitoring			
SFL MW-2D	Down-gradient	June 4, 2025; July 22, 2025; August 28, 2025; October 15, 2025; November 19, 2025	Background Sampling
SFL MW-3D	Down-gradient	June 4, 2025; July 22, 2025; August 27, 2025; October 16, 2025; November 20, 2025	Background Sampling
SFL MW-4	Down-gradient	May 20, 2025; November 12, 2025	Assessment Monitoring
SFL MW-5D	Down-gradient	June 3, 2025; July 21, 2025; August 27, 2025; October 16, 2025; November 20, 2025	Background Sampling
SFL MW-6D[2]	Down-gradient	October 15, 2025; November 19, 2025	Background Sampling
SFL MW-7	Down-gradient	May 20, 2025; November 12, 2025	Assessment Monitoring
SFL MW-8D	Down-gradient	May 21, 2025; July 22, 2025; August 27, 2025; October 15, 2025; November 19, 2025	Background Sampling
MNW-11	Water Level Only	No Compliance Samples Collected	Water Level Monitoring
MNW-15D	Down-gradient	June 5, 2025; July 22, 2025; August 27, 2025; October 15, 2025; November 19, 2025	Background Sampling
MNW-16	Water Level Only	No Compliance Samples Collected	Water Level Monitoring
MNW-18	Up-gradient	May 20, 2025; November 12, 2025	Assessment Monitoring
SSP/APs – Shallow Groundwater Monitoring			
AP MW-1	Down-gradient	May 22, 2025; July 17, 2025; August 26, 2025; October 14, 2025; November 18, 2025	Background Sampling
AP MW-2	Water Level Only	No Compliance Samples Collected	Water Level Monitoring
AP MW-3	Down-gradient / Cross-gradient	May 19, 2025; November 12, 2025	Assessment Monitoring
AP MW-4S	Down-gradient	May 22, 2025; July 18, 2025; August 26, 2025; October 14, 2025; November 18, 2025	Background Sampling
AP MW-5	Down-gradient	May 20, 2025; November 11, 2025	Assessment Monitoring
AP MW-7S	Down-gradient	June 2, 2025; July 18, 2025; August 25, 2025; October 14, 2025; November 18, 2025	Background Sampling
AP PZ-1	Up-gradient	May 22, 2025; July 21, 2025; August 26, 2025; October 14, 2025; November 18, 2025	Background Sampling
AP PZ-4S	Down-gradient / Cross-gradient	June 3, 2025; July 18, 2025; August 25, 2025; October 13, 2025; November 17, 2025	Background Sampling
SSP / AP MW-1	Up-gradient	May 21, 2025; November 12, 2025	Assessment Monitoring
SSP MW-1	Water Level Only	No Compliance Samples Collected	Water Level Monitoring
SSP MW-2	Down-gradient	May 20, 2025; November 12, 2025	Assessment Monitoring
SSP MW-3	Down-gradient	May 21, 2025; November 13, 2025	Assessment Monitoring
SSP MW-4S	Down-gradient	May 21, 2025; July 18, 2025; August 25, 2025; October 13, 2025; November 17, 2025	Background Sampling
SSP MW-5S	Up-gradient	May 22, 2025; July 17, 2025; August 25, 2025; October 13, 2025; November 17, 2025	Background Sampling

Table 1. Dates of groundwater samples collected for each well in 2025 and the required monitoring programs for the GCSES facility [40 CFR §257.90(e)(3)] [1]

Monitoring Well I.D.	Well Location	Dates Monitored	CCR Rule Monitoring Purpose
SSP/APs – Shallow Groundwater Monitoring (Continued)			
SSP MW-6S	Up-gradient	June 2, 2025; July 17, 2025; August 25, 2025; October 13, 2025; November 17, 2025	Background Sampling
SSP/APs – Deep Groundwater Monitoring			
AP MW-1D	Down-gradient	May 20, 2025; July 21, 2025; August 26, 2025; October 14, 2025; November 11 & 18, 2025	Assessment Monitoring
AP MW-3D	Down-gradient / Cross-gradient	June 2, 2025; July 17, 2025; August 28, 2025; October 14, 2025; November 18, 2025	Background Sampling
AP MW-4	Down-gradient	May 20, 2025; November 11, 2025	Assessment Monitoring
AP MW-5D	Down-gradient	June 2, 2025; July 21, 2025; August 25, 2025; October 14, 2025; November 18, 2025	Background Sampling
AP MW-6	Water Level Only	No Compliance Samples Collected	Water Level Monitoring
AP MW-7D	Down-gradient	June 2, 2025; July 18, 2025; August 25, 2025; October 16, 2025; November 20, 2025	Background Sampling
AP PZ-2	Water Level Only	No Compliance Samples Collected	Water Level Monitoring
AP PZ-3	Water Level Only	No Compliance Samples Collected	Water Level Monitoring
AP PZ-4	Down-gradient / Cross-gradient	May 22, 2025; July 21, 2025; August 25, 2025; October 14, 2025; November 18, 2025	Background Sampling
SSP MW-2D	Down-gradient	June 2, 2025; July 17, 2025; August 26, 2025; October 13, 2025; November 17, 2025	Background Sampling
SSP MW-3D	Down-gradient	June 3, 2025; July 18, 2025; August 26, 2025; October 13, 2025; November 17, 2025	Background Sampling
SSP MW-4	Down-gradient	May 21, 2025; November 13, 2025	Assessment Monitoring
SSP MW-5D	Up-gradient	June 3, 2025; July 17, 2025; August 28, 2025; October 13, 2025; November 17, 2025	Background Sampling
SSP MW-6D	Up-gradient	June 3, 2025; July 17, 2025; August 25, 2025; October 13, 2025; November 17, 2025	Background Sampling

Notes:

1. Organization of the monitoring networks in this table is based on the Groundwater Monitoring System Certification dated October 2025.
2. Due to insufficient water volume during some of the background sampling events, a groundwater sample was not collected from the monitoring well during each of the five (5) background sampling events.

5.1 Water Levels and Sample Collection

Water levels were collected at each well indicated in **Section 4** following the Groundwater Monitoring Plan [AFWEI, 2017] for the 2025 semiannual compliance monitoring events. In addition, groundwater level gauging was also conducted during the semiannual compliance monitoring events and additional background sampling events conducted in 2025 at the Site in accordance with the October 22, 2024, workplan at the locations noted in **Table 1**. Groundwater levels were measured before well purging began during each monitoring and sampling event. Wells were purged until field parameters (pH, turbidity, conductivity, dissolved oxygen, temperature, and ORP) stabilized. Purging and sampling was conducted using either a peristaltic pump and dedicated tubing or submersible bladder pump with disposal bladder and disposable tubing, depending on the depth of water. Due to limited water volume in some sampled monitoring wells, a single-use, disposable bailer was used to facilitate groundwater

sample collection. Well purging and field parameter stabilization methods were not used on monitoring wells that required sample collection via a single-use, disposable bailer. The results of field measurements and sampling methods were recorded on field data forms (**Appendix B**), which are maintained as part of the field records. After field parameters stabilized, if conducted at the well, samples were collected and analyzed for the Federal CCR Rule Appendix III and Appendix IV parameters which are summarized in **Table 2**. Two semiannual compliance monitoring events were conducted in 2025 (May/June and November). Five background sampling events were conducted at the newly installed and recently converted monitoring wells for the monitoring network modification in 2025 (May/June, July, August, October, and November).

Table 2. Constituents of Interest

Appendix III Constituents	Appendix IV Constituents	
Boron	Antimony	Lead
Calcium	Arsenic	Lithium
Chloride	Barium	Mercury
Fluoride	Beryllium	Molybdenum
pH[1]	Cadmium	Selenium
Sulfate	Chromium	Thallium
Total Dissolved Solids (TDS)	Cobalt	Radium 226 and 228-Combined
	Fluoride	

Note:
1. pH measured with field instrument during sampling.

For quality control, field duplicate samples, field blank samples, and equipment blank samples were collected during the 2025 sampling events. A summary of the field quality control samples collected during the 2025 sampling events is included in **Table 3**.

Table 3. Field Quality Control Sample Summary

Sampling Event	Sample Type	Sample ID	Duplicate Parent Sample ID
May / June 2025	Equipment Blank	SSP MWK-3	--
	Equipment Blank	SSP MWK-5D	--
	Equipment Blank	MNWK-17	--
	Field Blank	FB-01	--
	Field Blank	FB-02	--
	Field Blank	FB-03	--
	Field Blank	FB-04	--
	Field Blank	FB-05	--
	Field Blank	FB-06	--
	Field Blank	FB-07	--
	Field Duplicate	AP MWT-3	AP MW-3
	Field Duplicate	AP MWT-3D	AP MW-3D
	Field Duplicate	AP MWT-4S	AP MW-4S
	Field Duplicate	SFL MWT-1S (Contingency)	SFL MW-1S(R)-Contingency
	Field Duplicate	SFL MWT-2	SFL MW-2
	Field Duplicate	SFL MWT-5D	SFL MW-5D

Table 3. Field Quality Control Sample Summary

Sampling Event	Sample Type	Sample ID	Duplicate Parent Sample ID
July 2025	Equipment Blank	EB-01	--
	Equipment Blank	EB-2	--
	Field Blank	FB-1	--
	Field Blank	FB-02	--
	Field Blank	FB-03	--
	Field Blank	FB-04	--
	Field Duplicate	AP MWT-1 FD-1	AP MW-1
	Field Duplicate	SSP MWT-4S FD-2	SSP MW-4S
	Field Duplicate	FD3	SFL MW-8D
August 2025	Equipment Blank	EB-1	--
	Equipment Blank	EB2	--
	Field Blank	FB-1	--
	Field Blank	FB-2	--
	Field Blank	FB-3	--
	Field Blank	FB-4	--
	Field Duplicate	FD-1	SSP MW-5S
	Field Duplicate	FD-2	AP PZ-1
	Field Duplicate	FD-3	SFL MW-7S
October 2025	Equipment Blank	EQ1	--
	Field Blank	FB-1	--
	Field Blank	FB-2	--
	Field Blank	FB-3	--
	Field Blank	FB4	--
	Field Duplicate	FD-1	SSP MW-6D
	Field Duplicate	FD-2	AP PZ-1
	Field Duplicate	FD-3	SFL MW-1S(R)-Contingency
November 2025	Equipment Blank	EB1 (11/13/2025)	--
	Equipment Blank	EB1 (11/20/2025)	--
	Equipment Blank	EB2	--
	Field Duplicate	FD1 (11/12/2025)	SFL MW-3
	Field Duplicate	FD1 (11/19/2025)	SFL MW-8S
	Field Duplicate	FD2 (11/12/2025)	AP MW-3
	Field Duplicate	FD2 (11/19/2025)	SFL MW-7S
	Field Duplicate	FD3	SSP MW-4S
	Field Duplicate	FD4	AP PZ-4S

Groundwater samples for each 2025 semiannual compliance monitoring event and background sampling event were submitted under chain of custody procedures to Eurofins Environment Testing Laboratory in Dallas, Texas.

5.2 Analytical Testing

Samples were obtained for semiannual assessment monitoring in May/June 2025 and November 2025, and during background sampling events in May/June 2025, July 2025, August 2025, October 2025, and November 2025. Groundwater samples collected during each

monitoring and sampling event were analyzed for each Appendix III and Appendix IV parameter, as listed in **Table 2**.

5.3 Data Validation and Data Management

Data validation was conducted to eliminate data that did not meet validation criteria and designate a data qualifier for any data quality limitation discovered. All samples and quality control were reviewed and evaluated, and no samples were rejected

Laboratory qualifiers were evaluated to determine whether data was acceptable for further analysis. The following qualifiers were noted for some parameters in the Eurofins' laboratory reports but did not impact the use of data for further analysis.

- H – Sample was prepped or analyzed beyond the specified holding time.
    - The holding time for laboratory analysis for pH is 15 minutes. The pH water quality parameter is measured in the field during purging activities. The pH value measured in the field is used in data and statistical analysis. The laboratory pH value is used as a backup reference for data evaluation.
    - During the May/June 2025 semiannual compliance monitoring event, the holding time for TDS was exceeded for sample SFL MWT-1S (Contingency). The sample is a duplicate sample and was not used in statistical analysis.
- 4 – MS, MSD: The constituent present in the original sample is 4 times the matrix spike concentration; therefore, control limits are not acceptable.
- J – Result is less than the reporting limit (RL) but greater than or equal to the laboratory method detection limit (MDL), and the concentration is an approximate value. Detections with J-flags are not considered as statistically significant results during analysis.
- U – Result is less than the sample detection limit.

Analytical results for field and equipment blanks were reviewed for detections above laboratory RLs. The following are noted detections in the blanks above laboratory RLs during the groundwater sampling events:

- May/June 2025:
    - Chloride – SSP MWK-5D
    - Radium 226+228 – FB-06
    - TDS – SSP MWK-3, SSP MWK-5D, FB-01, FB-02, FB-03, FB-04, FB-05, FB-06, FB-07
- July 2025:
    - Antimony – FB-03
    - Radium 226+228 – EB-01, FB-1, FB-02
    - TDS – EB-01, EB-2, FB-1, FB-02, FB-03, FB-04
- August 2025:
    - Radium 226+228 – FB-1
    - TDS – EB-1, EB2, FB-1, FB-2, FB-3, FB-4

- October 2025:
  - TDS – EQ1, FB-1, FB-2, FB-3, FB4
- November 2025:
  - Chloride – EB1 (11/13/2025)
  - Radium 226+228 – EB1 (11/20/2025)
  - Sulfate – EB1 (11/13/2025)
  - TDS – EB1 (11/13/2025), EB1 (11/20/2025), EB2

For the detections of chloride, sulfate, and TDS, concentrations were generally low or around the laboratory RL and were generally several orders of magnitude less than concentrations for the same constituents measured in groundwater samples. However, the TDS concentrations in samples FB-1 (July 2025) and FB-3 (August 2025) were noticeably high with values of 1,360 milligrams per liter (mg/L) and 873 mg/L, respectively. Review of groundwater analytical TDS results don't show a significant difference in TDS during the July 2025 and August 2025 sampling events when compared to the other background monitoring events.

Radium 226+228 was detected in several blanks. Particularly Radium 228 was detected in each of the blanks noted. Based on the concentrations measured in the blanks, values are comparable to some values measured in groundwater analytical samples. There is the possibility that atmospheric conditions and cross-contamination could be influencing Radium 226+228 concentrations. Groundwater analytical data was reviewed and there were no obvious outliers of Radium 226+228 results in conjunction with these detections in the field and equipment blanks. The influence of these possible atmospheric conditions and cross-contamination issues appear to be minimal if they are influencing groundwater results.

Antimony was detected in the FB-03 (July 2025) field blank above laboratory reporting limits at a concentration of 0.00277 mg/L. Each groundwater antimony concentration during the July 2025 sampling event was below the laboratory's MDL of 0.000750 mg/L. The detection in the blank does not appear to have impacted groundwater concentrations during the July 2025. The concentration appears to be a potential laboratory or sampling error.

According to the *Practical Guide for Ground-Water Sampling*: "Duplicate sample values which differ by less than ±50% relative percent difference indicates good error control" [Barcelona et al., 1985]. The relative percent differences (RPDs) for each constituent detected above the RL for each duplicate pair noted in **Table 3** during the 2025 compliance and background sampling events are summarized in **Table C-1, Appendix C**. Each RPD value for the duplicate pairs for each 2025 semiannual compliance monitoring event and background sampling event were below the recommended 50 percent except for the following constituent/well duplicate pairs:

- August 2025:
  - SSP MW-5S / FD-1 – Lithium
- October 2025:
  - AP PZ-1 / FD-2 – Barium & Calcium
  - SFL MW-1S(R)-Contingency / FD-3 – Radium 226+228
- November 2025:
  - AP PZ-4S / FD4 – Boron, Calcium, & Lithium.

For the August 2025 background sampling event, the RPD for lithium exceeded the 50 percent threshold for the SSP MW-5S/FD-1 duplicate pair. In the laboratory analytical report, lithium was B-qualified for sample SSP MW-5S. This qualifier was not applied to the lithium result in the FD-1 sample. The B-qualifier indicates the constituent was detected in a laboratory method blank above the MDL that was batched with the sample being analyzed. Groundwater samples that were batched with the laboratory method blank with the detection were SSP MW-5S, SSP MW-6S, and AP MW-7D. When comparing the lithium concentrations at these monitoring wells during the August 2025 sampling event to their background analytical database, the groundwater lithium concentrations reported for the parent sample were comparable and bounded by historical values at each monitoring well. Based on this review, lithium concentrations for the August 2025 sampling event were not excluded from statistical analysis.

For the October 2025 background sampling event, the RPDs for barium and calcium exceeded the 50 percent threshold for the AP PZ-1/FD-2 duplicate pair. An explanation for the increased RPDs for barium and calcium could not be readily identified. When comparing analytical results for AP PZ-1 to historical values, the concentrations were comparable to historical values. The concentrations measured in the FD-2 sample were not similar to the historical values measured from monitoring well AP PZ-1. Other monitoring well samples that were batched with sample FD-2 were reviewed and compared to the historical results at their respective monitoring location. Based on the review, the October 2025 analytical results for these samples were comparable to historical values, and the barium and calcium concentrations for the sampling event were not excluded from statistical analysis.

For the November 2025 semiannual compliance monitoring and background sampling event, the RPD for boron, calcium, and lithium exceeded the 50 percent threshold for the AP PZ-4S/FD4 duplicate pair. Boron, calcium, and lithium are each analyzed via the same laboratory method (SW846 6010D). The FD4 duplicate sample concentrations under this method have relatively small concentrations when compared to the parent sample, AP PZ-4S. The FD4 duplicate concentrations are not comparable to historical concentrations measured at monitoring well AP PZ-4S. Samples AP PZ-4S and FD4 were not analyzed in the same batch at the analytical laboratory for method 6010D. Duplicate sample FD4 was batched with groundwater sample SSP MW-3D during laboratory analysis for method 6010D. Concentrations measured in the groundwater sample collected from SSP MW-3D were comparable to historical values measured from that monitoring location. Based on the available information, it cannot be deduced if the RPD exceedances for boron, calcium, and lithium are a result of laboratory analysis or sampler error. Since concentrations in the parent sample, AP PZ-4S, and the sample collected from SSP MW-3D are comparable to historical values, the results will be used in statistical analysis and have not been excluded due to this evaluation.

Due to the particle nature of radioactivity, duplicate samples may have radioanalytical results that vary drastically at low concentrations (i.e. <5 picocuries per liter [pCi/L]). A relative or replicate error ratio (RER) is utilized for evaluating precision of radiochemical constituents by taking into consideration counting uncertainties of the method. EPA's Laboratory Certification Manual specifies results are acceptable if the RER is less than or equal to 2 (Eaton & Shannon, 2015). For the SFL MW-1S(R)-Contingency/FD-3 (October 2025) duplicate pair, the RER is 1.52. The RER calculation inputs are summarized in **Table 4**. Since the RER is below 2, the

radium 226+228 duplicate pair analytical results are statistically similar and acceptable to be used in the decision-making process.

Table 4. QA/QC – Duplicate Sample Analysis - RER

Parameter	SFL MW-1S(R)-Contingency (pCi/L)		FD-3 (pCi/L)		RER (SU)
	Result	Total Counting Uncertainty	Result	Total Counting Uncertainty	
Radium 226+228	2.95	0.637	1.69	0.528	1.52

Notes:
pCi/L – picocuries per liter
U – Laboratory data qualifier indicating parameter was analyzed for but is less than the sample detection limit.
SU – standard units

6 Monitoring Results

6.1 Water Levels and Groundwater Flow Direction

Site groundwater elevations at the monitoring wells are provided in **Table C-2, Appendix C** for the 2025 semiannual compliance monitoring and background sampling events. Potentiometric surface maps (**Appendix A - Figures 3A-3D** and **Figures 4A-4D**) were developed based on water levels measured during the semiannual compliance monitoring events conducted in May/June 2025 and November 2025. The maps display the groundwater elevations at the monitoring wells/piezometers and the groundwater contours for both the SFL (shallow and deep) and the SSP/APs (shallow and deep) CCR units for both May/June 2025 and November 2025 monitoring events.. Groundwater elevation ranges for the SFL CCR (Shallow), SFL CCR (Deep), SSP/APs CCR (Shallow), and SSP/APs CCR (Deep) units are provided below in **Table 5, Table 6, Table 7,** and **Table 8**, respectively. Note that groundwater elevation ranges include compliance monitoring wells and piezometers.

Table 5. Site F Landfill (Shallow) – Groundwater Elevation Ranges

Sampling Event	Minimum Elevation (feet AMSL)	Maximum Elevation (feet AMSL)
May/June 2025	249.49 (SFL MW-7S)	268.48 (SFL MW-6)
November 2025	248.38 (SFL MW-7S)	268.05 (SFL MW-6)

Table 6. Site F Landfill (Deep) – Groundwater Elevation Ranges

Sampling Event	Minimum Elevation (feet AMSL)	Maximum Elevation (feet AMSL)
May/June 2025	248.84 (MNW-11)	262.34 (MNW-18)
November 2025	247.91 (MNW-11)	261.08 (MNW-18)

Table 7. Scrubber Sludge Pond & Ash Ponds (Shallow) – Groundwater Elevation Ranges

Sampling Event	Minimum Elevation (feet AMSL)	Maximum Elevation (feet AMSL)
May/June 2025	254.46 (AP MW-4S)	264.74 (SSP MW-1)
November 2025	253.73 (AP MW-4S)	263.20 (SSP MW-1)

Table 8. Scrubber Sludge Pond & Ash Ponds (Deep) – Groundwater Elevation Ranges

Sampling Event	Minimum Elevation (feet AMSL)	Maximum Elevation (feet AMSL)
May/June 2025	245.41 (AP MW-7D)	263.14 (SSP MW-6D)
November 2025	252.39 (AP PZ-3)	263.08 (SSP MW-6D)

Based on the variations in chemistry measured at the SFL CCR unit monitoring wells that monitor deeper groundwater versus shallower groundwater, the monitoring network was refined to accurately monitor downgradient groundwater quality relative to the SFL CCR unit. For the deeper monitoring network (**Figures 3B** and **3D, Appendix A**), groundwater generally flows southeast, south, and southwest. There appears to be an elevated piezometric surface that runs through the SFL CCR unit which divides groundwater flow to the southeast and southwest. Based on this groundwater flow in the deeper groundwater, MNW-18 is an upgradient monitoring point relative to the SFL CCR unit. For the shallow monitoring network (**Figures 3A** and **3C, Appendix A**), groundwater generally flows south to southeast. There is some localized flow to the east-northeast in the area adjacent to monitoring well SFL MW-6 due to the elevated groundwater elevation at this monitoring well. Based on these groundwater elevations, monitoring wells SFL MW-1S(R)-Contingency and SFL MW-6 are generally upgradient to the SFL CCR unit.

Groundwater in the area of the SSP/APs CCR units continued to display a groundwater divide between the SSP CCR unit and the APs CCR unit for both the May/June 2025 and November 2025 sampling events. Groundwater flow in the shallow (**Figures 4A** and **4C, Appendix A**) and deep (**Figures 4B** and **4D, Appendix A**) monitored units is generally to the northeast, east, and southeast in close proximity to the APs area and southwest in close proximity to the SSP area. Based on the general groundwater flow, monitoring wells AP PZ-1, SSP MW-5S, and SSP MW-6S are upgradient to the CCR units for the shallow groundwater, while monitoring wells SSP MW-5D and SSP MW-6D are upgradient to the CCR units for the deeper groundwater.

Monitoring well SSP/AP MW-1 is considered an upgradient monitoring location relative to both the SSP and APs CCR units. Since the monitoring well is considered to be screened across both the shallow and deeper groundwater units and with the implementation of the revised, certified monitoring network in 2026, SSP/AP MW-1 will be converted from a groundwater sampling location to a water level gauging only location.

6.2 Water Quality

During the May/June and November 2025 semiannual compliance monitoring events, assessment monitoring samples were collected from the existing monitoring network wells for both the SFL CCR unit (shallow and deep) and the SSP/APs CCR units. All samples were analyzed for each Appendix III and Appendix IV constituent. Water quality data tables are included in **Appendix D** and laboratory reports are provided in **Appendix E**. In accordance with 40 CFR §257.95(e), downgradient well concentrations from the semiannual compliance monitoring events were compared against background values, and some concentrations were found to be above their respective background values. In accordance with 40 CFR §257.95(f), detected Appendix IV concentrations in downgradient wells were compared against their respective GWPS. To determine if an exceedance of a GWPS was observed at a SSL, the 95% lower confidence limit (LCL) was calculated for each of the downgradient wells for each of the

Appendix IV constituents. The data set used to calculate the LCL included the most recent eight (8) Appendix IV results from samples collected at each specific well.

As indicated in **Section 4**, the monitoring network was modified and background sampling is being conducted at the newly installed or converted existing site monitoring wells. During this period of transition, there is insufficient background data to conduct statistical analysis utilizing the certified monitoring network noted in the Groundwater Monitoring System Certification dated October 2025 [HDR, 2025b]. Due to the need to develop the background datasets, statistical analysis of the 2025 semiannual compliance monitoring events will be conducted in accordance with the previous groundwater monitoring system certification dated January 31, 2024 [HDR, 2024].

6.2.1 Site F Landfill CCR Unit – Shallow

The following section provides the comparison of May/June 2025 and November 2025 results to background for determination of SSIs and the LCLs compared to GWPS for determination of SSLs for the SFL CCR Unit – Shallow monitoring system. For comparison of the most recent results (May/June 2025 and November 2025) to background, see **Table 9** and **Table 11.** For comparison of LCLs to GWPS, see **Table 10** and **Table 12.**

Table 9. Evaluation for SSIs over Background – May/June 2025 (Site F Landfill - Shallow)

	BTV	Units	SFL MW-2	SFL MW-3	SFL MW-5	MNW-15	SFL MW-6
Appendix III Constituents – Analytical Detections							
Boron	*0.62*	*mg/L*	**0.672**	**5.31**	**6.59**	**10.1**	0.315
Calcium	*1,510*	*mg/L*	890	474	602	266	875
Chloride	*4,070*	*mg/L*	2,620	726	2,480	632	4,550
Fluoride*	*1.16*	*mg/L*	<1.00	<1.00	<1.00	<1.00	<1.00
pH	***3.5-4.46****	*SU*	**6.01**	3.80	4.27	3.59	3.81
Sulfate	*2,890*	*mg/L*	1,700	2,520	2,350	1,560	2,420
TDS	*14,400*	*mg/L*	5,870	4,960	6,740	3,280	11,000
Appendix IV Constituents – Analytical Detections							
Antimony	*0.00108*	*mg/L*	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750
Arsenic	*0.0431*	*mg/L*	0.000999 J	0.00286 J	0.00166 J	0.00761	0.0135
Barium	*0.0826*	*mg/L*	0.0211	0.0115	0.0153	0.0139	0.0395
Beryllium	*0.0933*	*mg/L*	0.00276	0.0293	0.0114	0.0806	0.0656
Cadmium	*0.0144*	*mg/L*	0.00152 J	0.00436	0.00402	**0.0455**	0.00795
Chromium	*0.011*	*mg/L*	<0.000560	<0.000560	0.00691	<0.000560	0.00467
Cobalt	*0.136*	*mg/L*	0.0111	0.0451	0.0444	**0.252**	0.0985
Lead	*0.0171*	*mg/L*	<0.000367	0.0155	0.000602 J	0.000754 J	0.00992
Lithium	*1.34*	*mg/L*	0.571	0.339	0.729	0.145	0.762
Mercury	*0.00158*	*mg/L*	<0.0000706	0.000143 J	0.000233	<0.0000706	0.0000890 J
Molybdenum	*0.00061*	*mg/L*	0.000409 J	<0.000255	0.000309 J	<0.000255	<0.000255
Radium 226+228	*32.6*	*pCi/L*	8.72	5.26	15.7	1.70	18.3
Selenium	*0.0525*	*mg/L*	0.00256	0.0285	0.0220	**0.0737**	0.120
Thallium	*0.00552*	*mg/L*	0.000533 J	0.00482	0.00121 J	0.00187 J	0.00375

NOTES:

SFL MW-6 is the background well for the Site F Landfill CCR Unit - Shallow. The results shown for SFL MW-6 are the results from the May/June 2025 sampling event and are not compared against background.

Bold and underlined concentration indicates an SSI over background. BTV's updated following the June 2023 sampling event.

J qualifier indicates that the detection is an estimated concentration above the laboratory's MDL and below the laboratory's RL. J flag concentrations are not considered statistically significant detections.

* Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CRF Part 257)

** Indicates the lower bound of the range is the lower prediction limit (LPL).

*** Indicates the upper bound is the upper prediction limit (UPL).

As shown in **Table 9**, results of the May/June 2025 sampling event indicated eight (8) SSIs for the SFL CCR Unit - Shallow for boron, pH, cadmium, cobalt, and selenium in various downgradient wells.

Table 10. Evaluation for SSLs over GWPS – May/June 2025 (Site F Landfill - Shallow)

	GWPS[1]	Units	SFL MW-2	SFL MW-3	SFL MW-5	MNW-15	SFL MW-6
Appendix IV Constituents – Lower Confidence Levels							
Antimony	*0.006*	*mg/L*	0.00075	0.000506	0.00075	0.000506	0.00075
Arsenic	*0.0431*[2]	*mg/L*	0.001232	0.00286	0.00151	0.006733	0.01416
Barium	*2*	*mg/L*	0.02058	0.0115	0.01574	0.01522	0.0347
Beryllium	*0.0933*[2]	*mg/L*	0.001428	0.02942	0.009399	0.07877	0.05085
Cadmium	*0.0144*[2]	*mg/L*	0.001142	0.004673	0.004022	**0.03047**	0.00321
Chromium	*0.1*	*mg/L*	0.00056	0.00056	0.001209	0.00056	0.003704
Cobalt	*0.136*[2]	*mg/L*	0.0109	0.04872	0.04536	**0.2891**	0.1096
Fluoride	*4*	*mg/L*	0.196	0.3078	0.08482	0.4517	0.527
Lead	*0.0171*[2]	*mg/L*	0.0002327	0.01496	0.000434	0.000376	0.005508
Lithium	*1.34*[2]	*mg/L*	0.264	0.1509	0.4425	0.03879	0.3816
Mercury	*0.002*	*mg/L*	0.0000706	0.0001665	0.000079	0.0000706	0.000089
Molybdenum	*0.1*	*mg/L*	0.000409	0.000255	0.000309	0.000255	0.000255
Radium 226+228	*32.6*[2]	*pCi/L*	7.147	3.391	11.02	0.525	13.27
Selenium	*0.0525*[2]	*mg/L*	0.000739	0	0.000739	0.000739	0.000739
Thallium	*0.00552*[2]	*mg/L*	0.0005799	0.005071	0.001101	0.0005782	0.003614

NOTES:

SFL MW-6 is the background well for the Site F Landfill CCR Unit - Shallow The results shown for SFL MW-6 are the results from the May/June 2025 sampling event and are not compared against the GWPS.

Bold and underlined concentration indicates an SSL over the GWPS.

[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in §257.95(h)(2); unless otherwise specified.

[2] GWPS is established as the background threshold value (BTV) when the background level is higher than the U.S. EPA MCL or the GWPS specified in §257.95(h)(2).

As shown in **Table 10**, results of the May/June 2025 sampling event indicated two (2) SSLs for the SFL CCR Unit - Shallow for cadmium and cobalt in downgradient monitoring well MNW-15. The SSLs were previously detected SSLs. These SSLs were discussed in the 2019 ASD completed by Wood Environment & Infrastructure Solutions, Inc. (Wood) as part of the 2019 AGWMCAR [Wood, 2020] and within the ASDs completed by HDR [HDR, 2023; HDR, 2025a].

Table 11. Evaluation for SSIs over Background – November 2025 (Site F Landfill - Shallow)

	BTV	Units	SFL MW-2	SFL MW-3	SFL MW-5	MNW-15	SFL MW-6
Appendix III Constituents – Analytical Detections							
Boron	*0.62*	*mg/L*	**0.650**	**5.58**	**5.63**	**10.6**	0.389
Calcium	*1,510*	*mg/L*	735	541	850	288	1,070
Chloride	*4,070*	*mg/L*	2,770	846	2,950	774	9,720
Fluoride*	*1.16*	*mg/L*	<1.00	0.558	<0.100	0.965	≤10.0
pH	***3.5-4.46****	*SU*	**6.43**	3.85	**4.48**	**3.49**	3.43
Sulfate	*2,890*	*mg/L*	1,600	2,550	2,480	1,620	2,610
TDS	*14,400*	*mg/L*	5,430	4,210	8,570	3,180	14,700
Appendix IV Constituents – Analytical Detections							
Antimony	*0.00108*	*mg/L*	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750
Arsenic	*0.0431*	*mg/L*	0.00123 J	0.00326 J	0.00166 J	0.00832	0.0171
Barium	*0.0826*	*mg/L*	0.0187	0.0104	0.0156	0.0131	0.0288
Beryllium	*0.0933*	*mg/L*	0.00144 J	0.0295	0.00908	0.0736	0.0716
Cadmium	*0.0144*	*mg/L*	0.000801 J	0.00448	0.00353	**0.0426**	0.00422
Chromium	*0.011*	*mg/L*	0.000595 J	<0.000560	0.00290 J	<0.000560	0.00331 J
Cobalt	*0.136*	*mg/L*	0.0166	0.0477	0.0408	**0.245**	0.119
Lead	*0.0171*	*mg/L*	0.000583 J	**0.0172**	0.000578 J	0.00105 J	0.0126
Lithium	*1.34*	*mg/L*	0.369	0.304	0.588	0.105	1.04
Mercury	*0.00158*	*mg/L*	<0.0000706	<0.0000706	0.000101 J	<0.0000706	0.000102 J
Molybdenum	*0.00061*	*mg/L*	0.00116 J	<0.000255	0.000293 J	<0.000255	<0.000255
Radium 226+228	*32.6*	*pCi/L*	9.44	5.97	15.9	1.71	21.6
Selenium	*0.0525*	*mg/L*	<0.000590	0.00101 J	<0.000590	0.000740 J	0.0836
Thallium	*0.00552*	*mg/L*	0.000510 J	0.00549	0.00119 J	0.00241	0.00504 J

NOTES:

SFL MW-6 is the background well for the Site F Landfill CCR Unit - Shallow. The results shown for SFL MW-6 are the results from the November 2025 sampling event and are not compared against background.

Bold and underlined concentration indicates an SSI over background. BTV's updated following the June 2023 sampling event.

Values that are in **red** indicate a MDL that is above the BTV.

Values that are in **red** and double underlined indicate MDLs that are above the well-constituent GWPS.

J qualifier indicates that the detection is an estimated concentration above the laboratory's MDL and below the laboratory's RL. J flag concentrations are not considered statistically significant detections.

* Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CRF Part 257)

** Indicates the lower bound of the range is the lower prediction limit (LPL).

*** Indicates the upper bound is the upper prediction limit (UPL).

As shown in **Table 11**, results of the November 2025 sampling event indicated 10 SSIs for the SFL CCR Unit - Shallow for boron, pH, cadmium, cobalt, and lead at various downgradient wells.

Table 12. Evaluation for SSLs over GWPS – November 2025 (Site F Landfill - Shallow)

	GWPS[1]	Units	SFL MW-2	SFL MW-3	SFL MW-5	MNW-15	SFL MW-6
Appendix IV Constituents – Lower Confidence Levels							
Antimony	*0.006*	*mg/L*	0.00075	0.000506	0.00075	0.000506	0.00075
Arsenic	*0.0431*[2]	*mg/L*	0.001179	0.00286	0.00157	0.006793	0.01547
Barium	*2*	*mg/L*	0.01925	0.01088	0.01528	0.01449	0.03131
Beryllium	*0.0933*[2]	*mg/L*	0.0007129	0.02902	0.00909	0.07565	0.05723
Cadmium	*0.0144*[2]	*mg/L*	0.0008319	0.004512	0.00378	**0.03057**	0.002667
Chromium	*0.1*	*mg/L*	0.00056	0.00056	0.001221	0.00056	0.003071
Cobalt	*0.136*[2]	*mg/L*	0.01102	0.04723	0.04299	**0.268**	0.1118
Fluoride	*4*	*mg/L*	0.196	0.3125	0.0841	0.4614	0.527
Lead	*0.0171*[2]	*mg/L*	0.000279	0.01488	0.000434	0.0004198	0.005662
Lithium	*1.34*[2]	*mg/L*	0.1874	0.1522	0.4328	0.03491	0.4302
Mercury	*0.002*	*mg/L*	0.0000706	0	0.00006543	0.0000706	0.000089
Molybdenum	*0.1*	*mg/L*	0.0004004	0.000255	0.000293	0.000255	0.000255
Radium 226+228	*32.6*[2]	*pCi/L*	7.211	3.35	11.04	0.561	13.47
Selenium	*0.0525*[2]	*mg/L*	0.00059	0.00101	0.00059	0.000739	0.000739
Thallium	*0.00552*[2]	*mg/L*	0.0005504	0.005064	0.001099	0.0005807	0.003994

NOTES:

SFL MW-6 is the background well for the Site F Landfill CCR Unit – Shallow. The results shown for SFL MW-6 are the results from the November 2025 sampling event and are not compared against the GWPS.

Bold and underlined concentration indicates an SSL over the GWPS.

[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in §257.95(h)(2); unless otherwise specified.

[2] GWPS is established as the background threshold value (BTV) when the background level is higher than the U.S. EPA MCL or the GWPS specified in §257.95(h)(2).

As shown in **Table 12**, results of the November 2025 sampling event indicated two (2) SSLs for the SFL CCR Unit – Shallow for cadmium and cobalt in downgradient monitoring well MNW-15. The SSLs were previously detected SSLs. These SSLs were discussed in the 2019 ASD completed by Wood as part of the 2019 AGWMCAR [Wood, 2020] and within the ASDs completed by HDR [HDR, 2023; HDR, 2025a].

6.2.2 Site F Landfill CCR Unit – Deep

The following section provides the comparison of May/June 2025 and November 2025 results to background for determination of SSIs and the LCLs compared to GWPS for determination of SSLs for the SFL CCR Unit – Deep monitoring system. For comparison of the most recent results (May/June 2025 and November 2025) to background, see **Table 13** and **Table 15.** For comparison of LCLs to GWPS, see **Table 14** and **Table 16.**

Table 13. Evaluation for SSIs over Background – May/June 2025 (Site F Landfill - Deep)

	BTV	Units	SFL MW-4	SFL MW-7	MNW-18
Appendix III Constituents – Analytical Detections					
Boron	*0.598*	*mg/L*	**0.869**	**0.824**	0.383
Calcium	*538*	*mg/L*	**634**	476	196
Chloride	*650*	*mg/L*	**1,490**	**1,910**	2,950
Fluoride*	*0.25*	*mg/L*	<1.00^	<1.00	<1.00
pH	***6.01-7.67****	*SU*	6.30	6.56	7.21
Sulfate	*2,980*	*mg/L*	2,650	707	10,900
TDS	*4,920*	*mg/L*	**6,640**	4,200	1,850
Appendix IV Constituents – Analytical Detections					
Antimony	*0.002*	*mg/L*	<0.000750	<0.000750	<0.000750
Arsenic	*0.00282*	*mg/L*	<0.000690	<0.000690	0.000911 J
Barium	*0.06*	*mg/L*	0.0192	**0.0609**	0.00837
Beryllium	*0.000274*	*mg/L*	<0.000271	<0.000271	<0.000271
Cadmium	*0.000217*	*mg/L*	<0.000240	<0.000240	<0.000240
Chromium	*0.00617*	*mg/L*	<0.000560	<0.000560	0.000684 J
Cobalt	*0.00226*	*mg/L*	<0.000355	<0.000355	<0.000355
Lead	*0.01*	*mg/L*	<0.000367	<0.000367	0.000439 J
Lithium	*0.543*	*mg/L*	0.494	0.506	0.354
Mercury	*0.00013*	*mg/L*	<0.0000706	<0.0000706	<0.0000706
Molybdenum	*0.00061*	*mg/L*	<0.000255	<0.000255	<0.000255
Radium 226+228	*9.82*	*pCi/L*	2.19	2.70	0.421
Selenium	*0.01*	*mg/L*	<0.000590	<0.000590	<0.000590
Thallium	*0.002*	*mg/L*	<0.000415	<0.000415	<0.000415

NOTES:
MNW-18 is the background well for the Site F Landfill CCR Unit - Deep. The results shown for MNW-18 are the results from the May/June 2025 sampling event and are not compared against background.
Bold and underlined concentration indicates an SSI over background. BTV's updated following the June 2023 sampling event.
Values that are in **red** indicate a MDL that is above the BTV.
J qualifier indicates that the detection is an estimated concentration above the laboratory's MDL and below the laboratory's RL. J flag concentrations are not considered statistically significant detections.
* Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CRF Part 257)
** Indicates the lower bound of the range is the lower prediction limit (LPL).
*** Indicates the upper bound is the upper prediction limit (UPL).
^ Indicates a potential SSI could have been identified had the MDL been lower and based on a review of historical data.

As shown in **Table 13**, results of the May/June 2025 sampling event indicated seven (7) SSIs for the SFL CCR Unit - Deep for barium, boron, calcium, chloride, and TDS in various downgradient wells.

For fluoride, most historically reported concentrations have been below laboratory RLs and MDLs with some reported detections that were either below the BTV or identified as outliers. However, a few past fluoride concentrations measured in samples collected from monitoring well SFL MW-4 were above the current BTV. It is possible the true concentration measured at monitoring well SFL MW-4 during the May/June 2025 compliance monitoring event could have

been above the BTV and been identified as an SSI. Thus, fluoride measured at monitoring well SFL MW-4 is identified as a potential SSI for the May/June 2025 compliance monitoring event.

Table 14. Evaluation for SSLs over GWPS – May/June 2025 (Site F Landfill - Deep)

	GWPS[1]	Units	SFL MW-4	SFL MW-7	MNW-18
Appendix IV Constituents – Lower Confidence Levels					
Antimony	*0.006*	*mg/L*	0.000534	0.000506	0.00075
Arsenic	*0.01*	*mg/L*	0.0005335	0.000282	0.0009242
Barium	*2*	*mg/L*	0.01929	0.03615	0.003355
Beryllium	*0.004*	*mg/L*	0.000271	0.000271	0.000184
Cadmium	*0.005*	*mg/L*	0.000217	0.000217	0.000217
Chromium	*0.1*	*mg/L*	0.00056	0.00056	0.000684
Cobalt	*0.006*	*mg/L*	0.000261	0.000261	0.000261
Fluoride	*4*	*mg/L*	0.0824	0.06476	0.105
Lead	*0.015*	*mg/L*	0.000167	0.000167	0.000167
Lithium	*0.543*[2]	*mg/L*	0.05259	0.3278	0.1702
Mercury	*0.002*	*mg/L*	0.0000706	0.0000706	0.0000706
Molybdenum	*0.1*	*mg/L*	0.0005302	0.000255	0.000255
Radium 226+228	*9.82*[2]	*pCi/L*	0.8611	1.885	0.2575
Selenium	*0.05*	*mg/L*	0.00059	0.00059	0.00059
Thallium	*0.002*	*mg/L*	0.000415	0.000415	0.000415

NOTES:
MNW-18 is the background well for the Site F Landfill CCR Unit - Deep. The results shown for MNW-18 are the results from the May/June 2025 sampling event and are not compared against the GWPS.
Bold and underlined concentration indicates an SSL over the GWPS.
[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in §257.95(h)(2); unless otherwise specified.
[2] GWPS is established as the background threshold value (BTV) when the background level is higher than the U.S. EPA MCL or the GWPS specified in §257.95(h)(2).

As shown in **Table 14**, the May/June 2025 sampling event resulted in no SSLs for the SFL CCR Unit – Deep.

Table 15. Evaluation for SSIs over Background – November 2025 (Site F Landfill - Deep)

	BTV	Units	SFL MW-4	SFL MW-7	MNW-18
Appendix III Constituents – Analytical Detections					
Boron	*0.598*	*mg/L*	**0.906**	**0.766**	0.388
Calcium	*538*	*mg/L*	**850**	**745**	198
Chloride	*650*	*mg/L*	**1,810**	**3,170**	320
Fluoride*	*0.25*	*mg/L*	<0.100	<0.100	0.129 J
pH	***6.01-7.67****	*SU*	6.18	6.28	6.80
Sulfate	*2,980*	*mg/L*	2,870	1,020	1,240
TDS	*4,920*	*mg/L*	**5,870**	**6,710**	2,170
Appendix IV Constituents – Analytical Detections					
Antimony	*0.002*	*mg/L*	<0.000750	<0.000750	<0.000750
Arsenic	*0.00282*	*mg/L*	<0.000690	<0.000690	0.000746 J
Barium	*0.06*	*mg/L*	0.0179	0.0320	0.0149
Beryllium	*0.000274*	*mg/L*	<0.000271	<0.000271	<0.000271
Cadmium	*0.000217*	*mg/L*	<0.000240	<0.000240	<0.000240
Chromium	*0.00617*	*mg/L*	<0.000560	<0.000560	<0.000560
Cobalt	*0.00226*	*mg/L*	<0.000355	<0.000355	0.000603 J
Lead	*0.01*	*mg/L*	<0.000367	<0.000367	<0.000367
Lithium	*0.543*	*mg/L*	0.325	0.344	0.322
Mercury	*0.00013*	*mg/L*	<0.0000706	<0.0000706	<0.0000706
Molybdenum	*0.00061*	*mg/L*	<0.000255	<0.000255	<0.000255
Radium 226+228	*9.82*	*pCi/L*	2.56	3.53	1.50
Selenium	*0.01*	*mg/L*	<0.000590	<0.000590	<0.000590
Thallium	*0.002*	*mg/L*	<0.000415	<0.000415	<0.000415

NOTES:
MNW-18 is the background well for the Site F Landfill CCR Unit - Deep. The results shown for MNW-18 are the results from the November 2025 sampling event and are not compared against background.

Bold and underlined concentration indicates an SSI over background. BTV's updated following the June 2023 sampling event.

J qualifier indicates that the detection is an estimated concentration above the laboratory's MDL and below the laboratory's RL. J flag concentrations are not considered statistically significant detections.

* Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CRF Part 257)

** Indicates the lower bound of the range is the lower prediction limit (LPL).

*** Indicates the upper bound is the upper prediction limit (UPL).

As shown in **Table 15**, results of the November 2025 sampling event indicated eight (8) SSIs for the SFL CCR Unit - Deep for boron, calcium, chloride and TDS in various downgradient wells.

Table 16. Evaluation for SSLs over GWPS – November 2025 (Site F Landfill - Deep)

	GWPS[1]	Units	SFL MW-4	SFL MW-7	MNW-18
Appendix IV Constituents – Lower Confidence Levels					
Antimony	*0.006*	*mg/L*	0.000534	0.000506	0.00075
Arsenic	*0.01*	*mg/L*	0.0005173	0.000282	0.0007522
Barium	*2*	*mg/L*	0.0175	0.0326	0.002755
Beryllium	*0.004*	*mg/L*	0.000271	0.000271	0.000184
Cadmium	*0.005*	*mg/L*	0.000217	0.000217	0.000217
Chromium	*0.1*	*mg/L*	0.00056	0.00056	0.00056
Cobalt	*0.006*	*mg/L*	0.000261	0.000261	0.000261
Fluoride	*4*	*mg/L*	0.0824	0.0599	0.105
Lead	*0.015*	*mg/L*	0.000167	0.000167	0.000167
Lithium	*0.543*[2]	*mg/L*	0.05076	0.3215	0.1704
Mercury	*0.002*	*mg/L*	0.0000706	0.0000706	0.0000706
Molybdenum	*0.1*	*mg/L*	0.0003522	0.000255	0.000255
Radium 226+228	*9.82*[2]	*pCi/L*	0.8775	1.867	0.5179
Selenium	*0.05*	*mg/L*	0.00059	0.00059	0.00059
Thallium	*0.002*	*mg/L*	0.000415	0.000415	0.000415

NOTES:
MNW-18 is the background well for the Site F Landfill CCR Unit - Deep. The results shown for MNW-18 are the results from the November 2025 sampling event and are not compared against the GWPS.
Bold and underlined concentration indicates an SSL over the GWPS.
[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in §257.95(h)(2); unless otherwise specified.
[2] GWPS is established as the background threshold value (BTV) when the background level is higher than the U.S. EPA MCL or the GWPS specified in §257.95(h)(2).

As shown in **Table 16**, the November 2025 sampling event resulted in no SSLs for the SFL CCR Unit – Deep.

6.2.3 Scrubber Sludge Pond CCR Unit & Ash Ponds CCR Unit

The following section provides the comparison of May/June 2025 and November 2025 results to background for determination of SSIs and the LCL compared to GWPS for determination of SSLs for the SSP CCR Unit and APs CCR Unit. For comparison of most recent results (May/June 2025 and November 2025) to background, see **Table 17** and **Table 19.** For comparison of LCLs to GWPS, see **Table 18** and **Table 20.**

Table 17. Evaluation for SSIs over Background – May/June 2025 (Scrubber and Ash Ponds)

	BTV	Units	SSP MW-2	SSP MW-3	SSP MW-4	AP MW-1D	AP MW-3	AP MW-4	AP MW-5	SSP/AP MW-1
Appendix III Constituents – Analytical Detections										
Boron	*1.41*	*mg/L*	0.526	**2.73**	1.27	**4.26**	**4.44**	**2.67**	**3.06**	0.736
Calcium	*745*	*mg/L*	725	705	449	53.7	119	500	555	515
Chloride	*1,750*	*mg/L*	**2,370**	1,500	1,160	80.6	141	461	609	1,530
Fluoride*	*0.5*	*mg/L*	<0.500	0.810 J	<0.500	**0.993**	0.141 J	<0.500	**3.24**	<0.500
pH	***5.25-6.32****	*SU*	**5.01**	**4.36**	6.15	6.03	**5.01**	5.59	**3.41**	5.79
Sulfate	*3,300*	*mg/L*	2,250	2,380	1,140	385	617	2,090	2,930	3,610
TDS	*8,340*	*mg/L*	6,550	4,920	3,300	1,110	1,390	4,000	4,840	6,360
Appendix IV (Constituents – Analytical Detections)										
Antimony	*0.00157*	*mg/L*	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750
Arsenic	*0.01*	*mg/L*	0.00510	0.00713	<0.000690	**0.0112**	0.00137 J	<0.000690	**0.0155**	0.00139 J
Barium	*0.19*	*mg/L*	0.0198	0.0212	0.0164	0.0102	0.0191	0.0182	0.00861	0.0216
Beryllium	*0.002*	*mg/L*	**0.0450**	**0.0985**	<0.000271	<0.000271	**0.00287**	0.000378 J	**0.108**	0.000623 J
Cadmium	*0.000217*	*mg/L*	0.000497 J	**0.0506**	<0.000240	<0.000240	**0.00345**	<0.000240	**0.00883**	<0.000240
Chromium	*0.00248*	*mg/L*	0.00122 J	0.00245 J	0.00372 J	<0.000560	<0.000560	<0.000560	0.000612 J	<0.000560
Cobalt	*0.00174*	*mg/L*	**0.0413**	**0.447**	<0.000355	**0.00703**	**0.0323**	<0.000355	**0.160**	<0.000355
Lead	*0.0106*	*mg/L*	<0.000367	0.00483	<0.000367	<0.000367	<0.000367	<0.000367	0.00163 J	<0.000367
Lithium	*1.69*	*mg/L*	0.787	0.579	0.924	0.0280 J	0.0804	1.01	0.629	1.48
Mercury	*0.00013*	*mg/L*	<0.0000706	**0.000213**	<0.0000706	<0.0000706	**0.00122**	<0.0000706	**0.00113**	<0.0000706
Molybdenum	*0.00199*	*mg/L*	<0.000255	0.000506 J	0.000427 J	**0.0319**	0.000319 J	<0.000255	<0.000255	0.000278 J
Radium 226+228	*3.9*	*pCi/L*	3.11	**40.1**	3.08	1.34	2.96	1.72	1.90	1.25
Selenium	*0.000739*	*mg/L*	**0.0434**	**0.0486**	<0.000590	0.00132 J	0.000998 J	<0.000590	**0.152**	0.000990 J
Thallium	*0.000472*	*mg/L*	<0.000415	**0.00818**	<0.000415	<0.000415	<0.000415	<0.000415	**0.00259**	<0.000415

NOTES:
SSP/AP MW-1 is the background well for the Scrubber Sludge Pond CCR Unit and the Ash Ponds CCR Unit. The results shown for SSP/AP MW-1 are the results from the May/June 2025 sampling event and are not compared against background.

Bold and underlined concentration indicates an SSI over background. BTV's updated following the June 2023 sampling event.

Values that are in **red** indicate a MDL that is above the BTV.

J qualifier indicates that the detection is an estimated concentration above the laboratory's MDL and below the laboratory's RL. J flag concentrations are not considered statistically significant detections.

* Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CRF Part 257)

** Indicates the lower bound of the range is the lower prediction limit (LPL).

*** Indicates the upper bound is the upper prediction limit (UPL).

As shown in **Table 17**, results of the May/June 2025 sampling event indicated 36 SSIs for the SSP & APs CCR Units for boron, chloride, fluoride, pH, arsenic, beryllium, cadmium, cobalt, mercury, molybdenum, radium 226+228, selenium, and thallium in various downgradient wells.

Table 18. Evaluation for SSLs over GWPS – May/June 2025 (Scrubber Sludge and Ash Ponds)

	GWPS[1]	Units	SSP MW-2	SSP MW-3	SSP MW-4	AP MW-1D	AP MW-3	AP MW-4	AP MW-5	SSP/AP MW-1
Appendix IV Constituents – Lower Confidence Levels										
Antimony	*0.006*	*mg/L*	0.000506	0.000506	0.000415	0.000506	0.000506	0.000506	0.000506	0.0004979
Arsenic	*0.01*	*mg/L*	0.004509	0.00631	0.0003028	0.009562	0.00109	0.000282	**0.01317**	0.001222
Barium	*2*	*mg/L*	0.017	0.01997	0.0176	0.01148	0.01915	0.01432	0.00861	0.0216
Beryllium	*0.004*	*mg/L*	**0.04498**	**0.08981**	0.000271	0.000271	0.002672	0.000204	**0.08925**	0.0005407
Cadmium	*0.005*	*mg/L*	0.0006591	**0.0482**	0.000217	0.0002388	0.003318	0.000217	**0.008856**	0.000217
Chromium	*0.1*	*mg/L*	0.00122	0.00158	0.001641	0.00056	0.00056	0.00056	0.000612	0.00056
Cobalt	*0.006*	*mg/L*	**0.04377**	**0.445**	0.000261	0.004765	**0.02775**	0.000261	**0.1713**	0.0002648
Fluoride	*4*	*mg/L*	0.1978	0.348	0.0444	0.6763	0.054	0.0488	2.082	0.04439
Lead	*0.015*	*mg/L*	0.0004093	0.003206	0.000167	0.000167	0.000167	0.000167	0.001586	0.000367
Lithium	*1.69*[2]	*mg/L*	0.4559	0.3869	0.5395	0.0174	0.02918	0.2624	0.3596	1.23
Mercury	*0.002*	*mg/L*	0.0000706	0.00008398	0.0000706	0.0000706	0.0009914	0.0000706	0.0002206	0.0000706
Molybdenum	*0.1*	*mg/L*	0.000255	0.000506	0	0.03096	0.000319	0.000255	0.000255	0.0003793
Radium 226+228	*5*	*pCi/L*	2.79	**28.53**	1.471	0.665	1.574	0.5756	1.354	0.9204
Selenium	*0.05*	*mg/L*	0.000739	0.000739	0.00059	0.0013	0.000739	0.00059	0.000739	0.000739
Thallium	*0.002*	*mg/L*	0.000415	**0.006842**	0.000415	0.00031	0.000267	0.000172	**0.002281**	0.000206

NOTES:
SSP/AP MW-1 is the background well for both the Scrubber Sludge Pond CCR Unit and the Ash Ponds CCR Unit. The results shown for SSP/AP MW-1 are the results from the May/June 2025 sampling event and are not compared against the GWPS.
Bold and underlined concentration indicates an SSL over the GWPS.
[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in §257.95(h)(2); unless otherwise specified.
[2] GWPS is established as the background threshold value (BTV) when the background level is higher than the U.S. EPA MCL or the GWPS specified in §257.95(h)(2).

As shown in **Table 18**, results of the May/June 2025 sampling event indicated 13 SSLs for the SSP & APs CCR Units for arsenic, beryllium, cadmium, cobalt, radium 226+228, and thallium in various downgradient wells. These SSLs were discussed in the 2019 ASD completed by Wood as part of the 2019 AGWMCAR [Wood, 2020] and within the ASDs completed by HDR [HDR, 2023; HDR, 2025a].

Table 19. Evaluation for SSIs over Background – November 2025 (Scrubber and Ash Ponds)

	BTV	Units	SSP MW-2	SSP MW-3	SSP MW-4	AP MW-1D	AP MW-3	AP MW-4	AP MW-5	SSP/AP MW-1
Appendix III Constituents – Analytical Detections										
Boron	*1.41*	*mg/L*	0.559	**3.77**	1.37	**3.85**	**4.58**	**2.65**	**3.26**	0.845
Calcium	*745*	*mg/L*	689	705	445	48.8	129	535	481	670
Chloride	*1,750*	*mg/L*	**2,140**	1,500	1,270	81.2	129	429	598	1,740
Fluoride*	*0.5*	*mg/L*	**0.508**	**0.667**	<0.100	**0.856**	<0.100	<0.100	**3.49**	0.165 J
pH	***5.25-6.32****	*SU*	**4.78**	**4.24**	6.08	5.97	**5.07**	5.58	**3.76**	5.59
Sulfate	*3,300*	*mg/L*	2,650	2,710	1,320	370	677	2,490	**3,340**	3,770
TDS	*8,340*	*mg/L*	5,630	5,480	3,560	812	1,160	3,640	4,570	8,190
Appendix IV (Constituents – Analytical Detections)										
Antimony	*0.00157*	*mg/L*	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750
Arsenic	*0.01*	*mg/L*	0.00572	0.00730	<0.000690	**0.0103**	0.00135 J	<0.000690	**0.0169**	0.00121 J
Barium	*0.19*	*mg/L*	0.0149	0.0156	0.0171	0.0115	0.0192	0.0176	0.00589	0.0201
Beryllium	*0.002*	*mg/L*	**0.0613**	**0.0970**	<0.000271	<0.000271	**0.00254**	0.000334 J	**0.0982**	0.000716 J
Cadmium	*0.000217*	*mg/L*	0.00109 J	**0.0404**	<0.000240	<0.000240	**0.00302**	<0.000240	**0.00773**	<0.000240
Chromium	*0.00248*	*mg/L*	<0.000560	0.00151 J	0.00198 J	<0.000560	<0.000560	<0.000560	<0.000560	<0.000560
Cobalt	*0.00174*	*mg/L*	**0.0628**	**0.428**	<0.000355	**0.00797**	**0.0280**	<0.000355	**0.149**	<0.000355
Lead	*0.0106*	*mg/L*	<0.000367	0.00411	<0.00184	<0.000367	<0.000367	<0.000367	0.00159 J	<0.000367
Lithium	*1.69*	*mg/L*	0.687	0.450	0.920	0.0254 J	0.0660	0.882	0.599	1.65
Mercury	*0.00013*	*mg/L*	<0.0000706	**0.000239**	<0.0000706	<0.0000706	**0.000888**	<0.0000706	**0.000807**	<0.0000706
Molybdenum	*0.00199*	*mg/L*	<0.000255	0.000613 J	0.000813 J	**0.0325**	0.000434 J	<0.000255	<0.000255	0.000269 J
Radium 226+228	*3.9*	*pCi/L*	**4.31**	**35.3**	**4.92**	1.17	2.28	2.28	3.16	2.81
Selenium	*0.000739*	*mg/L*	<0.000590	<0.000590	<0.000590	0.00140 J	<0.000590	<0.000590	<0.000590	<0.000590
Thallium	*0.000472*	*mg/L*	<0.000415	**0.00844**	<0.00208	<0.000415	<0.000415	<0.000415	**0.00270**	<0.000415

NOTES:
SSP/AP MW-1 is the background well for the Scrubber Sludge Pond CCR Unit and the Ash Ponds CCR Unit. The results shown for SSP/AP MW-1 are the results from the November 2025 sampling event and are not compared against background.

Bold and underlined concentration indicates an SSI over background. BTV's updated following the June 2023 sampling event.

Values that are in **red** indicate a MDL that is above the BTV.

J qualifier indicates that the detection is an estimated concentration above the laboratory's MDL and below the laboratory's RL. J flag concentrations are not considered statistically significant detections.

* Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CRF Part 257)

** Indicates the lower bound of the range is the lower prediction limit (LPL).

*** Indicates the upper bound is the upper prediction limit (UPL).

As shown in **Table 19**, results of the November 2025 sampling event indicated 38 SSIs for the SSP & APs CCR Units for boron, chloride, pH, sulfate, TDS, arsenic, beryllium, cadmium, cobalt, fluoride, mercury, molybdenum, radium 226+228, selenium, and thallium in various downgradient wells.

Table 20. Evaluation for SSLs over GWPS – November 2025 (Scrubber Sludge and Ash Ponds)

	GWPS[1]	Units	SSP MW-2	SSP MW-3	SSP MW-4	AP MW-1D	AP MW-3	AP MW-4	AP MW-5	SSP/AP MW-1
Appendix IV Constituents – Lower Confidence Levels										
Antimony	*0.006*	*mg/L*	0.000506	0.000506	0.000415	0.00075	0.000506	0.000506	0.000506	0.000582
Arsenic	*0.01*	*mg/L*	0.004601	0.006272	0.000282	**0.01036**	0.00109	0.000282	**0.01436**	0.001206
Barium	*2*	*mg/L*	0.01673	0.01811	0.01667	0.01019	0.01932	0.01541	0.007766	0.0201
Beryllium	*0.004*	*mg/L*	**0.04571**	**0.08967**	0.000271	0.000271	0.002596	0.000274	**0.09859**	0.000506
Cadmium	*0.005*	*mg/L*	0.0006591	**0.04296**	0.000217	0.000224	0.003088	0.000217	**0.008677**	0.000217
Chromium	*0.1*	*mg/L*	0.00056	0.001639	0.001724	0.00056	0.00056	0.00056	0.00056	0.00056
Cobalt	*0.006*	*mg/L*	**0.04468**	**0.4266**	0.000261	0.005087	**0.02603**	0.000261	**0.165**	0.0002496
Fluoride	*4*	*mg/L*	0.2394	0.3574	0.0444	0.6475	0.04384	0.0488	2.374	0.04562
Lead	*0.015*	*mg/L*	0.0003532	0.003149	0.000167	0.000367	0.000167	0.000167	0.001516	0.000367
Lithium	*1.69*[2]	*mg/L*	0.4481	0.363	0.5487	0.01633	0.02998	0.2624	0.3814	1.267
Mercury	*0.002*	*mg/L*	0.0000706	0.00009816	0.0000706	0.0000706	0.001099	0.0000706	0.0002989	0.0000706
Molybdenum	*0.1*	*mg/L*	0.000255	0.000506	0.0004429	0.03127	0.000319	0.000255	0.000255	0.0002818
Radium 226+228	*5*	*pCi/L*	2.688	**28.6**	1.691	0.7281	1.531	0.5449	1.294	0.9477
Selenium	*0.05*	*mg/L*	0.00059	0.00059	0.00059	0.001186	0.00059	0.00059	0.00059	0.00059
Thallium	*0.002*	*mg/L*	0.000415	**0.006817**	0.000415	0.000415	0.000267	0.000172	**0.002425**	0.000206

NOTES:
SSP/AP MW-1 is the background well for both the Scrubber Sludge Pond CCR Unit and the Ash Ponds CCR Unit. The results shown for SSP/AP MW-1 are the results from the November 2025 sampling event and are not compared against the GWPS.
Bold and underlined concentration indicates an SSL over the GWPS.

[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in §257.95(h)(2); unless otherwise specified.

[2] GWPS is established as the background threshold value (BTV) when the background level is higher than the U.S. EPA MCL or the GWPS specified in §257.95(h)(2).

As shown in **Table 20**, results of the November 2025 sampling event indicated 14 SSLs for the SSP & APs CCR Units for arsenic, beryllium, cadmium, cobalt, radium 226+228, and thallium in various downgradient wells. These SSLs were discussed in the 2019 ASD completed by Wood as part of the 2019 AGWMCAR [Wood, 2020] and within the ASDs completed by HDR [HDR, 2023; HDR, 2025a].

7 Summary

The following observations are based on CCR Rule compliance groundwater monitoring program development during 2025 and planned activities during the 2026 monitoring period:

- Modifications of the groundwater monitoring systems commenced in 2025 with the installation of new monitoring wells adjacent to the Site's CCR units. In addition, background groundwater sampling commenced at the newly installed and converted monitoring wells proposed to be in the refined groundwater monitoring networks for the SFL and SSP/APs CCR units. Details regarding the drilling and well installation activities for 2025 are summarized in the Alternative Source Demonstration – Addendum #1 dated August 4, 2025 [HDR, 2025a].
- Groundwater monitoring was conducted at the SFL and SSP/AP CCR units during the semiannual compliance monitoring events conducted in May/June 2025 and November

2025 as well as during the background sampling events conducted in May/June 2025, July 2025, August 2025, October 2025, and November 2025.

- Water levels were measured at all monitoring wells during the semiannual compliance monitoring and background sampling events conducted in 2025 at the Site. Potentiometric surfaces were contoured for the SFL CCR unit (shallow and deep) and the SSP/APs CCR units (shallow and deep) for the May/June 2025 and November 2025 semiannual compliance monitoring events. Potentiometric surface maps are provided in **Appendix A**.
- All wells in the existing well network as identified in **Section 4** for both the SFL CCR unit (shallow and deep) and SSP/APs CCR units were sampled during the May/June 2025 and November 2025 semiannual compliance monitoring events. Assessment monitoring data was statistically evaluated, and SSLs above the GWPS were observed at multiple monitoring wells as detailed in **Section 6.2**.
- No new SSLs have been observed during the 2025 reporting period for groundwater monitoring at the previous groundwater monitoring system certified on January 31, 2024.
- At the end of 2025, the GCSES CCR units remain in the assessment monitoring program. The next semiannual compliance sampling event at the SFL CCR unit (shallow and deep) and SSP/APs CCR units (shallow and deep) is anticipated to occur in spring 2026.
- Background monitoring for the newly installed monitoring wells and existing wells converted over from water level only gauging to groundwater compliance wells will continue with the sixth, seventh, and eighth background sampling events being completed prior to the spring 2026 semiannual compliance monitoring event.
- Beginning in 2026, groundwater monitoring will be conducted at the revised certified monitoring network as detailed in the Groundwater Monitoring System Certification dated October 2025. Background threshold values will be calculated for the revised groundwater monitoring network following completion of the background sampling for the newly installed monitoring wells and existing wells converted over from water level only gauging points to groundwater compliance wells. The background threshold values report will be drafted prior to statistical analysis of the spring 2026 semiannual compliance monitoring event.

8 References

Amec Foster Wheeler Environment & Infrastructure, Inc. (AFWEI). *Groundwater Monitoring Plan.* Gibbons Creek Steam Electric Station, Grimes County, Texas. October 16, 2017.

Barcelona et al., 1985. *Practical Guide for Ground-Water Sampling*. Robert S. Kerr Environmental Research Laboratory and the United States Environmental Protection Agency's Environmental Monitoring System Laboratory. November 1985.

Eaton & Shannon, 2015. *Radionuclide Rule Compliance: Utility Guidance on Analytical Methods*. American Water Works Association

EPA, 2015. 40 CFR parts 257; *Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities*; Final Rule, Federal Register Vol. 80, No. 74. Environmental Protection Agency. April 17, 2015.

ERM. 2005. *Phase IIn and IIp: Ground Water Monitor Well and Soil Boring Documentation*: *Texas Municipal Power Agency Gibbons Creek Steam Electric Station*. August 11.

HDR, 2022. *Closure Completion CCR Surface Impoundments.* Gibbons Creek Environmental Remediation Group. June 2, 2022.

HDR, 2023. *2023 Alternative Source Demonstration*. Gibbons Creek Steam Electric Station. September 29, 2023.

HDR, 2024. *CCR Groundwater Monitoring System*. Gibbons Creek Steam Electric Station. January 31, 2024.

HDR, 2025a. *Alternative Source Demonstration* – Addendum #1. August 4, 2025.

HDR, 2025b. Groundwater Monitoring System Certification. Gibbons Creek Steam Electric Station, October 31, 2025.

Horbaczewski, J.K. 2007. *Weathering of Pyrite in Minesoils at Gibbons Creek Lignite Mine, Texas*. October.

Horbaczewski, J.K. 2011. *Field Guidebook Minesoil and Acid Seep Workshop*. February 2.

Wood, 2019. *2018 Annual Groundwater Monitoring and Corrective Action Annual Report*. Gibbons Creek Steam Electric Station. January 31, 2019.

Wood, 2020. *2019 Annual Groundwater Monitoring and Corrective Action Annual Report*. Gibbons Creek Steam Electric Station. January 31, 2020.

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Appendix A

Monitoring Networks & Potentiometric Surface Maps

GIBBONS CREEK STEAM ELECTRIC STATION
GC ENVIRONMENTAL REDEVELOPMENT GROUP

FIGURE 1: SITE LOCATION MAP
2025 GROUNDWATER MONITORING & CORRECTIVE ACTION REPORT

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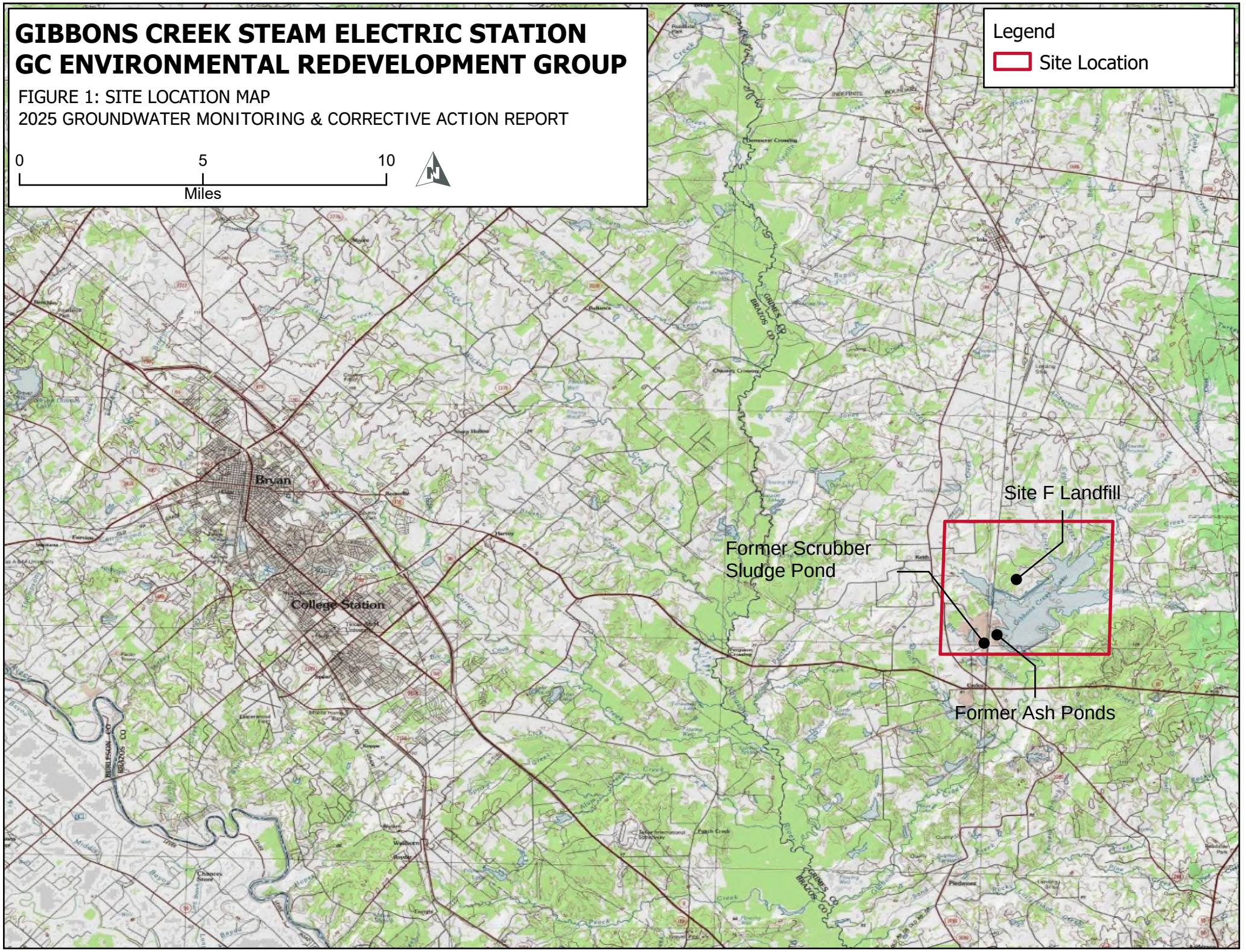
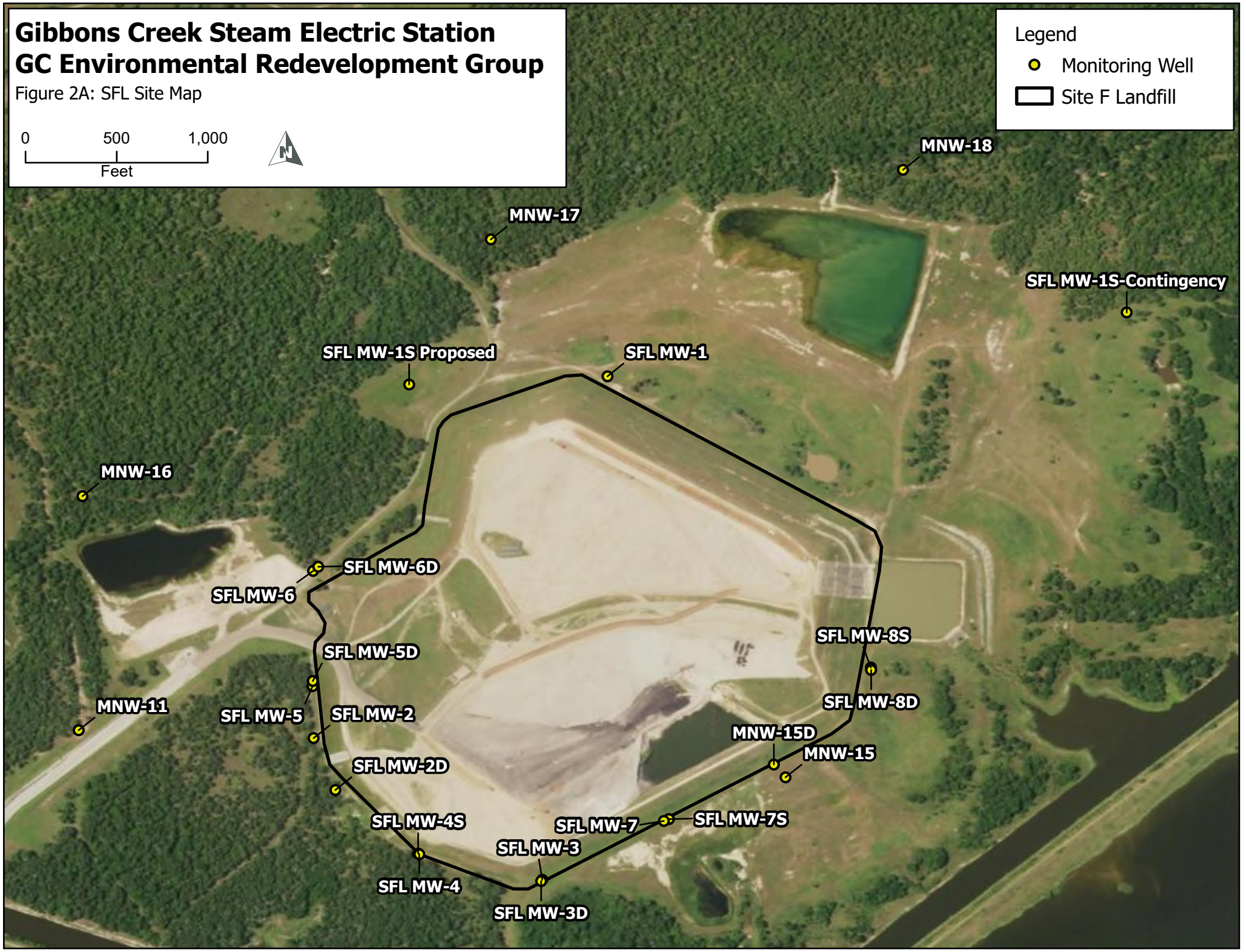
Miles

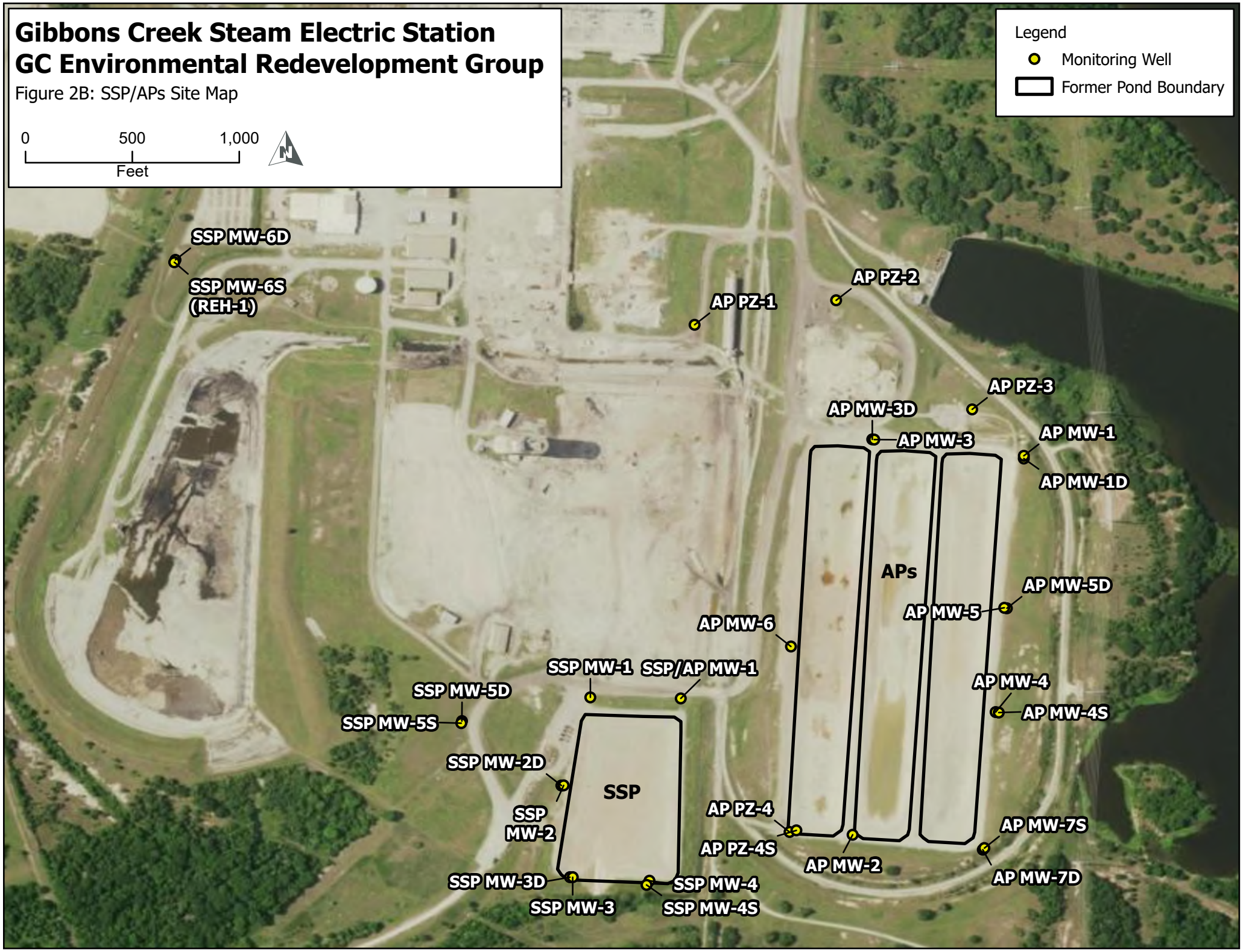



Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group
Figure 2A: SFL Site Map
0
500
1,000
Feet
N
Legend
Monitoring Well
Site F Landfill
MNW-18
MNW-17
SFL MW-1S-Contingency
SFL MW-1S Proposed
SFL MW-1
MNW-16
SFL MW-6D
SFL MW-6
SFL MW-8S
SFL MW-5D
SFL MW-8D
MNW-11
SFL MW-5
SFL MW-2
MNW-15D
MNW-15
SFL MW-2D
SFL MW-4S
SFL MW-7
SFL MW-7S
SFL MW-3
SFL MW-4
SFL MW-3D

Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

Figure 2B: SSP/APs Site Map

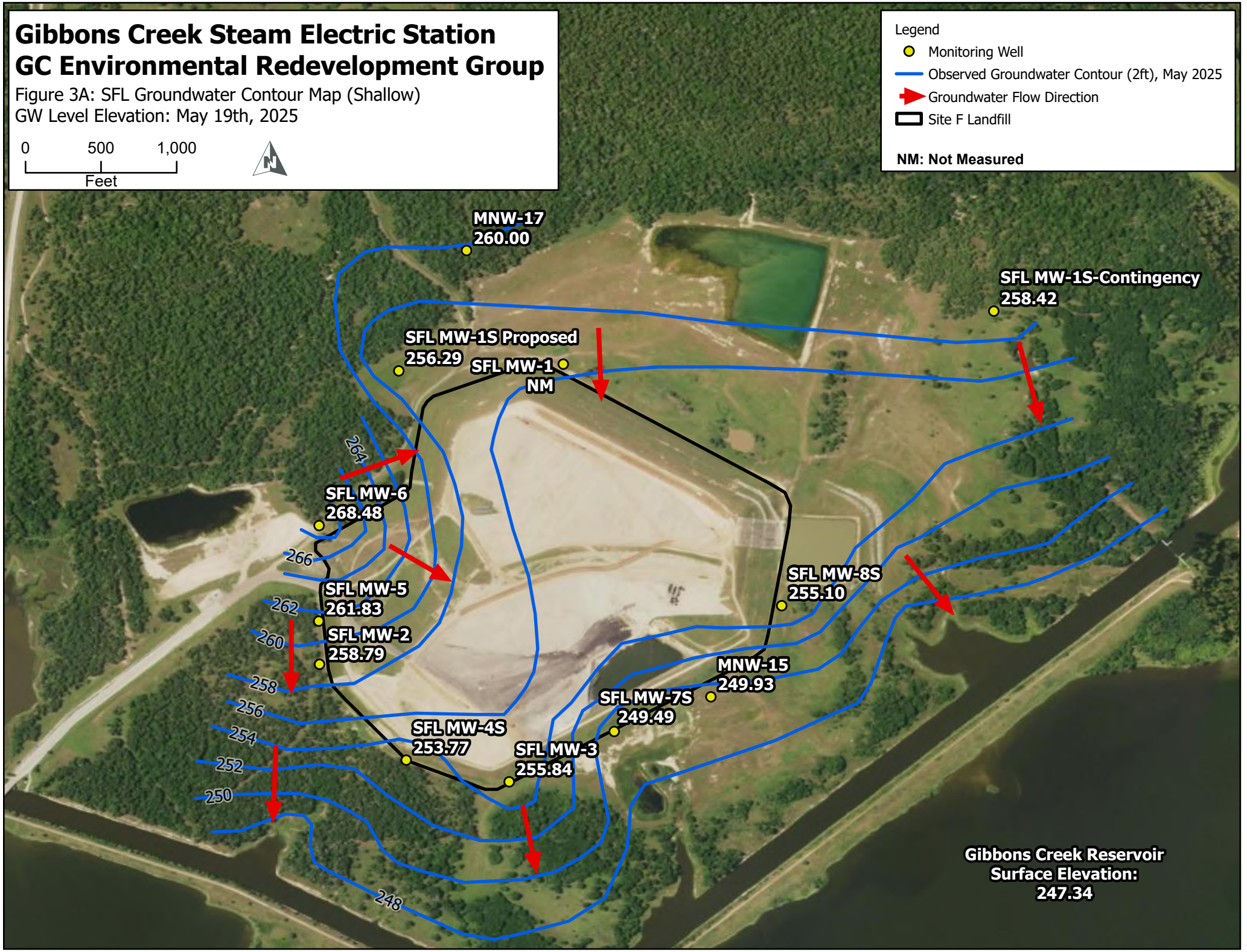
0 500 1,000
Feet



Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

Figure 3A: SFL Groundwater Contour Map (Shallow)
GW Level Elevation: May 19th, 2025

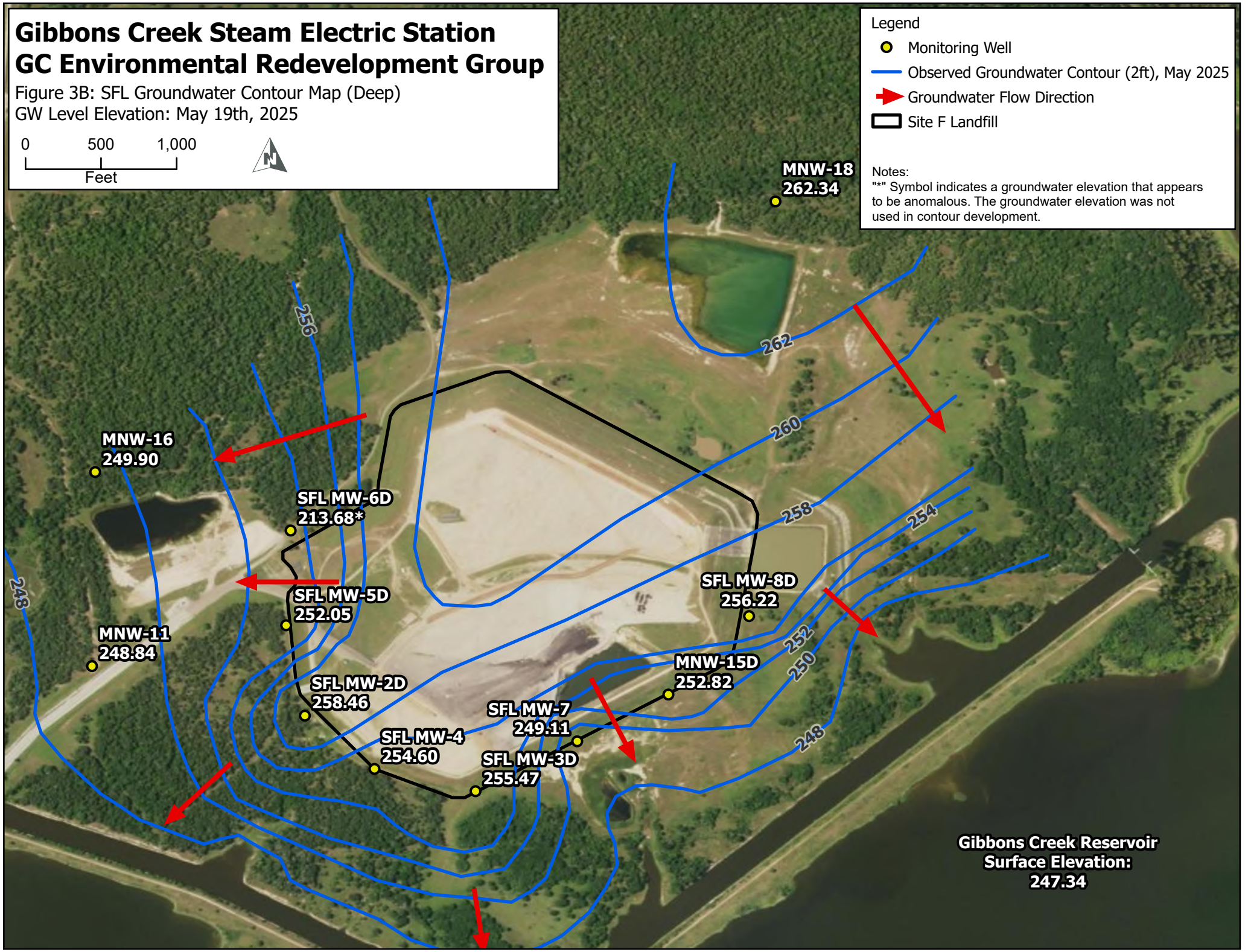
0 500 1,000
Feet



Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

Figure 3B: SFL Groundwater Contour Map (Deep)
GW Level Elevation: May 19th, 2025

0 500 1,000
Feet



Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

Figure 3C: SFL Groundwater Contour Map (Shallow)
GW Level Elevation: November 11th, 2025

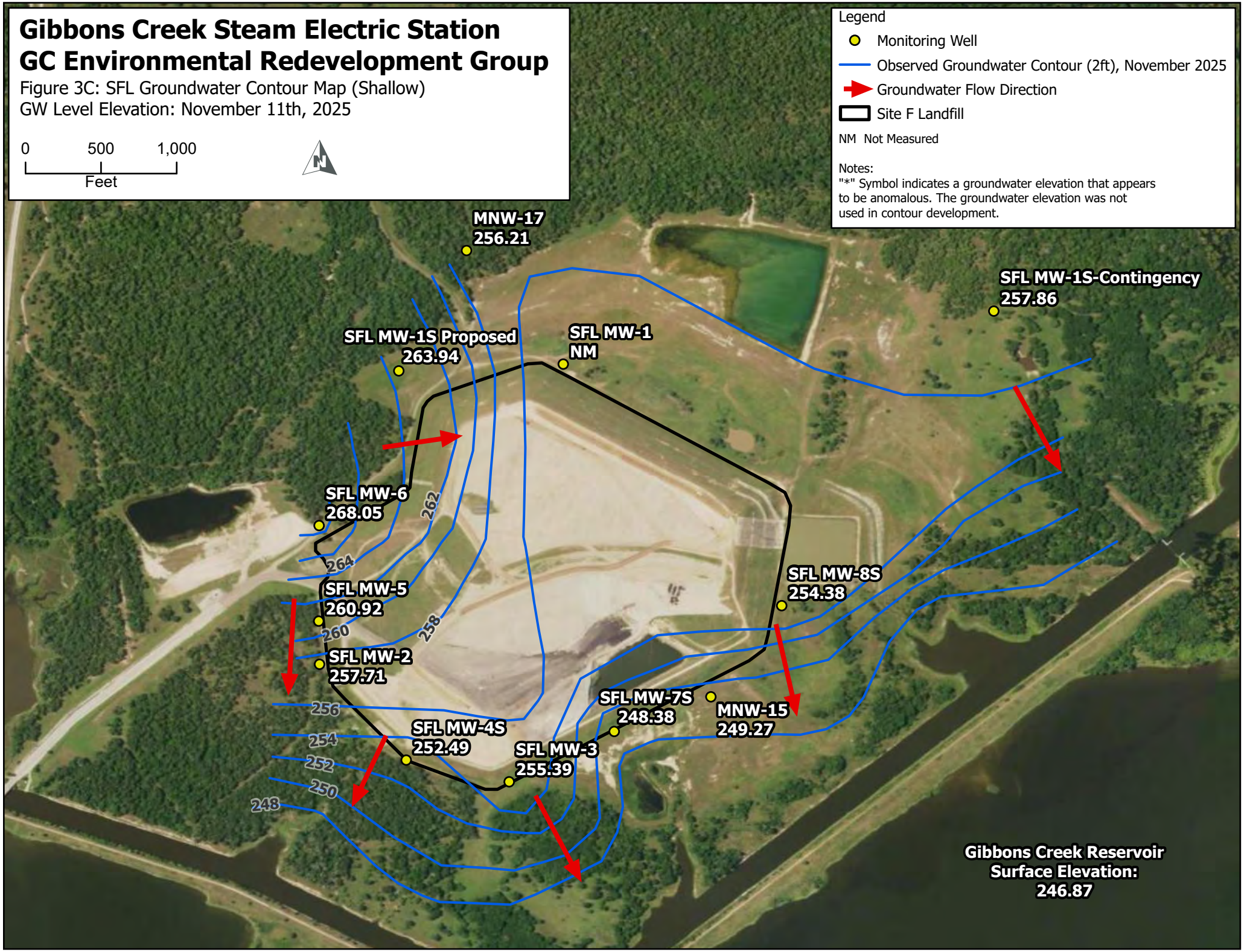
0 500 1,000
Feet

N

Legend
- Monitoring Well
- Observed Groundwater Contour (2ft), November 2025
- Groundwater Flow Direction
- Site F Landfill

NM Not Measured

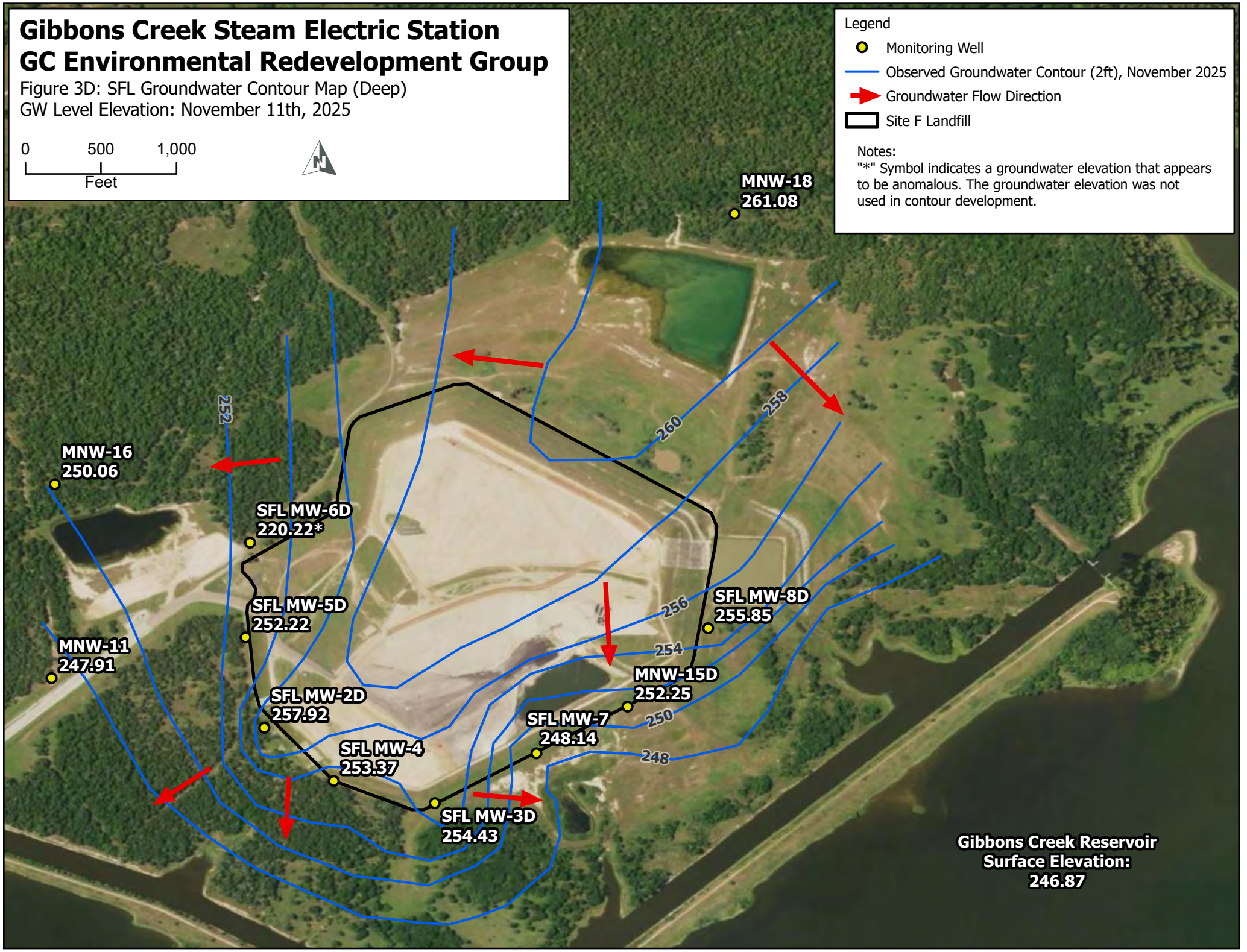
Notes:
"*" Symbol indicates a groundwater elevation that appears to be anomalous. The groundwater elevation was not used in contour development.



Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

Figure 3D: SFL Groundwater Contour Map (Deep)
GW Level Elevation: November 11th, 2025

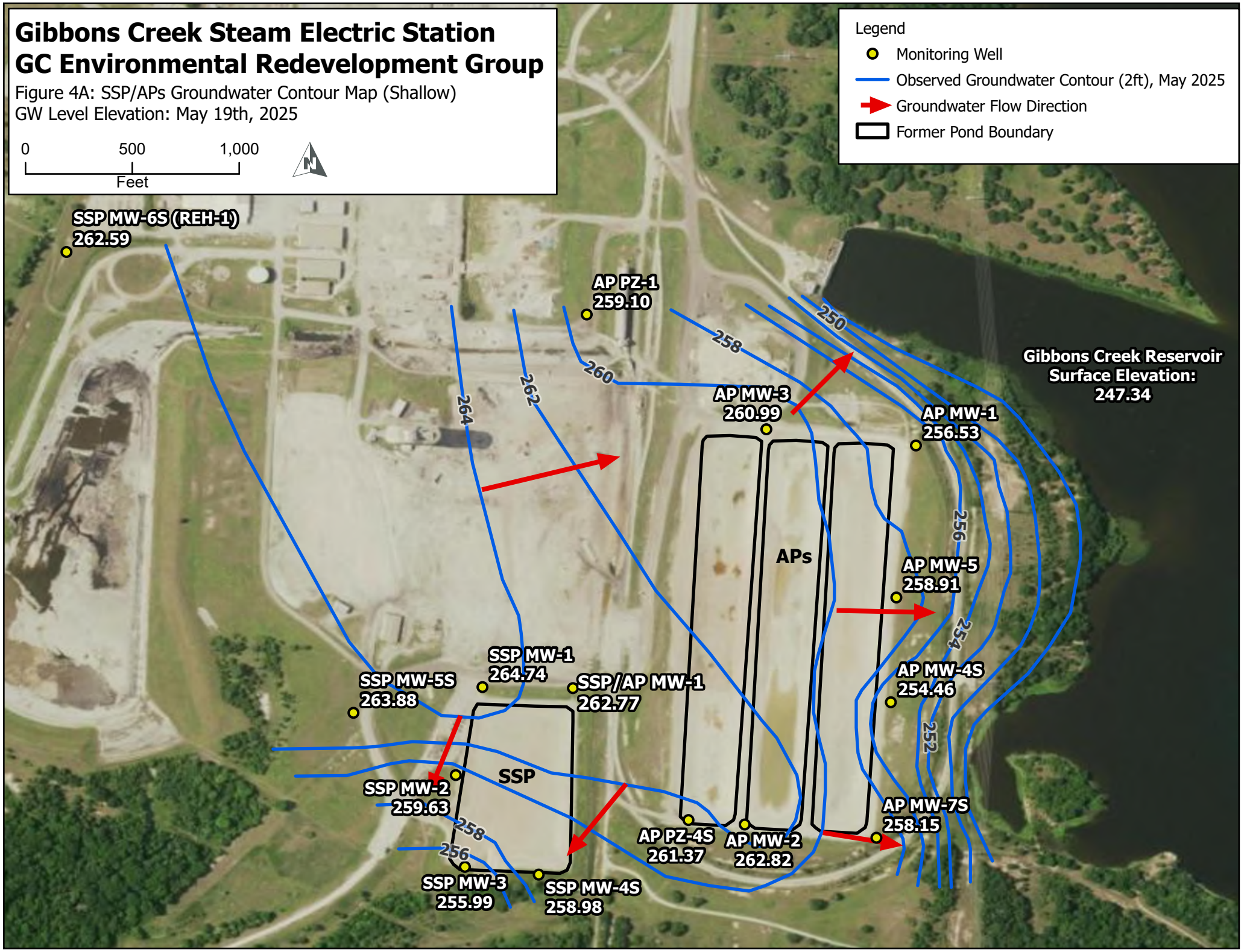
0 500 1,000
Feet

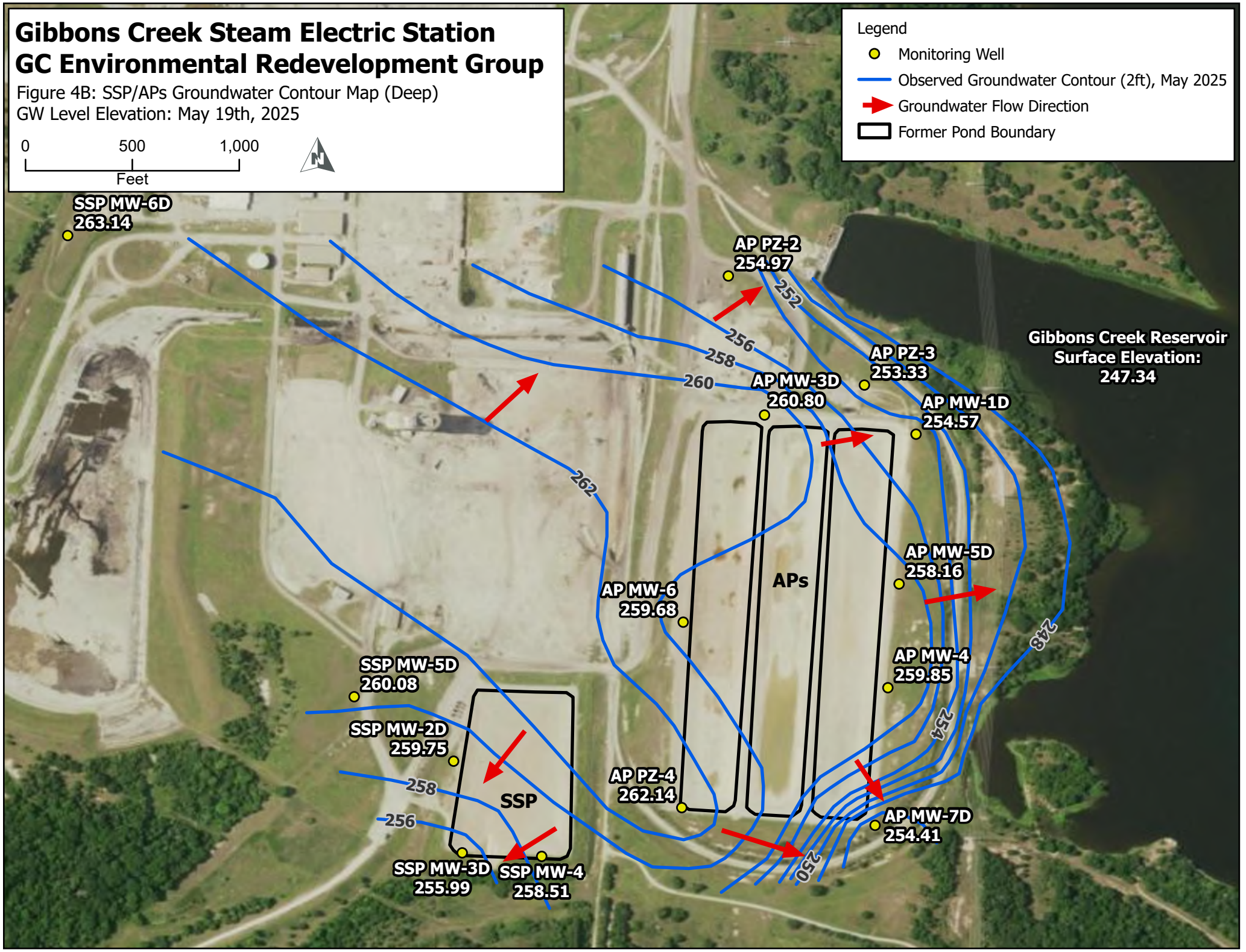


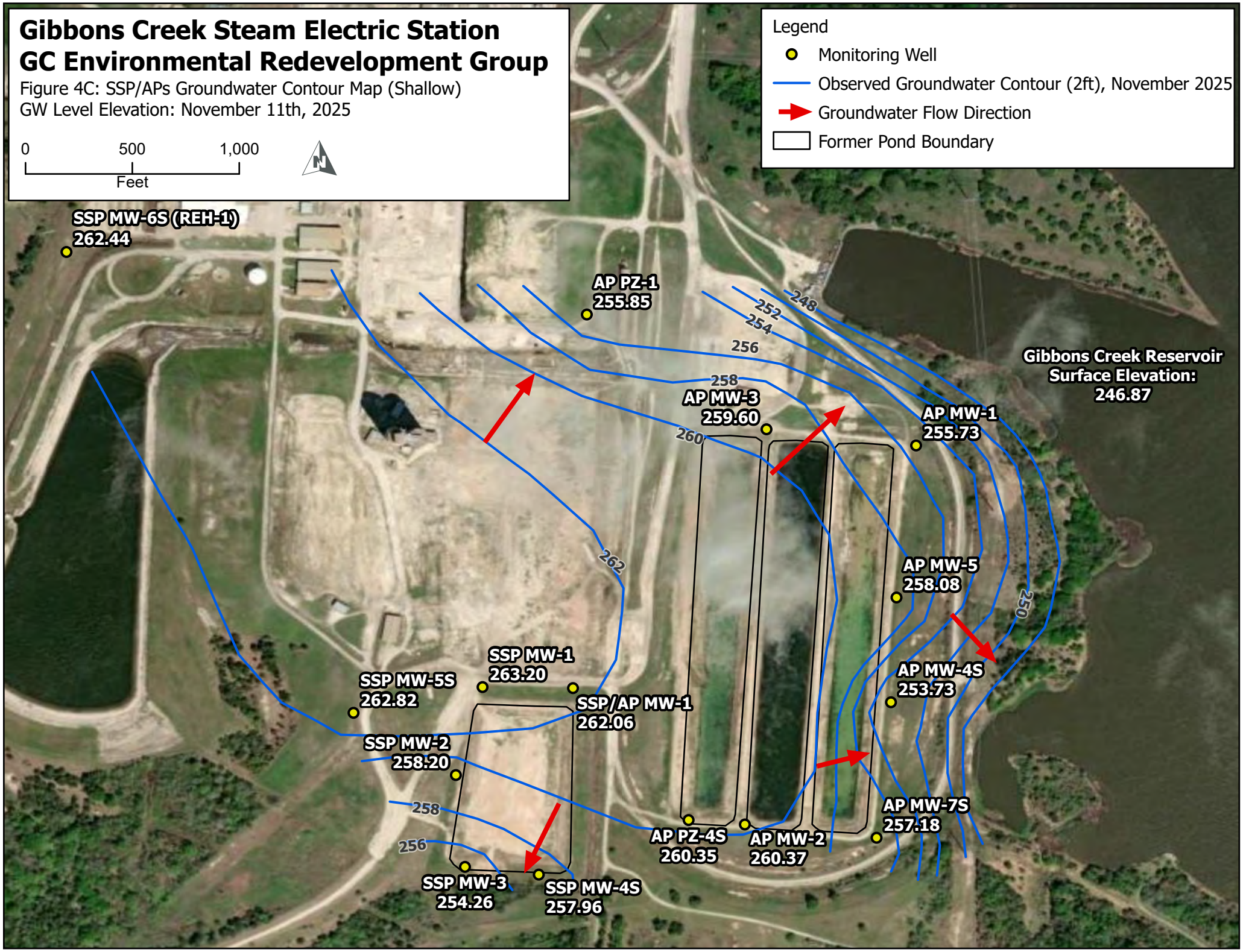
Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

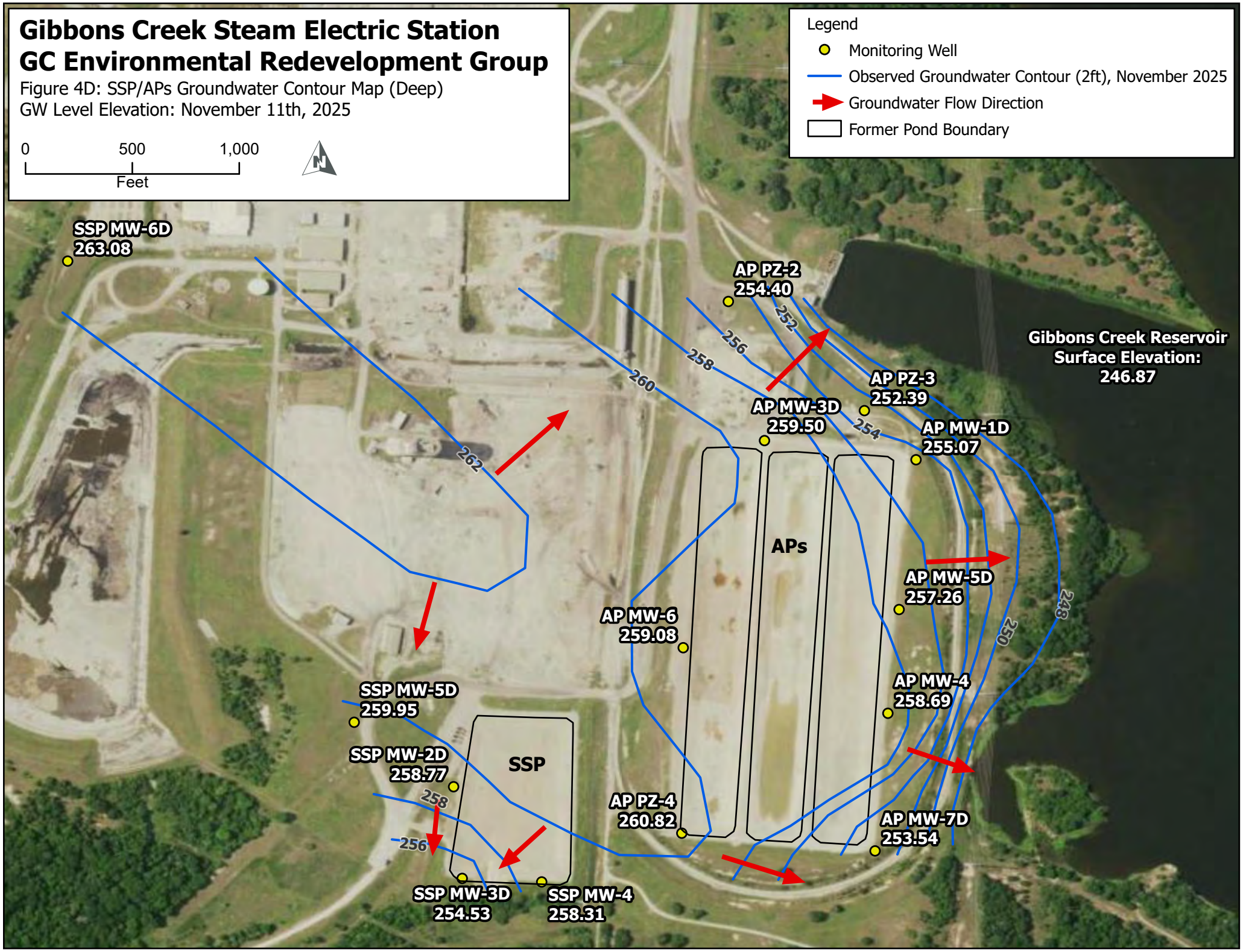
Figure 4A: SSP/APs Groundwater Contour Map (Shallow)
GW Level Elevation: May 19th, 2025

0 500 1,000
Feet




Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group
Figure 4B: SSP/APs Groundwater Contour Map (Deep)
GW Level Elevation: May 19th, 2025
0
500
1,000
Feet
Legend
Monitoring Well
Observed Groundwater Contour (2ft), May 2025
Groundwater Flow Direction
Former Pond Boundary
SSP MW-6D
263.14
AP PZ-2
254.97
252
256
258
260
262
AP PZ-3
253.33
AP MW-3D
260.80
AP MW-1D
254.57
Gibbons Creek Reservoir
Surface Elevation:
247.34
APs
AP MW-5D
258.16
AP MW-6
259.68
AP MW-4
259.85
248
254
SSP MW-5D
260.08
SSP MW-2D
259.75
SSP
AP PZ-4
262.14
AP MW-7D
254.41
250
SSP MW-3D
255.99
SSP MW-4
258.51


Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group
Figure 4C: SSP/APs Groundwater Contour Map (Shallow)
GW Level Elevation: November 11th, 2025
0
500
1,000
Feet
N
Legend
Monitoring Well
Observed Groundwater Contour (2ft), November 2025
Groundwater Flow Direction
Former Pond Boundary
SSP MW-6S (REH-1)
262.44
AP PZ-1
255.85
248
252
254
256
258
260
262
250
Gibbons Creek Reservoir
Surface Elevation:
246.87
AP MW-3
259.60
AP MW-1
255.73
AP MW-5
258.08
SSP MW-1
263.20
SSP MW-5S
262.82
SSP/AP MW-1
262.06
AP MW-4S
253.73
SSP MW-2
258.20
AP MW-7S
257.18
AP PZ-4S
260.35
AP MW-2
260.37
SSP MW-3
254.26
SSP MW-4S
257.96


Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group
Figure 4D: SSP/APs Groundwater Contour Map (Deep)
GW Level Elevation: November 11th, 2025
0
500
1,000
Feet
N
Legend
Monitoring Well
Observed Groundwater Contour (2ft), November 2025
Groundwater Flow Direction
Former Pond Boundary
SSP MW-6D
263.08
AP PZ-2
254.40
AP PZ-3
252.39
AP MW-3D
259.50
AP MW-1D
255.07
Gibbons Creek Reservoir
Surface Elevation:
246.87
262
260
258
256
254
252
APs
AP MW-5D
257.26
AP MW-6
259.08
248
250
AP MW-4
258.69
SSP MW-5D
259.95
SSP MW-2D
258.77
SSP
258
256
AP PZ-4
260.82
AP MW-7D
253.54
SSP MW-3D
254.53
SSP MW-4
258.31

Appendix B

Field Forms

May/June 2025 Event

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**	Sampler Name(s): CSS
MW Identification: AP MW - 1	Date/Time: 5/22/2025, 1515
Sample Number:	PID Readings: **N/A**
Weather Conditions: 92° F sunny, partly cloudy	
Wellhead Inspection: average	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.23	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	23.11	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	25.11	8. Purge Equipment Used	peristaltic pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	10000	10.	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity	clear/low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

±3%	±10 mV	±10% <0.5	±10% <10	±0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
~~1420~~ 1440	Start pump							15.23	
~~1425~~ 1445	1000	23.1	2567	-35.8	0.31	12.0	5.48	15.55	
1450	3000	23.2	2530	-5.8	0.19	7.42	5.48	15.57	
1455	4000	23.2	2512	-4.4	0.19	7.59	5.48	15.59	
1500	5000	23.1	2505	-2.7	0.18	7.34	5.48	15.60	
1505	6000	23.1	2503	2.1	0.21	7.18	5.48	15.61	
1510	7000	23.1	2484	3.5	0.12	6.71	5.48	15.61	
1515	sample								
1545	pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1515
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear/low		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): MHB
MW Identification: AP MW-1D		Date/Time: 5/20/2025, 1135
Sample Number:		PID Readings: **N/A**
Weather Conditions: 84°F partly cloudy		
Wellhead Inspection: average		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	16.21	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	41.00	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	43.02	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	9000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity: clear/low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU) MHB	pH	WL ~~Drawdown~~	Notes
1100	START PUMP							16.21	
1105	1500	23.9	1192	-18.8	0.62	5.66	5.83	16.64	
1110	3000	23.8	1203	-20.0	0.30	4.08	5.82	16.69	
1115	4500	23.7	1216	-22.1	0.22	4.23	5.81	16.70	
1120	6000	23.8	1214	-22.9	0.20	3.68	5.81	16.70	
1125	7500	23.8	1214	-23.2	0.18	3.53	5.81	16.72	
1130	9000	23.7	1215	-23.4	0.20	3.60	5.81	16.72	
1135	SAMPLE								
1145	STOP PUMP								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1135
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	300		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear/low		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	**See attached calibration documentation**		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s):	E. Foley
MW Identification:	APMW-3	Date/Time:	5/19/25 1820
Sample Number:		PID Readings:	N/A
Weather Conditions:	Cloudy / Sunny, humid, windy		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	? ~13.5	7. Purge Rate (mL/min)	~250
2. Intake Depth (±0.01 ft.)	~42.5	7. Water Level Measuring Equip.	WL meter
3. Bottom of casing (±0.01 ft.)	43.44	8. Purge Equipment Used	PERIS.
4. Casing Diameter (inches)	2 in	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~23 L	10.	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: NA	Turbidity: 0.02	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~W.L. Drawdown~~	Notes
			±3%	±3%	±10	±10NTU			
1705	start	PUMP	-	-	-	-	-	13.67	-
1710	1500	23.4	1676	250.4	0.49	11.0	4.97	14.15	
1715	3000	23.5	1672	346.7	0.46	5.98	4.98	14.13	
1720	4500	23.5	1673	340.2	0.48	3.63	4.95	14.14	
1725	6000	23.5	1667	301.1	0.42	4.00	4.96	14.14	
1730	7500	23.5	1666	288.9	0.37	3.16	4.97	14.17	
1735	9000	23.5	1662	275.1	0.34	3.10	4.97	14.18	
1740	10500	23.6	1660	246.8	0.34	2.22	4.99	14.18	
1745	12000	23.6	1663	237.1	0.33	0.02	4.99	14.20	
1750	13500	23.5	1666	230.4	0.32	0.89	4.99	14.20	
1755	15000	23.5	1661	240.9	0.30	0.88	4.99	14.22	
1800	16500	23.4	1657	213.1	0.20	1.20	5.00	14.22	
1805	18000	23.5	1652	216.6	0.20	0.54	5.00	14.23	
1810	19500	23.5	1651	193.6	0.14	2.80	5.00	14.23	
1815	21,000	23.4	1655	189.4	0.14	2.42	5.00	14.23	
	22500	23.6	1648	188.6	0.4	0.02	5.01	14.23	
1820	Sample								

1835 dup, 1850 pump off

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1820
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	~250		
6. Sample Appearance:			
Turbidity	0.02	9. Other Information:	took dup:
Color	clear		AP MW-3 : 1835
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): CM/MF/EK	
MW Identification: AP MW-30		Date/Time: 6/2/25 1245	
Sample Number:		PID Readings: N/A	
Weather Conditions: 33° sunny, light breeze			
Wellhead Inspection: new			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	12.87	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	~54.00	7. Water Level Measuring Equip.	WL meter
3. Bottom of casing (±0.01 ft.)	56.94	8. Purge Equipment Used	LF Bladder
4. Casing Diameter (inches)	2.0	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~11.0	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor N/A Turbidity	clear - lightly opaque	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN
Color clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~WL Drawdown~~	Notes
1040	start	pump						11.53	
1042	no water yet							12.42	
1045	purge start	-	-	-	-	-	-	12.48	
1050	~1.0	26.3	2011	133.6	2.83	-	5.68	13.46	turbmeter broke - won't turn on
1055	1.0	28.3	1998	112.6	1.07	3.64	5.57	13.62	
1110	~2.0	29.1	1984	102.8	0.64	10.4	5.56	13.71	
1115	2.0	29.2	1986	92.0	0.64	14.9	5.56	13.79	
1120	2.5	26.8	2067	68.7	0.51	28.1	5.56	14.08	
1125	3.0	26.1	2079	59.1	0.57	31.3	5.56	14.24	
1130		26.2	2075	56.7	0.60	37.3	5.56	14.35	
1100	~1.5	28.9	1992	113.0	0.80	3.78	5.55	13.65	
1105	1.5	29.0	1990	112.3	0.73	6.60	5.55	13.70	
1135	4.0	26.6	2083	51.1	0.54	37.9	5.57	14.46	
1140	4.5	26.6	2109	46.0	0.54	38.8	5.57	14.57	
1145	5.0	26.8	2141	38.2	0.45	38.4	5.56	14.63	
1150	5.5	25.7	2161	31.7	0.43	40.7	5.55	14.91	
1155	6.0	26.1	2135	29.3	0.46	39.7	5.53	14.87	
1200	6.05	27	2124	30.1	0.43	37.6	5.53	14.65	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	NA
2. Sample Filtered?	(Yes) / No dis.	8. Sample Time:	1245
3. Sampling Equip. Used	LF bladder	9: Parameter/Container/Pres.	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A	App. III and App. IV CCR Parameters	
5. Sample Rate (mL/min)	~100	Na, Mg, K, Fe, Al, Alkalinity	
6. Sample Appearance:			
Turbidity	slightly opaque	9. Other Information:	
Color	clear	dup taken (FOH) @ 1345	
Odor	NA	field filtered dis. metals	

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES — Sampler Name(s): Ellis Kingsley

MW Identification: AP MW-3D — Date/Time: 6/2/25 1245

Sample Number: — PID Readings: N/A

Weather Conditions: 33°, sunny, light breeze

Wellhead Inspection: good

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1205	7.0	27.4	2152	28.8	0.41	36.9	5.53	14.55	
1210	7.5	27.9	2217	22.1	0.40	33.3	5.53	14.46	
1215	8.0	27.5	2330	18.5	0.41	26.2	5.53	14.40	
1220	8.5	28.7	2326	17.7	0.40	26.5	5.53	14.36	
1225	9.0	27.8	2301	19.2	0.40	25.6	5.52	14.32	
1230	9.5	27.8	2283	21.6	0.42	24.2	5.50	14.27	
1235	10.0	28.0	2278	22.5	0.41	25.5	5.50	14.25	
1240	~10.5	27.7	2283	23.9	0.43	28.6	5.49	14.23	
1245	sample	-	-	-	-	-	-	-	
~~1250~~									
~~1255~~									
1345	FD4	taken	-	-	-	-	-	-	
1445	pump	off	-	-	-	-	-	-	

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **GCSES** | Sampler Name(s): CSS
MW Identification: AP MW - 4 | Date/Time: 5/20/2025, 0910
Sample Number: | PID Readings: **N/A**
Weather Conditions: 78°F partly cloudy
Wellhead Inspection: average

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 14.35
2. Intake Depth (±0.01 ft.) 50.80
3. Bottom of casing (±0.01 ft.) 52.84
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 6000
6. Purge Water Characteristics:
   Odor: none | Turbidity: clear/low
   Color: clear
7. Purge Rate (mL/min) 200
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used peristaltic pump
9. Dedicated? (Yes/No) Yes / (No)
10. Yes / (No)
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10mV	D.O. (mg/L) ±10% <0.5mg/L	Turbidity (NTU) ±10% or ≤10NTU	pH ±0.1	~~Drawdown~~ W.L.	Notes
0835	START PUMP							14.35	
0840	1000	23.3	4860	10.0	1.32	4.21	5.61	14.98	
0845	2000	23.2	4838	-19.0	0.31	4.00	5.61	15.00	
0850	3000	23.5	4852	-28.6	0.15	4.02	5.6	15.02	
0855	4000	23.6	4838	-32.5	0.12	3.53	5.59	14.92	
0900	4500	24.6	4848	-35	0.14	3.87	5.58	15.09	
0905	5500	23.2	4857	-39.4	0.08	1.48	5.59	15.19	
0910	Sample								
0930	Pump off								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used peristaltic
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)
5. Sample Rate (mL/min) 200
6. Sample Appearance: good
   Turbidity: clear/low
   Color: clear
   Odor: none

7. Time to recharge (min): N/A
8. Sample Time: 0910
9: Parameter/Container/Pres.
App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity

9. Other Information:

10. Decontamination Procedures:
Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: GCSES		Sampler Name(s):
MW Identification: AP MW-4S		Date/Time: 5/22/25 1420
Sample Number:		PID Readings: N/A
Weather Conditions: Sunny, Hot		
Wellhead Inspection: New		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	19.46	7. Purge Rate (mL/min)	~200
2. Intake Depth (±0.01 ft.)	~36.5	7. Water Level Measuring Equip.	WL meter
3. Bottom of casing (±0.01 ft.)	38.8	8. Purge Equipment Used	Peristalt.
4. Casing Diameter (inches)	17.5	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	2.0	10.	Yes / No
6. Purge Water Characteristics:		11. Thickness of Immiscible layer	N/A
Odor N/A Turbidity	~25.0	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color orangish brown			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1258	pump	on						19.63	
1300	purge		—	—	—	42.6	—	19.85	
1305	2.0	23.6	2072	-25.9	0.18	74.2	5.92	19.91	
1310	3.0	23.6	1866 644.4	~~59.6~~	0.15	106	5.37	19.92	
1325	5.	23.8	1819	107.7	0.12	115	5.11	19.90	
1320	5.5	23.9	1801	122.5	0.12	81.2	5.02	19.89	
1325	7.0	24.0	1794	130.8	0.10	57.6	5.01	19.85	
1330	~8.5	23.8	1773	140.7	0.11	39.8	4.94	19.87	
1335	~9.2	24.2	1763	148.7	0.10	27.7	4.13	19.86	
1340	11.0	23.9	1758	151.1	0.09	24.1	4.90	19.84	
1345	12.6	24.2	1757	155.0	0.09	26.5	4.92	19.84	Flushed out YSI to see if that helps bring down turb
1350	~13.0	24.3	1769	166.4	0.10	25.3	4.86	19.82	
1355	13.0	24.4	1762	166.3	0.08	24.8	4.86	19.82	
1400	14.0	24.3	1757	168.1	0.08	18.9	4.85	19.80	
1405	~15.5	24.4	1751	165.5	008	20.8	4.88	19.80	
1410	16.25	24.2	1750	171.6	0.08	26.5	4.87	19.83	
1415	17.0	24.2	1740	173.9	0.08	28.3	4.82	19.85	
1420	~~Stuff~~		Sample begin						

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1420
3. Sampling Equip. Used	Perist.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	Clear - orange		
Turbidity	above 10 NTU	9. Other Information:	took dup:
Color	orangeish		AP MW-4S - 1440
Odor	N/A		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	**See attached calibration documentation**		
Conduct.			
ORP			
D.O			
Turbidity			

1500 pump off

1440 dup

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): CSS
MW Identification: AP MW-5		Date/Time: 5/20/2025, 1055
Sample Number:		PID Readings: **N/A**
Weather Conditions: 82°F partly cloudy		
Wellhead Inspection: average		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.22	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	41.1	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	43.15	8. Purge Equipment Used	peristaltic pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	10000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity: clear/low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

± 3% ± 3% ± 10mV ± 10% or ±0.5 mg/L ~~±0.05~~ ± 10% or ±10 NTU ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1020	Start Pump							15.22	
1025	1000	23.3	6354	341.1	0.21	3.81	3.48	15.61	
1030	3000	23.2	6237	224.1	0.90	4.24	3.44	15.69	
1035	4500	23.2	6120	350.7	0.16	2.67	3.43	15.72	
1040	6000	23.2	6083	351.5	0.11	3.35	3.42	15.74	
1045	7000	23.2	6060	355.2	0.09	3.07	3.41	15.75	
1050	8500	23.3	6055	355.4	0.08	3.42	3.41	15.75	
1055	Sample								
1115	pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A	10. Decontamination Procedures:	**Alconox/DI Rinse**
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1055	11. Instrument type:	**YSI ProSeries**
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**	Calibration Date:	
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**	Calibration Time:	
5. Sample Rate (mL/min)	300				
6. Sample Appearance:	good				
Turbidity	clear/low	9. Other Information:			
Color	clear				
Odor	none				

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): Gunnerson
MW Identification: AP MW-5D		Date/Time: 6/2/25 1855
Sample Number:		PID Readings: N/A
Weather Conditions: ~80° Cloudy Hot		
Wellhead Inspection: New		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Locked in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.66	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	~54.10	7. Water Level Measuring Equip	WL meter
3. Bottom of casing (±0.01 ft.)	56.10	8. Purge Equipment Used	LF Bladder pump
4. Casing Diameter (inches)	20	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	16.0	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: NA Turbidity: Mucky		12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: clear/tan			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~WL Drawdown~~	Notes
1559	pump on							15.45	
1600	purge start							15.80	
1605	1.6	26.1	7549	179.0	2.12	546	3.81	15.78	
1607	pump off, YSI connector broken.							-	
1620	pump on, YSI replaced			-	-	-	-	15.66	
1625	~1.5	26.4	8300	196.1	1.27	673	3.86	15.78	
1630	2.0	26.0	8231	175.4	0.80	396	3.84	15.78	
1635	2.5	26.5	8146	171.6	0.71	121	3.81	15.78	
1640	3.0	26.7	8114	174.9	0.69	69.4	3.79	15.82	
1645	3.5	25.9	7962	182.8	0.64	42.9	3.75	15.86	
1650	4.0	25.7	7971	195.0	0.59	29.2	3.76	15.87	
1655	4.5	25.4	8010	201.3	0.55	25.9	3.77	15.84	
1700	~5.0	26.0	8004	205.1	0.60	30.9	3.79	15.85	
1705	5.25	25.8	8114	193.5	0.52	22.0	3.80	15.89	
1710	5.5	25.4	8154	188.0	0.49	20.6	3.82	15.90	
1715	6.0	25.5	8185	188.0	0.44	20.7	3.83	15.86	
1720	6.35	25.8	8218	188.4	0.46	22.1	3.84	15.87	
1725	7.0	25.4	8262	184.3	0.39	18.8	3.85	15.86	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	NA	10. Decontamination Procedures:	
2. Sample Filtered?	Yes / No	8. Sample Time:	1855	Alconox/DI Rinse	
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.		11. Instrument type: YSI ProSeries	
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/ N/A	App. III and App. IV CCR Parameters		Calibration Date:	
5. Sample Rate (mL/min)	100	Na, Mg, K, Fe, Al, Alkalinity		Calibration Time:	
6. Sample Appearance:					Stnd. / Reading / Temp.
Turbidity	clear	9. Other Information:		pH	See attached calibration documentation
Color	clear			Conduct.	
Odor	NA			ORP	
				D.O	
				Turbidity	

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES**
MW Identification: AP MW-5D
Sample Number:
Weather Conditions: Cloudy, Hot, ~78°
Wellhead Inspection:
Sampler Name(s): Emma Foley
Date/Time: 6/2/25 1855
PID Readings: **N/A**

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1730	7.5	25.3	8276	179.9	0.37	19.8	3.86	15.90	
1735	8.6	25.4	8280	175.0	0.36	19.1	3.86	15.87	
1740	8.5	25.3	8293	175.7	0.35	19.2	3.87	15.89	
1745	9.0	25.2	8307	175.4	0.35	16.5	3.87	15.91	
1750	9.5	25.3	8313	173.9	0.34	17.4	3.87	15.88	
1755	10.0	25.0	8330	171.5	0.34	15.6	3.87	15.91	
1800	10.5	25.2	8327	169.7	0.33	15.5	3.88	15.90	
1805	11.0	25.0	8340	168.2	0.33	14.3	3.88	15.88	
1810	11.5	25.3	8342	167.9	0.32	13.2	3.88	15.89	
1815	12.0	25.1	8359	167.0	.30	12.6	3.88	15.88	
1820	12.5	25.2	8390	165.3	0.30	12.0	3.88	15.90	
1825	13.0	24.9	8391	164.0	0.30	11.7	3.88	15.92	
1830	13.5	25.0	8405	161.1	0.29	10.6	3.88	15.90	
1835	14.0	25.1	8410	159.1	0.29	10.3	3.88	15.90	
1840	14.5	25.0	8419	157.0	0.28	9.89	3.88	15.92	
1845	15.0	24.9	8427	156.5	0.29	9.73	3.88	15.89	
1850	15.5	25.1	8442	155.1	0.29	9.38	3.89	15.87	
1855	Sample	-	-	-	-	-	-	-	
1935	Pump off	-	-	-	-	-	-	-	

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): MK
MW Identification: AP MW-75		Date/Time: 6/2/25 1400
Sample Number:		PID Readings: N/A
Weather Conditions: Hot humid 95°		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	21.07	7. Purge Rate (mL/min)	~100
2. Intake Depth (±0.01 ft.)	36.75	7. Water Level Measuring Equip.	Geotech Sounder
3. Bottom of casing (±0.01 ft.)	38.75	8. Purge Equipment Used	Low flow Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged ~~(mL)~~ L	25L	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: none Turbidity	Low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

Time	Volume Purged ~~(mL)~~ L	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
~~1415~~							6.07		
1420	0.75	27.2	6000	92.7	1.00	47.4	~~6.07~~	23.63	150
1425	1.25	27.1	5985	94.3	1.02	45.7	6.01	23.74	100
1430	1.75	27.1	5917	97.5	0.74	46.1	5.98	23.90	100
1435	2.25	30.1	5891	101.6	0.87	36.3	5.94	23.96	100
1440	2.75	30.9	5871	104.8	0.86	32.4	5.92	24.04	100
1445	~~1850~~ 3.25	31.4	5911	106.6	0.83	32.2	5.95	24.13	100
1450	~~1455~~ 3.75	30.4	5937	106.7	0.75	30.1	5.95	24.20	100
1455	4.25	30.0	5889	103.4	0.70	28.2	5.95	24.29	100
1500	4.75	30.6	5845	99.5	0.71	24.4	5.91	24.35	100
1505	5.25	31.4	5814	95.0	0.71	20.6	5.85	24.42	100
1510	5.75	31.3	5785	92.7	0.61	16.4	5.83	24.50	100
1515	6.25	31.6	5770	91.6	0.58	14.8	5.81	24.55	100
1520	6.75	30.5	5765	90.5	0.58	13.6	5.81	2462	100
1525	7.25	31.0	5818	90.0	0.59	12.9	5.81	24.66	100
1530	7.75	31.2	5821	89.9	0.57	12.3	5.80	24.72	100
1535	8.25	31.4	5817	90.0	0.53	12.2	5.79	24.79	100
1540	8.75	31.3	5805	90.1	0.53	12.0	5.78	24.84	100

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / No	8. Sample Time:	~~1600~~ 1820
3. Sampling Equip. Used	Bladder Pump	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	~100		
6. Sample Appearance:		9. Other Information:	~~4 bottles, no filter~~ 8 bottles, Filtered Diss metals
Turbidity	Low		
Color	None		
Odor	NONE		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: Calibrated by Lab

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES
MW Identification: ~~AP~~ ~~MW~~ AP MW-75
Sample Number:
Weather Conditions: Hot humid 90's
Wellhead Inspection: Y

Sampler Name(s): MK
Date/Time: 6/2/25 1400
PID Readings: N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1545	9.25	31.1	5795	90.0	0.51	11.5	5.80	25.90	100
1550	9.75	30.4	5813	90.2	0.51	10.3	5.79	24.96	100
1555	10.25	30.0	5784	90.3	~~0.48~~	9.99	5.79	25.02	100
1600	10.75	30.9	5814	91.4	0.54	9.98	5.78	25.07	100
1605	11.25	30.9	5822	91.6	0.48	9.98	5.77	25.13	100
1610	11.75	30.7	5821	92.1	0.49	9.98	5.76	25.22	100
1615	12.25	30.4	5824	93.0	0.51	9.99	5.76	25.24	100
1620	12.75	Collect Sample							
1630	Pump stopped, Clamp on well came loose & pump hit bottom, turbidity shot up to OOR. waiting for response from Molly								
1720	13.5	24.5	6508	23.5	0.96	OOR	6.25	24.80	150
1725	14.25	23.6	6217	32.2	0.46	180	6.28	25.20	150
1730	15	24.7	5948	46.9	0.54	47.6	5.96	25.40	150
1735	~~15.00~~	24.5	5830	63.8	0.53	~~47.4~~	5.82	25.79	100
1740	16	25.3	5841	68.9	0.54	36.7	5.77	25.95	100
1745	16.5	25.7	5452	~~25~~ 75.8	0.46	25.4	5.78	26.30	100
1750	17	25.1	5829	81.3	0.50	17.6	5.74	26.50	100
1755	17.5	25.2	5813	84.7	0.52	15.4	5.74	26.62	100
1800	18	25.3	5794	87.8	0.55	15.2	5.74	26.86	100
1805	18.5	25.3	5794	90.6	0.53	15.7	5.71	26.91	100
1810	19	25.6	5811	91.1	0.52	16.5	5.70	27.01	100
1815	19.5	25.5	5790	91.8	0.53	15.2	5.71	27.08	100
1820	20	25.5	5781	92.1	0.53	15.1	5.69	27.26	100
1825 ~~1830~~	↖ 1820 sample time	Collect sample w/ field filter for diss metal							
1905 ~~1705~~	Pump off								

DO 0.49

Tur 124

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: GCSES
MW Identification: AP MW-7D
Sample Number:
Weather Conditions: Hot humid
Wellhead Inspection: Yes

Sampler Name(s): MK
Date/Time: 6/2/25 1120
PID Readings: N/A

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 27.30
2. Intake Depth (±0.01 ft.) 55.35
3. Bottom of casing (±0.01 ft.) 57.35
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged ~~(mL)~~ L 5.75 L
6. Purge Water Characteristics:
   Odor: ND
   Color: Clear
   Turbidity: Low
7. Purge Rate (mL/min) ~100
7. Water Level Measuring Equip. Geotech Sounder
8. Purge Equipment Used Bladder Pump
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) (AIR) NITROGEN / N/A

Time	Volume Purged ~~(mL)~~ L	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10mV	D.O. (mg/L) ±10%	Turbidity (NTU) <10 or 10%	pH ±0.1	Drawdown	Notes
1205	0.75	24.3	~~4978~~ 4967	-171.1	2.08	24.4	6.97	27.56	150mL/min
1210	1.5	24.2	4952	-177.3	0.86	30.0	6.98	28.30	150
1215	2.25	24.3	4948	-178.3	0.61	24.0	6.99	28.56	150
1220	2.75	24.3	4923	-179.3	0.51	30.6	6.99	29.41	100
1225	3.25	25.9	4944	-176.6	0.46	14.9	6.98	30.60	100
1230	3.75	26.0	4932	-175.6	0.45	14.1	6.99	30.24	100
1235	4.25	26.1	4916	-175.2	0.39	12.7	6.98	30.62	100
1240	4.75	26.5	4894	-174.8	0.35	8.79	6.97	31.04	100
1245	5.25	26.5	4897	-175.6	0.32	9.61	6.97	31.35	100
1250	5.75	26.5	4890	-176.7	0.30	6.17	6.96	31.64	100
1255	Collect Sample								
1340	Pump off								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / No
3. Sampling Equip. Used
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A
5. Sample Rate (mL/min) 160
6. Sample Appearance:
   Turbidity: None
   Color: Clear
   Odor: None
7. Time to recharge (min):
8. Sample Time: 1255
9: Parameter/Container/Pres.
App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity

9. Other Information:
7 bottles filled
no dissolved metals due to <10 turb

10. Decontamination Procedures:
Alconox/DI Rinse
11. Instrument type: YSI ProSeries
Calibration Date: Calibrated by
Calibration Time: Lab

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**
MW Identification: APPZ-1
Sample Number:
Weather Conditions: 88°F, partly cloudy
Wellhead Inspection: good

Sampler Name(s): MHB
Date/Time: 6/12/2025, 1255
PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 6.57
2. Intake Depth (±0.01 ft.) 27.00
3. Bottom of casing (±0.01 ft.) 29.43
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 7000
6. Purge Water Characteristics:
   Odor none Turbidity clear/low
   Color clear
7. Purge Rate (mL/min) 200
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used peristaltic
9. Dedicated? (Yes/No) Yes / (No)
10. Yes / (No)
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	WL Drawdown	Notes
1215	START PUMP								
1220	1000	23.2	9016	244.0	3.02	10.5	5.03	6.96	
1225	2000	23.0	9011	249.2	1.04	7.33	5.04	8.14	
1230	3000	23.7	8981	250.4	0.29	6.01	5.03	8.37	lower flow rate
1235	4000	23.6	8998	250.0	0.21	7.25	5.00	9.23	
1240	5000	23.6	9000	249.6	0.21	5.62	4.99	9.72	
1245	6000	23.7	9001	248.6	0.20	5.08	4.98	10.09	
1250	7000	23.7	9008	248.1	0.19	3.45	4.97	10.49	
1255	SAMPLE								
1315	STOP PUMP								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used peristaltic
4. Drive Gas (Air/Nitrogen) AIR/NITROGEN/(N/A)
5. Sample Rate (mL/min) 200
6. Sample Appearance: good
   Turbidity low/clear
   Color clear
   Odor none

7. Time to recharge (min): N/A
8. Sample Time: 1255
9: Parameter/Container/Pres.
App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity

9. Other Information:
pumped @ lowest possible setting on pump but still experiencing significant drawdown

10. Decontamination Procedures:
Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): MHB
MW Identification: APPZ-4		Date/Time: 5/22/2025, 1715
Sample Number:		PID Readings: **N/A**
Weather Conditions: 90°F, partly cloudy		
Wellhead Inspection: average		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	11.51	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	44.50 ~~46.41~~ MHB	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	46.41	8. Purge Equipment Used	low flow bladder pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	4500	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of Immiscible layer	
Odor: none Turbidity	clear/low	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	WL Drawdown	Notes
1625	START PUMP								
1630	500	26.4	6826	113.0	2.30	20.5	7.69	12.59	
1635	1000	26.9	6850	120.1	3.05	18.4	7.71	13.01	
1640	1500	26.8	6915	121.5	2.91	18.0	7.71	13.46	
1645	2000	26.4	6901	119.4	2.78	18.9	7.71	13.85	
1650	2500	26.5	6886	117.2	2.59	14.1	7.70	14.12	
1655	3000	26.7	6824	116.5	2.41	13.2	7.69	14.55	
1700	3500	26.7	6830	115.0	2.29	9.08	7.70	14.99	
1705	4000	26.8	6821	113.6	2.25	9.02	7.70	15.56	
1710	4500	26.8	6813	112.5	2.21	8.51	7.70	15.98	
1715	SAMPLE								
1805	STOP PUMP								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1715
3. Sampling Equip. Used	low flow bladder	9. Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	100		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear/low	significant drawdown	
Color	clear	even when purging slowly	
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): ZW
MW Identification: AP PZ-45		Date/Time: 06/03/25 1255
Sample Number:		PID Readings: **N/A**
Weather Conditions: Hot, sunny, high 80s°F		
Wellhead Inspection: good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	12.35	7. Purge Rate (mL/min)	100mL
2. Intake Depth (±0.01 ft.)	36.80	7. Water Level Measuring Equip.	WL Meter-Geotech 100'
3. Bottom of casing (±0.01 ft.)	38.80	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~7.75	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor N/A	Turbidity low	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / (N/A)
Color Clear			

Time	Volume Purged (mL) CL	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1310	start	pump	—	—	—	—	—	12.45	
1313	start	purge	—	—	—	—	—	13.12	150mL
1315	.75	24.7	10,324	-39.9	0.38	13.9	6.66	13.4	
1320	1.5	24.6	10,307	-61.9	0.26	3.1	6.66	14.18	
1325	2.25	24.6	10,273	-66.7	0.29	19.9	6.66	15.18	100 mL
1330	2.75	26.1	10,246	-44.8	0.25	17.8	6.66	15.58	
1335	3.25	26.7	10,305	-27.2	0.27	13.4	6.65	15.79	
1340	3.75	26.6	10,315	-28.3	0.26	5.95	6.65	16.28	
1345	4.25	26.8	10,340	-36.3	0.26	7.59	6.64	16.69	
1350	4.75	26.5	10,279	-39.9	0.25	9.02	6.64	17.02	
1355	5.25	26.7	10,302	-51.7	0.25	8.47	6.64	17.35	
1400	5.75	26.7	10,367	-57.7	0.25	9.51	6.64	17.68	
1405	6.25	26.5	10,382	-71.9	0.25	8.01	6.64	18.01	
1410	6.75	26.4	10,331	-66.7	0.25	7.55	6.64	18.29	
1415	7.25	26.4	10,340	-70.3	0.25	7.96	6.64	18.64	
1420	7.75	26.4	10,356	-69.6	0.25	7.61	6.64	19.03	
1425	start	sample	—	—	—	—	—	—	
1515	Stop	pump	—	—	—	—	—	—	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1425
3. Sampling Equip. Used	Peristaltic	9. Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	100		
6. Sample Appearance:	clear		
Turbidity	N/A	9. Other Information:	No dis metals <10NTU
Color	Clear		7 bottles total
Odor	N/A		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 6/2/25

Calibration Time: 18:15

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):
MW Identification:	MNW-15	Date/Time: 5/20/25 1555
Sample Number:		PID Readings: N/A
Weather Conditions:	Hot + humid	
Wellhead Inspection:	ola, fine	

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) ~7.50
2. Intake Depth (±0.01 ft.) 25.0
3. Bottom of casing (±0.01 ft.) 27.
4. Casing Diameter (inches) 2.0
5. Actual Volume of Water Purged (mL) ~9.0
6. Purge Water Characteristics:
   - Odor: NA
   - Color: clear
   - Turbidity: 4.76
7. Purge Rate (mL/min): ~200
7. Water Level Measuring Equip.: WL meter
8. Purge Equipment Used: Peristaltic
9. Dedicated? (Yes/No): Yes / (No)
10. ~~Yes / No~~
11. Thickness of immiscible layer: N/A
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1516	Start	PUMP	-	-	-	-	-	7.52	
1518	Start	purge	-	-	-	-	-	7.78	
1525	2.0	24.1	4373	315.9	0.15	11.1	3.58	7.84	
1530	3.0	23.9	4376	319.5	0.12	9.98	3.58	7.86	spilled bucket (purge)
1535	4.0	23.8	4349	318.2	0.10	8.36	3.58	7.87	
1540	5.5	23.8	4315	313.0	0.09	4.89	3.58	7.88	
1545	6.5	23.8	4290	313.8	0.08	5.25	3.58	7.89	
1550	~8.5	23.7	4275	312.2	0.08	4.70	3.59	7.90	
1555	sample								
1610	pump off								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used: Peristatic
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN/ (NA)
5. Sample Rate (mL/min): 230
6. Sample Appearance:
   - Turbidity: 4.70
   - Color: clear
   - Odor: NA
7. Time to recharge (min): NA
8. Sample Time: 1555
9. Parameter/Container/Pres.: **App. III and App. IV CCR Parameters**; **Na, Mg, K, Fe, Al, Alkalinity**
9. Other information:
10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): ZW
MW Identification: MW-151		Date/Time: 06/05/25 0955
Sample Number:		PID Readings: **N/A**
Weather Conditions: 80s°F, sunny, hot/humid		
Wellhead Inspection: good/new		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	5.81	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	50.43	7. Water Level Measuring Equip.	Geotech WL Meter 100'
3. Bottom of casing (±0.01 ft.)	52.43	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~14.5	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor N/A Turbidity	low	12. Drive Gas (Air/Nitrogen)	(AIR) NITROGEN (N/A)
Color Clear			

Time	Volume Purged ~~(mL)~~ (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1011	Start	pump	—	—	—	—	—	6.16	
1013	start	purge	—	—	—	—	—	6.20	
1015	.75	26.5	3719	-149.5	0.41	14.8	6.49	6.25	150mL
1020	1.5	26.5	3790	-146.8	0.36	16.7	6.51	6.31	
1025	2.25	26.0	3927	-138.0	0.32	20.4	6.51	6.37	200mL
1030	3.5	25.6	4032	-129.0	0.39	19.1	6.49	6.48	
1035	4.5	25.5	4065	-124.9	0.35	16.6	6.47	6.55	
1040	5.5	25.3	4094	-119.2	0.24	17.0	6.45	6.58	
1045	6.5	25.2	4092	-116.2	0.23	14.7	6.43	6.60	
1050	7.5	25.3	4095	-110.1	0.21	14.9	6.41	6.55	
1055	8.5	25.3	4123	-103.2	0.20	13.8	6.41	6.55	
1100	9.5	25.5	4115	-107.8	0.19	12.5	6.41	6.55	
1105	10.5	25.6	4111	-110.3	0.18	11.3	6.40	6.55	
1110	11.5	25.5	4073	-119.7	0.15	10.1	6.41	6.64	
1115	12.5	25.3	4077	-116.2	0.13	9.92	6.41	6.70	
1120	13.5	24.9	4117	-112.4	0.12	8.68	6.39	6.73	
1125	14.5	25.0	4109	-111.7	0.12	7.66	6.39	6.75	
1130	start	sample	—	—	—	—	—	—	
1150	stop	pump	—	—	—	—	—	—	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—	10. Decontamination Procedures:	
2. Sample Filtered?	Yes / No	8. Sample Time:	1130	**Alconox/DI Rinse**	
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.		11. Instrument type: **YSI ProSeries**	
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)	**App. III and App. IV CCR Parameters**		Calibration Date:	6/5/25
5. Sample Rate (mL/min)	200	**Na, Mg, K, Fe, Al, Alkalinity**		Calibration Time:	09:00
6. Sample Appearance:					
Turbidity	low	9. Other Information:			
Color	Clear	410 NTU, no odors, one MS			
Odor	N/A	7 bottles total			

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: GCSES
Sampler Name(s): Emma Foley
MW Identification: MNW-18
Date/Time: 5/20/25 1400
Sample Number:
PID Readings: N/A
Weather Conditions: Hot humid, sunny
Wellhead Inspection:

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 8.42
2. Intake Depth (±0.01 ft.): 39.0
3. Bottom of casing (±0.01 ft.): 51.09
4. Casing Diameter (inches): 4.0
5. Actual Volume of Water Purged (mL): 12.5
6. Purge Water Characteristics:
   Odor: NA
   Color: clear
   Turbidity: 5.61
7. Purge Rate (mL/min): 100
7. Water Level Measuring Equip.: WL meter
8. Purge Equipment Used: peristaltic
9. Dedicated? (Yes/No): Yes / No
10.
11. Thickness of immiscible layer: NA
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A

Time	Volume Purged (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1233	Pump on	-	-	-	-	-	-	8.39	
1234	Purge	-	-	-	-	-	-	8.54	
1240	1.5	22.6	3563	38.8	0.58	11.5	6.89	9.04	
1245	3.0	22.6	3530	50.5	0.77	9.06	6.90	9.46	
1250	3.5	23.2	3506	55.3	0.87	7.37	6.92	9.74	
1255	4.0	23.0	3467	61.8	1.12	6.17	6.93	9.99	
1300	4.75	22.9	3446	65.5	1.30	6.77	6.94	10.25	
1305	5.5	23.1	3413	68.7	1.57	7.21	6.97	10.53	
1310	6.0	23.0	3380	72.3	1.85	8.95	6.97	10.80	
1315	~6.75	23.0	3333	74.7	2.24	6.40	7.00	11.06	
1320	7.5	23.2	3293	77.9	2.63	6.26	7.03	11.37	
1325	~7.75	23.1	3280	79.2	2.72	5.61	7.03	11.63	
1330	8.0	23.0	3230	81.2	3.25	6.69	7.07	12.02	
1335	9.0	23.2	3200	83.0	3.37	7.06	7.10	12.29	
1340	9.5	23.0	3165	84.2	3.79	8.13	7.13	12.48	
1345	~11.0	22.9	3080	64.8	5.10	8.74	7.22	12.77	
1350	11.5	23.0	3073	77.8	5.23	8.90	7.24	13.05	
1355	12.0	23.0	3094	85.4	5.00	8.66	7.21	13.36	

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used: Peris.
4. Drive Gas (Air/Nitrogen): AIR/NITROGEN/ N/A
5. Sample Rate (mL/min): ~100
6. Sample Appearance:
   Turbidity: 5.61
   Color: clear
   Odor: NA
7. Time to recharge (min): NA
8. Sample Time: 1400
9. Parameter/Container/Pres.: App. III and App. IV COR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

- Contingency

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): CSS
MW Identification: SEL MW-1S		Date/Time: 5/21/2025, 1310
Sample Number:		PID Readings: **N/A**
Weather Conditions: 79°F partly cloudy		
Wellhead Inspection: good - new		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	17.43 ~~17.34~~	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	28.80	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	30.80	8. Purge Equipment Used	peristaltic pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~~3~~0000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor none Turbidity	clear/low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color clear			

	±3%	±3%	±10mV	±10%	±10%	0.5mg/L	<10NTU	±0.1	WL
Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ 17.43 ~~17.34~~	Notes
1055	start pump								
1100	500	22.6	8796	72.9	0.99	282	5.07	17.92	
1105	1000	22.5	8760	71.4	0.32	89.1	5.09	18.20	
1110	2000	22.5	8660	41.2	0.18	73.6	5.10	18.30	
1115	3000	22.6	8580	19.0	0.14	269	5.11	18.36	
1120	4500	22.5	8363	-29.1	0.11	260	5.22	18.42	
1125	5000	22.4	8242	-46.9	0.10	220	5.27	18.42	
1130	6000	22.7	8115	-64.8	0.11	161	5.35	18.40	
1135	7000	22.6	7950	-78.8	0.13	131	5.43	18.41	
1140	8000	22.7	7850	-94.2	0.17	84.3	5.51	18.43	
1145	9000	22.8	7870	-97.9	0.17	63.4	5.51	18.40	
1150	10000	22.8	7830	-110.3	0.16	41.0	5.53	18.41	
1155	11000	22.8	7827	-120.6	0.15	28.6	5.52	18.45	
1200	12000	22.8	7820	-135.8	0.14	20.9	5.51	18.46	
1210	14000	22.8	7829	-150.1	0.13	15.5	5.51	18.48	
1220	16000	~~22~~ 22.9	7818	-159.7	0.12	14.0	5.50	18.48	
~~1225~~ 1230	18000	22.9	7827	-175.6	0.11	13.1	5.50	18.48	
1235	19000	22.8	7835	-165.3	0.39	12.8	5.49	18.47	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1310
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear/low		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

- Contingency

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES**

MW Identification: SFL MW-1S

Sample Number:

Weather Conditions: 79°F partly cloudy

Wellhead Inspection: good - new

Sampler Name(s): CSS

Date/Time: 5/21/2025, 1310

PID Readings: **N/A**

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1240	20000	22.9	7830	-188.7	0.18	10.6	5.49	18.46	
1245	21000	22.9	7833	-150.4	0.30	10.2	5.48	18.46	
1250	22000	22.9	7834	-163.6	0.29	9.35	5.48	18.46	
1255	23000	22.9	7848	-166.7	0.22	9.35	5.48	18.46	
1300	24000	22.9	7854	-166.7	0.17	9.86	5.48	18.46	
1310	sample								
1405	pump off								

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): MHB
MW Identification: SFL MW-2		Date/Time: 5/20/2025, 1335
Sample Number:		PID Readings: **N/A**
Weather Conditions: 89°F, partly cloudy		
Wellhead Inspection: average / good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	9.61	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	21.70	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	23.78	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	6000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity: clear/low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	WL Drawdown	Notes
1300	START PUMP								
1305	1000	22.8	10049	137.2	0.46	8.52	5.77	10.08	
1310	2000	22.5	9910	123.7	0.23	6.07	5.96	10.98	
1315	3000	22.4	9939	121.6	0.24	4.35	6.00	11.15	
1320	4000	22.3	9995	120.4	0.22	5.24	6.01	11.20	
1325	5000	22.5	10047	119.2	0.22	2.42	6.00	11.22	
1330	6000	22.5	10068	119.0	0.22	2.40	6.01	11.25	
1335	SAMPLE								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1335
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	
Turbidity	clear/low		Duplicate SFL MW1-2 collected @ 1350
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/Di Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): ZW
MW Identification: SFL MW20		Date/Time: 6/4/25 10:15
Sample Number:		PID Readings: N/A
Weather Conditions: 80s°F, hot/humid		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / (No)
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	3.99	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	55.43	7. Water Level Measuring Equip.	WL Meter 100' -Geotech
3. Bottom of casing (±0.01 ft.)	67.43	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~9.0	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor N/A Turbidity	low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color Clear			

Time	Volume Purged ~~(mL)~~ (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1033	start	pump	—	—	—	—	—	4.08	
1039	start	purge	—	—	—	—	—	5.15	
1040	1	26.2	6211	59.9	0.90	19.4	5.34	5.39	175ml
1045	1.8	26.4	6208	66.3	0.86	17.3	5.33	6.37	100ml
1050	2.5	27.4	6238	48.6	0.83	14.0	5.36	6.97	
1055	3.0	27.7	6259	22.1	0.70	13.7	5.40	7.54	
1100	3.5	27.5	6331	8.8	0.74	13.2	5.49	8.10	
1105	4.0	27.8	6389	22.8	1.00	12.6	5.55	8.79	
1110	4.5	27.9	6420	39.9	1.06	13.9	5.58	9.00	-Pump shut off, restarted
1115	5.0	25.9	6379	54.1	0.96	13.2	5.56	9.82	
1120	5.5	26.4	6356	67.3	0.95	9.61	5.57	10.52	
1125	6.0	26.9	6371	72.4	0.45	8.44	5.57	11.07	
1130	6.5	27.1	6361	76.7	0.90	7.02	5.58	11.62	
1135	7.0	27.7	6370	82.7	0.87	6.96	5.57	12.19	
1140	7.5	27.6	6368	87.1	0.89	7.14	5.56	12.71	
1145	8.0	27.1	6367	89.0	0.87	8.68	5.55	13.15	
1150	8.5	27.1	6336	91.2	0.86	8.15	5.55		
1155	start	sample	—	—	—	—	—	—	
1240	stop	pump							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1155
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	
Turbidity	low		Olomu, no dis. metal
Color	Clear		7 bottles
Odor	N/A		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 6/4/25

Calibration Time: 08:35

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: GCSES		Sampler Name(s):	EF
MW Identification:	SFL MW-3	Date/Time:	5/20/25 1740
Sample Number:		PID Readings: N/A	
Weather Conditions:	Sunny, hot		
Wellhead Inspection:	old, fine		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	?~19.25	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	26.0	7. Water Level Measuring Equip.	WL meter
3. Bottom of casing (±0.01 ft.)	27.	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2.0	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7.0	10.	~~Yes / No~~
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor NA	Turbidity 3.27	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1656	pump	on	-	-	-	-	-	19.27	
(1700) 1658	purge	start	-	-	-	-	-	19.48	
1705	1.5	23.8	6046	444.8	0.44	6.34	3.80	19.52	
1710 ~~1715~~	2.5	23.8	6020	437.0	0.32	5.17	3.80	19.53	
1715 ~~1720~~	3.5	23.7	6004	431.7	0.26	4.35	3.80	19.54	
1720 ~~1725~~	4.5	23.7	5996	435.2	0.26	4.67	3.80	19.54	
1725 ~~1730~~	5.5	23.5	6005	425.0	0.21	3.27	3.80	19.56	
1730	~6.0	23.4	5990	423.0	0.14	5.28	3.80	19.56	
1735	~6.75	23.6	5980	417.3	0.17	4.45	3.80	19.57	
1740	Sample								
1800	Stop	pump							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1740
3. Sampling Equip. Used	perist.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	
Turbidity	3.27		
Color	clear		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES
MW Identification: STL MW-3D
Sample Number:
Weather Conditions: Overcast humid/hot
Wellhead Inspection:

Sampler Name(s): MK
Date/Time: 6/4/25 1030
PID Readings: N/A

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	19.81	7. Purge Rate (mL/min)	~200
2. Intake Depth (±0.01 ft.)	59.18	7. Water Level Measuring Equip.	Well Sounder
3. Bottom of casing (±0.01 ft.)	61.18	8. Purge Equipment Used	Low flow Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	14000 mL	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: None	Turbidity: Low	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: Clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1040	1000	25.6	5450	-99.2	2.69	9.11	6.40	20.02	200
1045	2000	23.8	5540	-121.4	0.52	23.5	6.60	20.26	200
1050	3000	25.7	5452	-122.2	0.46	21.5	6.61	20.07	200
1055	4000	26.4	5572	-92.1	0.40	19.8	6.60	20.07	200
1100	5000	26.4	5585	-120.2	0.34	15.6	6.60	20.07	200
1105	6000	26.7	5581	-119.8	0.32	17.6	6.61	20.07	200
1110	7000	26.2	5584	-119.6	0.30	20.2	6.61	20.07	200
1115	8000	26.9	5535	-117.5	0.30	27.3	6.62	20.07	200
1120	9000	26.1	5577	-118.6	0.27	30.2	6.63	20.07	200
1125	10000	26.4	5528	-118.5	0.27	35.2	6.64	20.07	200
1130	11000	26.8	5532	-118.9	0.23	32.0	6.64	20.07	200
1135	~~12000~~ 12000	26.9	5534	-119.0	0.23	30.8	6.63	20.07	200
1140	13000	27.2	5536	-118.6	0.22	30.0	6.63	20.07	200
1145	14000	27.3	5536	-118.1	0.21	30.6	6.63	20.07	200
~~1150~~ ↳	Begin Sampling								
1210	Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	~
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1145
3. Sampling Equip. Used	Low Flow	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	~200		
6. Sample Appearance:		9. Other Information:	8 bottles - Dissmeters
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**
Calibration Date: 6/3/25 Cal Check Pass
Calibration Time: 940 am

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): CSS
MW Identification: SFL - MW ~~#~~ 4		Date/Time: ~~5~~ 5/20/2025, 1800
Sample Number:		PID Readings: **N/A**
Weather Conditions: 87°F sunny		
Wellhead Inspection: ~~well cap [illegible] disconnected~~ average		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	~~(Yes)~~ / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.01	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	40.93	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	42.93	8. Purge Equipment Used	peristaltic pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	9000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity: clear/low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

	± 3%	± 10 mV	± 10% <0.5	± 10% <40 NTU	± 0.1	? W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
~~0~~1725	Start Pump							15.01	
1730	1500	23.7	8398	-205.0	0.46	7.85	6.20	15.90	
1735	3000	23.6	8325	-215.8	0.21	10.9	6.27	16.55	
1740	4000	23.7	8326	-226.3	0.15	7.00	6.30	16.62	
1745	5000	23.7	8336	-228.4	0.12	4.45	6.30	16.67	
1750	6000	23.7	8340	-231.8	0.11	3.94	6.30	16.70	
1755	7000	23.7	8353	-233.2	0.10	3.57	6.30	16.70	
1800	sample								
1825	pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A	10. Decontamination Procedures:	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1800	**Alconox/DI Rinse**	
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.		11. Instrument type: **YSI ProSeries**	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)	**App. III and App. IV CCR Parameters**		Calibration Date:	
5. Sample Rate (mL/min)	200	**Na, Mg, K, Fe, Al, Alkalinity**		Calibration Time:	
6. Sample Appearance:	good				
Turbidity	clear/low	9. Other Information:			
Color	clear				
Odor	none				

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: GCSES
MW Identification: SFE MW-45
Sample Number:
Weather Conditions: Cloudy, hot + humid
Wellhead Inspection:

Sampler Name(s): CF
Date/Time: 5/21/25, 1230
PID Readings: N/A

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 15.31
2. Intake Depth (±0.01 ft.): ~22.0
3. Bottom of casing (±0.01 ft.): 24.24
4. Casing Diameter (inches): 2
5. Actual Volume of Water Purged (mL): 7.5
6. Purge Water Characteristics:
   - Odor: NA
   - Color: clear
   - Turbidity: 5.93
7. Purge Rate (mL/min): ~100
7. Water Level Measuring Equip.: WL meter
8. Purge Equipment Used: peris.
9. Dedicated? (Yes/No): Yes / (No)
10. ~~Yes / No~~
11. Thickness of immiscible layer: NA
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~WL Drawdown~~	Notes
1122	start pump	-	-	-	-	-	-	15.49	
1125	Purge	-	-	-	-	-	-	15.61	
1130	1.0	23.5	11755	419.7	2.17	19.2	5.07	15.82	
1135	~2.0	23.6	11771	460.6	2.25	13.4	5.10	16.09	
1140	2.5	23.9	11743	493.7	1.86	12.5	5.13	16.31	
~~1145~~	~~3.5~~	~~24.0~~	~~11711~~	~~522.7~~	~~1.54~~		~~5.21~~	~~16.62~~	on a call
1150	3.●	24.0	11711	522.7	1.54	10.8	5.21	16.62	
1155	~3.5	24.3	11719	526.7	1.44	10.0	5.22	16.38	
1200	4.5	24.5	11735	528.5	1.39	9.69	5.23	16.91	
1205	~4.75	24.7	11751	531.1	1.30	6.39	5.24	17.06	
1210	5.25	24.3	11790	532.1	1.17	7.80	5.25	17.25	
1215	6.0	24.5	11785	531.5	1.08	5.88	5.25	17.42	
1220	6.5	24.7	11802	530.5	1.02	7.34	5.24	17.51	
1225	7.0	24.9	11794	532.4	0.97	5.93	5.23	17.61	
1230	Sample		-	-	-	-	-		had to increase
1305	PUMP	off	-	-	-	-	-	18.52	pressure during sampling

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used: peris.
4. Drive Gas (Air/Nitrogen): AIR/NITROGEN/(N/A)
5. Sample Rate (mL/min): ~115
6. Sample Appearance:
   - Turbidity: 5.88
   - Color: clear
   - Odor: NA
7. Time to recharge (min): NA
8. Sample Time: 1230
9. Parameter/Container/Pres.: **App. III and App. IV CCR Parameters**
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Re Sample - Alk

Low Stress Groundwater Sampling Data Sheet (Extension Page)

HDR

Facility Name: GCSES — Sampler Name(s): EJ

MW Identification: SFL-MW-4S — Date/Time: 5/21/25 1755

Sample Number: — PID Readings: N/A

Weather Conditions: Hot & humid, sun (direct)

Wellhead Inspection: new

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1730	~~Monitoring~~	23.9	11769	255.9	1.00	10.1	5.28	17.49	Purge re start
1735	1.0	24.0	11805	277.4	0.82	7.23	5.33	17.87	
1740	–	23.7	11650	268.5	0.69	7.22	5.15	–	
1745	2.5	23.7	11626	274.0	0.73	7.69	5.15	18.31	
1750	2.0	23.6	11619	278.3	0.70	6.92	5.13	18.	
1755									
~~1800~~									
~~1805~~									
1755	Sample								

250 mL bottle (Alk) split; had to restabalize 3.5 hours after pump was first turned off...

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): CSS
MW Identification: SFL MW-5		Date/Time: 5/20/2025, 1430
Sample Number:		PID Readings: **N/A**
Weather Conditions: 89°F sunny, partly cloudy		
Wellhead Inspection: average		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	14.51	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	22.29	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	24.29	8. Purge Equipment Used	peristaltic pump
4. Casing Diameter (inches)	~~20000~~ 2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	20000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity: clear/low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
		± 3%		± 10 mV	± 10% or < 0.5	± 10% or < 10 NTU			
1245	start pump							14.51	
1250	1000	25.4	74.0	176.0	0.90	8.49	2.66	15.54	
1255	2000	25.4	46.2	192.8	0.80	6.41	2.97	15.83	
1300	3000	25.1	39.1	177.4	0.67	5.88	3.02	16.01	
1305	4000	25.4	38.4	129.0	0.60	6.47	3.05	16.23	
1310	5000	25.6	35.2	103.8	0.56	6.07	3.07	16.25	
1315	6000	25.6	34.7	107.0	0.54	4.15	3.03	16.30	
1320	7000	25.6	79.9	109.4	0.54	4.52	2.92	16.35	
1325	7500	23.2	51.0	104.8	0.56	3.57	4.21	16.38	
1330	8000	23.2	45.5	111.5	0.54	4.19	4.25	16.44	air bubble in conductivity
1335	8500	23.0	1096.0	72.0	0.53	4.78	4.26	16.48	
1340	9500	23.0	1092.1	48.7	0.48	4.10	4.26	16.58	
1345	10000	22.8	1090.0	-4.7	0.61	3.72	4.27	16.59	
1350	11000	22.7	1085.6	54.2	0.53	3.20	4.27	16.62	
1355	12000	23.0	1083.5	40.1	0.76	3.98	4.27	16.69	
1400	12500	22.9	1082.6	55.0	0.48	4.10	4.27	16.73	
1405	13500	23.1	1082.8	60.0	0.47	3.26	4.27	16.76	
1410	14000	22.9	1082.9	35.2	0.49	3.78	4.26	16.80	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1430
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear/low		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES** | Sampler Name(s): CSS

MW Identification: SFL MW-5 | Date/Time: 5/20/2025, 1430

Sample Number: | PID Readings: **N/A**

Weather Conditions: 89°F sunny, partly cloudy

Wellhead Inspection: average

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1420	16000	22.9	1087.0	54.2	0.51	3.22	4.27	~~16.82~~	
1430	sample								
1500	pump off								

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**	Sampler Name(s): MK
MW Identification: SFL MW-5D	Date/Time: 6/3/25 1445
Sample Number:	PID Readings: **N/A**
Weather Conditions: Hot Humid	
Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No — New

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 24.99
2. Intake Depth (±0.01 ft.) 65.11
3. Bottom of casing (±0.01 ft.) 67.11
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) ~~1350~~ 6750
6. Purge Water Characteristics:
   - Odor: None
   - Color: Clear
   - Turbidity: Low
7. Purge Rate (mL/min): ~75
7. Water Level Measuring Equip.: Well Sounder
8. Purge Equipment Used: Low flow Bladder
9. Dedicated? (Yes/No): Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer: NA
12. Drive Gas (Air/Nitrogen): (AIR) NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1500	150 750	24.8	4199	-139.9	1.97	26.1	7.41	24.99	150
1505	150 750	24.7	4208	-151.4	0.56	29.1	7.43	25.89	150
1510	75 375	24.4	4197	-154.6	0.51	30.1	7.43	26.10	75
1515	75 375	26.3	4197	-153.7	0.49	27.7	7.42	26.50	75
1520	75 375	26.1	4197	-150.0	0.46	24.3	7.41	27.05	75
1525	75 375	27.5	4175	-145.9	0.49	25.6	7.40	27.30	75
1530	75 375	29.2	4176	-139.9	0.49	22.0	7.40	27.45	75
1535	75 375	29.6	4192	-139.4	0.51	21.5	7.37	27.62	75
1540	75 375	29.9	4179	-132.7	0.54	21.3	7.36	27.82	75
1545	75 375	29.4	4177	-130.5	0.54	19.5	7.36	27.95	75
1550	75 375	28.9	4156	-125.8	0.54	18.5	7.37	28.30	75
1555	75 375	28.6	4140	-123.2	0.58	17.6	7.37	28.43	75
1600	75 375	28.6	4123	-121.9	0.58	17.8	7.37	28.54	75
1605	75 375	28.4	~~4114~~ 4140	-116.7	0.57	17.2	7.37	28.72	75
1610	75 375	27.6	4112	-115.6	0.59	18.8	7.37	28.95	75
1615	75 375	27.6	4085	-108.7	0.57	18.8	7.38	29.14	75
1620	Begin Sample Collection, Collecting a dup as well - Field Filtering diss metals								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? (Yes) / No
3. Sampling Equip. Used: Low Flow Pump
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN/ N/A
5. Sample Rate (mL/min): ~75
6. Sample Appearance:
   - Turbidity: Low
   - Color: Clear
   - Odor: None
7. Time to recharge (min):
8. Sample Time: 1620
9. Parameter/Container/Pres.: App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information: Dup → SFL MWT-5D @1710
   Both 8 bottles
10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
    Calibration Date: 6/3/25 - ORP & DO
    Calibration Time: ~9am

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): MHB
MW Identification: SPL MW-6		Date/Time: 5/20/2025, 1555
Sample Number:		PID Readings: **N/A**
Weather Conditions: 85°F, mostly sunny		
Wellhead Inspection: average		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	18.18	7. Purge Rate (mL/min)	50
2. Intake Depth (±0.01 ft.)	23.00	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	23.15	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	2250	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: organic/sulfur Turbidity	clear/low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ WL	Notes
1510	START PUMP								
1515	250	25.2	16349	140.4	0.87	30.8	3.85	19.36	
1520	500	25.1	14041	143.8	0.76	25.4	3.88	19.54	
1525	750	24.9	13586	148.0	0.49	26.1	3.88	19.79	
1530	1000	25.2	13680	151.5	0.49	19.8	3.83	19.96	
1535	1250	25.0	13995	155.3	0.45	23.2	3.82	20.14	
1540	1500	25.0	14006	158.6	0.46	24.0	3.82	20.29	
1545	2000	24.9	13960	161.2	0.44	22.6	3.81	20.48	
1550	2250	25.0	13984	162.7	0.41	23.9	3.81	20.61	
1555	SAMPLE								
1620	WELL DRY, WAIT FOR RECHARGE								
1650	CONTINUE SAMPLE								
1715	PUMP OFF								

1. Well evacuated to dryness?	(Yes) / No	7. Time to recharge (min):	N/A
2. Sample Filtered?	(Yes) / No → diss metals	8. Sample Time:	1555
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres:	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	50		
6. Sample Appearance:	good		
Turbidity	clear/low	9. Other Information:	collected for diss. metals as TUB > 10NTU
Color	clear		
Odor	organic/sulfur		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**	Sampler Name(s): MK
MW Identification: SFL MW-6D	Date/Time: 6/3/25 1400 / 6/5/25 1000
Sample Number:	PID Readings: **N/A**
Weather Conditions: Hot humid	
Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	71.51/70.95	7. Purge Rate (mL/min)	50
2. Intake Depth (±0.01 ft.)	72.90	7. Water Level Measuring Equip.	well sounder
3. Bottom of casing (±0.01 ft.)	74.90 ~~72.88~~ ~~58.64~~	8. Purge Equipment Used	Low flow Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	1500	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: None Turbidity: high		12. Drive Gas (Air/Nitrogen)	(Air) NITROGEN / N/A
Color: Tan			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
6/5/25 1025	500	24.9	5736	170.9	1.58	77.0	7.45	71.35	100
1030	250	24.0	5684	154.6	2.34	143	7.47	71.70	50
1035	250	24.9	5643	147.7	8.47	242	~~7.49~~	72.00	50
1040	250	24.9	5684	145.9	8.80	277	7.48	72.20	50
1045	250	24.8	5648	144.8	8.71	191	7.47	72.34	50
		Pump no longer seeding up water						71.34	50
1050	Monitoring Recharge 71.29								
1115	0.5" recharge								

1. Well evacuated to dryness?	(Yes) / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	NA
3. Sampling Equip. Used	Bladder	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	(Air)/NITROGEN/ N/A		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	50		
6. Sample Appearance:		9. Other Information:	
Turbidity	High		NS - No water
Color	Tan		Low recharge
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 6/3/25 DO and ORP

Calibration Time: 940 am

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

MW22
23

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: **GCSES**	Sampler Name(s): MHB
	MW Identification: SPL-MW-7	Date/Time: 5/20/2025, 1820
	Sample Number:	PID Readings: **N/A**
	Weather Conditions: 86°F, sunny	
	Wellhead Inspection: bad	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	(Yes) / No → broken cap	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.56	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	56.00	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	58.32	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	9000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: sulfur — Turbidity	clear/low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN (N/A)
Color: clear			

WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ WL	Notes
1745	START PUMP							15.56	
1750	1500	23.6	7146	141.5	0.84	9.50	6.50	16.65	
1755	3000	23.5	7124	110.9	0.57	4.43	6.55	16.89	
1800	4500	23.5	7122	100.7	0.54	4.55	6.56	16.90	
1805	6000	23.6	7111	88.9	0.53	4.37	6.56	16.92	
1810	7500	23.6	7102	85.3	0.53	3.23	6.56	16.93	
1815	9000	23.6	7104	83.4	0.50	3.04	6.56	16.94	
1820	SAMPLE								
1835	STOP PUMP								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1820
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	300		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear/low		
Color	clear		
Odor	sulfur		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): CSS
MW Identification: SFL MW-7S		Date/Time: 5/21/2025, 1655
Sample Number:		PID Readings: **N/A**
Weather Conditions: 89°F sunny		
Wellhead Inspection: good - new		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.15	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	27.15	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	29.15	8. Purge Equipment Used	peristaltic pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	9000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity: clear/low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

± 3% ± 3% ± 10 mV ± 10% ± 10% 0.5 mg/L < 10 NTU ± 0.1 WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1620	start pump								
1625	1500	24.1	17110	-67.0	0.36	15.5	6.22	15.27	
1630	2000	23.8	16922	-109.3	0.30	8.38	6.28	15.28	
1635	3000	23.8	16192	-124.5	0.21	7.62	6.31	15.27	
1640	4000	23.7	15770	-131.1	0.14	8.22	6.33	15.28	
1645	5000	23.8	15350	-137.8	0.15	6.71	6.35	15.29	
1650	6000	23.8	14934	-141.8	0.26	6.47	6.37	15.30	
1655	sample								
1730	pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1655
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	good		
Turbidity	clear/low	9. Other Information:	
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: GCSES		Sampler Name(s):	EF
MW Identification:	SFL MW-8S	Date/Time:	5/21/25 1515
Sample Number:		PID Readings: N/A	
Weather Conditions:	Hot, no clouds		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	11.28	7. Purge Rate (mL/min)	~~~ 150
2. Intake Depth (±0.01 ft.)	21.0	7. Water Level Measuring Equip.	WL meter
3. Bottom of casing (±0.01 ft.)	23.01	8. Purge Equipment Used	peris.
4. Casing Diameter (inches)	2.0	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	16.0	10.	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor NA	Turbidity 7.06	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1405	Pump	on	-	-	-	-	-	11.99	
1406	Purge	start	-	-	-	-	-	11.66	
1410	1.0	23.0	5950	246.6	6.36	22.7	4.62	11.77	
1415	1.75	22.8	5863	252.8	0.20	18.6	4.60	11.84	
1420	2.5	22.8	5849	252.2	0.18	13.5	4.60	11.85	
1425									too hot outside, needed air
1430	3.75	22.8	5822	254.5	0.10	11.5	4.59	11.88	
1435	4.50	22.8	5819	255.9	0.10	13.9	4.58	11.89	
1440	5.25	22.9	5814	257.6	0.10	9.37	4.56	11.88	
1445	~5.75	22.9	5821	259.6	0.09	11.4	4.55	11.85	
1450	6.5	22.8	5815	261.1	0.09	10.7	4.54	11.87	
1455	7.25	23.0	5816	261.9	0.09	7.06	4.53	11.85	
1500	~80	22.8	5823	262.8	0.09	8.66	4.53	11.86	
1505	8.75	22.8	5821	264.0	0.08	8.94	4.52	11.87	
1510	9.50	22.9	5819	264.3	0.08	7.90	4.52	11.87	
1515	sample								
1335	stop pump								
1535									

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1515
3. Sampling Equip. Used	peris.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:		9. Other Information:	
Turbidity	7.06		
Color	clear		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): E Foley
MW Identification: SFL MW-8D		Date/Time: 5/21/25 1650
Sample Number:		PID Readings: N/A
Weather Conditions: Sunny, Hot		
Wellhead Inspection: New		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	10.02	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	46.66	7. Water Level Measuring Equip.	WL meter
3. Bottom of casing (±0.01 ft.)	42.2	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2.0	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	800	10.	~~Yes / No~~
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: clearish Turbidity	6.40	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: NA			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ WL	Notes
1549	Pump on	-	-	~	-	-	-	10.19	
1550	Purge	-	-	-	-	52.5	-	10.72	
1555	1.0	23.9	2842	50.4	0.28	35.5	6.72	11.21	
1600	2.0	23.9	2778	51.7	0.22	29.5	6.73	11.67	
1605	2.50	24.4	2754	43.1	0.15	23.7	6.74	11.89	
1610	~3.0	24.5	2750	40.0	0.14	19.8	6.74	11.93	
1615	3.5	24.3	2738	33.3	0.12	17.6	6.74	11.99	
1620	4.0	24.1	2738	30.1	0.11	13.9	6.74	12.06	
1625	5.0	24.5	2726	25.1	0.10	11.5	6.75	12.16	
1630	5.5	24.1	2724	23.5	0.09	10.5	6.74	12.19	
1635	6.0	24.3	2701	18.3	0.08	9.21	6.75	12.25	
1640	6.5	24.2	2691	15.8	0.08	9.62	6.74	12.28	
1645	6.5	24.2	2674	15.0	0.08	6.40	6.74	12.30	
1650	Sample								
1715	Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA	10. Decontamination Procedures:	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1650	**Alconox/DI Rinse**	
3. Sampling Equip. Used	Persist.	9: Parameter/Container/Pres.		11. Instrument type: **YSI ProSeries**	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)	**App. III and App. IV CCR Parameters**		Calibration Date:	
5. Sample Rate (mL/min)	150	**Na, Mg, K, Fe, Al, Alkalinity**		Calibration Time:	
6. Sample Appearance:				Stnd. Reading Temp.	
Turbidity	6.40	9. Other Information:		pH	**See attached calibration documentation**
Color	clear			Conduct.	
Odor	NA			ORP	
				D.O	
				Turbidity	

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): GF
MW Identification: SSP MW-2		Date/Time: 05/20/25 0950
Sample Number:		PID Readings: N/A
Weather Conditions: Humid, some clouds		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	? ~24.00	7. Purge Rate (mL/min)	100 mL/mL
2. Intake Depth (±0.01 ft.)	45.00	7. Water Level Measuring Equip.	WL meter
3. Bottom of casing (±0.01 ft.)	3 in	8. Purge Equipment Used	Peri.
4. Casing Diameter (inches)	7.5	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7.5	10. ~~Yes / No~~	
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor NA Turbidity	8.40	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color Clear			

Time	Volume Purged (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~W.L Drawdown~~	Notes
0824	Start	purge	—	—	—	—	—	24.05	
0825	water	purge	—	—	—	—	—	29.33	
0830	0.500	23.4	9134	286.7	0.38	24.7	4.48	25.27	
0835	1.500	24.0	9152	277.6	0.28	25.9	4.53	25.68	
0840	2.250	23.5	9190	266.2	0.22	27.4	4.55	26.08	
0845	2.750	23.9	9194	258.2	0.19	24.7	4.57	26.35	lowest purge rate possible
0850	3.0	23.6	9402	225.6	0.20	25.4	4.66	26.55	
0855	3.5	23.8	9480	191.1	0.16	22.9	4.70	26.83	
0900	3.5	23.9	9557	158.3	0.15	23.7	4.76	26.94	
0905	4.0	23.9	9820	114.0	0.14	23.9	4.88	27.06	
0910	4.25	23.9	9942	87.1	0.13	20.7	4.97	27.19	
0915	4.50	23.9	9974	79.5	0.13	15.4	5.00	27.29	
0920	25.0	23.6	10030	74.9	0.12	11.8	5.01	27.35	
0925	5.25	23.5	9921	83.2	0.12	10.5	~~5.49~~ 4.97	27.48	
0930	5.50	23.6	9951	79.3	0.11	9.56	4.97	27.56	
0935	6.25	23.9	10041	73.3	0.12	9.98	5.01	27.55	
0940	6.5	23.8	9968	65.3	0.11	8.40	5.02	27.53	
0945	7.0	23.8	9942	66.0	0.11	9.18	5.01	27.54	

Pump off @ 1030

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0956
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		Other information:	
Turbidity	Clear 8.40 (lowest)		
Color	Clear N/A		
Odor	N/A		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): ZW
MW Identification: SSP MW-2D		Date/Time: 06102125 ~~1340~~ 1115
Sample Number:		PID Readings: **N/A**
Weather Conditions: High 80s°F, Sunny/hot		
Wellhead Inspection: good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	23.46	7. Purge Rate (mL/min)	200
2. Intake Depth ±0.01 ft.)	62.88	7. Water Level Measuring Equip.	WL Meter
3. Bottom of casing (±0.01 ft.)	64.88	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~26.0	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: yes Turbidity	Cloudy	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: brownish clear			

Time	Volume Purged ~~(mL)~~ CL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
11:45	start	pump	—	—	—	—	—	—	
11:50	start	purge	—	—	—	—	—	—	
11:55	2.0	25.5	10,160	-203.9	0.62	156	6.13	24.26	200mL
12:00	~~2.5~~ 3.0	26.2	10,084	-217.0	0.34	196	6.13	24.73	
12:05	4.0	26.4	10,119	-220.8	0.30	222	6.13	24.99	
12:10	5.0	26.3	10,243	-225.0	0.24	210	6.12	25.40	
12:15	6.0	26.5	10,083	-229.5	0.20	194	6.13	25.73	
12:20	7.0	26.7	10,167	-230.4	0.20	165	6.12	25.92	
12:25	8.0	26.9	10,182	-230.4	0.22	149	6.12	26.02	
12:30	9.0	27.0	10,163	-230.0	0.22	135	6.11	26.11	
12:35	10.0	27.1	10,187	-228.1	0.19	115	6.11	26.21	
12:40	11.0	26.9	10,219	-229.4	0.19	91.2	6.10	26.31	
12:45	12.0	26.6	10235	-230.2	0.20	87.0	6.08	26.54	
12:50	13.0	25.8	10166	-234.2	0.19	81.2	6.08	26.74	
12:55	14.0	25.9	10168	-235.9	0.18	76.8	6.09	26.87	
13:00	15.0	26.0	10156	-237.1	0.17	71.9	6.09	27.01	
13:05	16.0	25.8	10154	-239.5	0.17	69.2	6.08	27.16	
13:10	17.0	25.8	10190	-239.5	0.18	66.8	6.08	27.34	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1340
3. Sampling Equip. Used	Bladder	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:			
Turbidity	Mildly cloudy	9. Other Information:	8 bottles w/FF
Color	clear/ash white		on dis. metals
Odor	yes		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: Calibrated by lab

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES** Sampler Name(s): ZW

MW Identification: SSP MW-2D Date/Time: 06102125 1115

Sample Number: PID Readings: **N/A**

Weather Conditions: High 80sºF, Sunny/hot

Wellhead Inspection: Good

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1315	18.0	25.9	10,145	-241.0	0.18	71.5	6.08	27.43	
1320	19.0	25.8	10,200	-242.0	0.15	75.6	6.08	27.51	
1325	20.0	25.8	10,194	-243.6	0.12	74.7	6.08	27.66	
1330	21.0	25.7	10,180	-244.5	0.11	76.3	6.07	27.79	
1335	22.0	25.5	10,166	-245.6	0.11	74.9	6.07	27.88	
1340	Start	SAMPLE	—	—	—	—	—	—	
1400	stop	PUMP	—	—	—	—	—	—	

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES
MW Identification: SSP MW-3
Sample Number:
Weather Conditions: 91°F, partly cloudy
Wellhead Inspection: good

Sampler Name(s): MHB
Date/Time: 5/21/2025, 1800
PID Readings: N/A

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 27.66
2. Intake Depth (±0.01 ft.) 46.00
3. Bottom of casing (±0.01 ft.) 48.36
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 5500
6. Purge Water Characteristics:
   Odor none Turbidity clear/low
   Color clear
7. Purge Rate (mL/min) 100
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used low flow bladder
9. Dedicated? (Yes/No) Yes / (No)
10. Yes / (No)
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) (AIR) / NITROGEN / N/A

WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1700	STOP PUMP					6	MHB	X	
1705	500	25.8	7457	206.2	10.74	20.~~4~~	4.69	27.45	
1710	1000	25.6	7603	207.2	6.65	25.4	4.68	28.32	
1715	1500	25.6	7703	210.7	4.60	23.2	4.50	28.53	
1720	2000	25.6	7832	216.0	2.99	19.8	4.38	28.97	
1725	2500	25.4	7781	217.8	2.68	20.1	4.37	29.24	
1730	3000	25.5	7802	218.9	2.46	18.8	4.36	29.35	
1735	3500	25.8	7779	220.4	3.01	19.1	4.35	29.51	
1740	4000	25.3	7810	221.6	2.84	20.4	4.35	29.68	
1745	4500	25.4	7794	219.8	2.76	20.2	4.36	29.84	
1750	5000	25.5	7789	218.4	3.07	19.4	4.36	30.02	
1755	5500	25.4	7778	218.1	3.10	20.2	4.36	30.21	
1800	SAMPLE								
1830	PUMP OFF								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used low flow bladder
4. Drive Gas (Air/Nitrogen) (AIR)/NITROGEN/ N/A
5. Sample Rate (mL/min) 100
6. Sample Appearance:
   Turbidity good
   Color clear/low
   Odor clear
   none
7. Time to recharge (min): N/A
8. Sample Time: 1800
9: Parameter/Container/Pres.
App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
collected field filtered sample for diss metals

10. Decontamination Procedures:
Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	EF
MW Identification: SSP MW-3D		Date/Time:	6/3/25 1230
Sample Number:	NA	PID Readings:	N/A
Weather Conditions:	Clouds, light breeze 31°		
Wellhead Inspection:	New		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	28.14	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	~58.5	7. Water Level Measuring Equip.	WL Meter
3. Bottom of casing (±0.01 ft.)	60.51	8. Purge Equipment Used	LF bladder
4. Casing Diameter (inches)	2.0	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	9.0	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: NA Turbidity	slightly	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: Clear	opaque		

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1027	PUMP	ON						26.95	
1030	Purge	Start						28.21	
1040	~2.5	25.9	7420	169.0	4.31	29.7	5.23	28.72	
1045	1.0	24.9	7530	130.0	3.42	60.3	5.00	28.98	
1050	2.0	25.5	7495	123.0	1.66	40.3	4.97	29.49	
1105	3.0	25.3	7494	111.9	1.27	25.3	4.96	29.45	
1110		25.2	7466	104.2	1.16		4.94	29.43	
1115									Emergency
1132	Restart	PUMP						28.58	
1135	4.0	27.4	7504 / 1148	209	1.55	21.9	4.94	28.76	
1140	4.5	25.6	7495	93.0	1.15	12.8	4.93	29.02	
1145	5.0	25.3	7476	99.5	1.15	17.5	4.95	29.17	ORP = 99.5
1150	5.5	25.4	7461	102.3	0.80	16.1	4.92	29.25	
1155	6.0	25.1	7475	101.4	0.83	14.0	4.91	29.29	
1200	6.5	25.2	7445	107.5	0.75	12.6	4.91	29.38	
1205	7.0	24.9	7451	101.5	0.75	11.2	4.91	29.41	
1210	7.5	24.7	7443	94.3	0.66	11.0	4.90	29.38	
1215	8.0	24.8	7445	99.7	0.73	9.89	4.91	29.36	
1220	8.5	24.8	7443	100.4	0.75	9.87	4.91	29.42	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1230
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:	Clear		
Turbidity	low/clear	9. Other Information:	Parameters taken with YSI Cup - not flow thru cell
Color	clear		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES** Sampler Name(s): EF

MW Identification: SSP MW-3D Date/Time: 6/3/25 1230

Sample Number: PID Readings: **N/A**

Weather Conditions: ~~New~~ New Clouds light breeze 30's

Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1225	9.0	24.9	7444	102.6	0.78	9.97	4.91	29.41	
1230	Sample	–	–	–	–	–	–	–	

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**	Sampler Name(s): MHB
MW Identification: SSP MW-4	Date/Time: 5/21/2025, 1345
Sample Number:	PID Readings: **N/A**
Weather Conditions: 85°F, mostly sunny	
Wellhead Inspection: good	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	25.35 ~~26.40~~ MHB	7. Purge Rate (mL/min)	50
2. Intake Depth (±0.01 ft.)	49.50	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	51.58	8. Purge Equipment Used	LF Bladder Pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	2250	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity	clear/low	12. Drive Gas (Air/Nitrogen)	(AIR)/ NITROGEN / ~~N/A~~ MHB
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown WL ~~MHB~~	Notes Flow Rate
1255	START PUMP							~~25.40~~	25.35
1300	250	25.9	5551	133.3	3.72	12.04	6.20	26.45	150
1305	500	27.9	5516	131.9	3.57	12.68	6.18	26.49	50
1310	750	28.3	5560	129.7	3.40	9.52	6.16	26.10	100
1315	1000	28.2	5550	127.7	3.57	6.41	6.17	26.26	100
1320	1250	26.8	5533	125.5	3.53	5.26	6.16	26.54	100
1325	1500	26.1	5557	124.0	2.79	5.13	6.16	26.90	100
1330	1750	26.2	5551	122.6	2.61	3.27	6.16	26.95	50
1335	2000	26.5	5552	120.2	2.73	1.03	6.15	27.01	50
1340	2250	26.4	5559	119.1	2.75	1.15	6.15	27.11	50
1345	SAMPLE								
1450	PUMP OFF								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / No	8. Sample Time:	1345
3. Sampling Equip. Used	LF Bladder Pump	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/ N/A		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	50		
6. Sample Appearance:	good	9. Other Information:	Must be purged as slowly as possible to minimize drawdown.
Turbidity	clear/low		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**	Sampler Name(s): MHB
MW Identification: SSP MW-45	Date/Time: 5/21/2025, 1530
Sample Number:	PID Readings: **N/A**
Weather Conditions: 89°F, mostly sunny	
Wellhead Inspection: good (new)	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	25.40	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	35.00	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	37.08	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	3000	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none Turbidity	clear/low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: light orange			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1455	START PUMP							25.40	
1500	500	24.3	5298	141.0	0.58	6.42	3.79	25.96	
1505	1000	24.4	5264	147.2	0.36	4.09	3.76	25.97	
1510	1500	24.3	5252	149.8	0.32	3.20	3.76	25.97	
1515	2000	24.3	5263	153.3	0.28	1.88	3.75	25.99	
1520	2500	24.3	5251	156.2	0.26	1.45	3.75	25.99	
1525	3000	24.2	5266	158.6	0.25	1.56	3.75	26.00	
1530	SAMPLE								
1600	PUMP OFF								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1530
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	100		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear/low		
Color	light orange		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**	Sampler Name(s): CSS
MW Identification: SSP MW-55	Date/Time: 5/22/2025, 1245
Sample Number:	PID Readings: **N/A**
Weather Conditions: 84°F partly cloudy, sunny	
Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: Yes / (No)

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 20.20
2. Intake Depth (±0.01 ft.) 42.15
3. Bottom of casing (±0.01 ft.) 44.15
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 14000
6. Purge Water Characteristics:

Odor _____ Turbidity _____

Color _____

7. Purge Rate (mL/min) _____
7. Water Level Measuring Equip. _____
8. Purge Equipment Used _____
9. Dedicated? (Yes/No) Yes / No
10. Yes / No
11. Thickness of immiscible layer _____
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

± 3% ± 10mV ± 10% ± 10% ±0.1 WL
<0.5 <10

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1120	pump start							20.20	
1125	500	23.8	7940	-18.9	0.31	275	5.78	20.58	
1130	1000	23.5	7872	-27.1	0.20	110	5.60	20.64	
1135	2000	23.5	7820	-19.7	2.2%	63.0	5.41	20.65	
1140	2500	24.0	7781	-14.6	2.1%	45.5	5.30	20.63	
1145	3000	25.3	7731	-13.7	0.19	35.8	5.28	20.56	pump stopped
1150	3500	24.6	7780	-17.3	0.18	33.3	5.27	20.54	
1155	4000	24.9	7793	-21.4	0.18	23.7	5.27	20.53	pump stopped
1200	4500	24.5	7787	-27.4	0.20	19.6	5.27	20.56	
1205	5000	22.8	7791	-33.2	0.11	18.4	5.28	20.88	
1210	6500	22.7	7735	-42.7	0.17	14.7	5.32	21.09	
1215	8000	22.9	7650	-51.5	0.15	11.8	5.32	21.08	
1220	9000	23.1	7628	-54.0	0.16	12.2	5.32	21.04	
1225	10000	23.2	7605	-59.3	0.16	10.7	5.32	21.04	
1230	10500	23.1	7582	-67.1	0.16	9.16	5.32	21.05	
1235	11500	23.2	7558	-71.8	0.16	7.06	5.32	21.06	
1240	12500	23.3	7539	-73.8	0.17	7.90	5.32	21.09	
1245	sample								
1315	pump off								

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used _____
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A
5. Sample Rate (mL/min) _____
6. Sample Appearance: _____
   Turbidity _____
   Color _____
   Odor _____
7. Time to recharge (min): _____
8. Sample Time: _____
9. Parameter/Container/Pres.
   App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information: _____

10. Decontamination Procedures:
    Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
    Calibration Date: _____
    Calibration Time: _____

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): MK	
MW Identification: SSP MW-5D		Date/Time: ~~6/2/25~~ 6/3/25	
Sample Number:		PID Readings: N/A	
Weather Conditions: Hot humid 95°			
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No (very new)
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	23.73	7. Purge Rate (mL/min)	~150
2. Intake Depth (±0.01 ft.)	62.45	7. Water Level Measuring Equip.	Well Sounder
3. Bottom of casing (±0.01 ft.)	64.45	8. Purge Equipment Used	Low Flow Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7500mL	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: None	Turbidity: Low	12. Drive Gas (Air/Nitrogen)	(AIR) NITROGEN / N/A
Color: Clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
~~1100~~ 1100	750	24.3	4133	-126.4	3.05	91.3	6.77	24.12	150
1105	750	24.3	4137	-157.1	0.80	76.0	6.79	24.30	150
1110	750	24.4	4138	-160.1	0.61	44.0	6.79	24.48	150
1115	750	24.3	4134	-169.1	0.54	30.8	6.80	24.68	150
1120	750	24.2	4163	-189.1	0.42	26.9	6.81	24.78	150
1125	750	24.4	4206	-204.7	0.37	31.3	6.81	24.86	150
1130	750	24.3	4219	-210.7	0.34	32.3	6.82	24.94	150
1135	750	24.6	4231	-216.3	0.31	35.9	6.82	25.05	150
1140	750	24.6	4241	-221.5	0.31	39.1	6.82	25.16	150
~~1145~~ 1145	750	24.5	4258	-223.1	0.27	37.9	6.82	25.21	150
1150	Begin Collecting Sample - well stable, will Pill diss metals								
1220	Pump off, Begin Prep for equipment Blank								
1250	Collect equipment Blank SSP MW-5D								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	-
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1150
3. Sampling Equip. Used	Low Flow Pump	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	~150		
6. Sample Appearance:			
Turbidity	Very Low	9. Other Information:	8 bottles for Diss Metals
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 6/3/25 → ORP & DO

Calibration Time: ~8am

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): ZW	
MW Identification: SSP MW-65		Date/Time: 06/02/25 ~~1720~~ 1420	
Sample Number:		PID Readings: N/A	
Weather Conditions: 105°F, Sunny, Hot			
Wellhead Inspection: good/new			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	7.96	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	34.88	7. Water Level Measuring Equip.	WL Meter 100' Geotech
3. Bottom of casing (±0.01 ft.)	36.88	8. Purge Equipment Used	Bladder pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~25.0	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	n/A
Odor: NO Turbidity: ~~heavy~~ slightly cloudy		12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: yellowish clear			

Time	Volume Purged (~~mL~~ CL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
15:08	Pump	on	—	—	—	—	—		
15:12	start	purge	—	—	—	—	—		
15:15	1.0	26.4	7,997	-9.2	0.29	51.5	5.63	8.68	200 mL
15:20	2.0	25.7	7,995	-9.9	0.71	60.8	5.55	8.77	
15:25	3.0	26.1	8,030	-7.4	0.38	41.6	5.50	8.83	
15:30	4.0	25.6	8,098	-9.4	6.31	40.1	5.48	8.88	
15:35	5.0	25.5	8,115	-8.9	0.29	41.6	5.47	8.94	
15:40	6.0	26.0	8,124	-10.8	0.26	45.5	5.46	8.98	
15:45	7.0	25.7	8,146	-16.0	0.24	41.2	5.45	9.03	
15:50	8.0	25.8	8,197	-17.4	0.21	29.9	5.43	9.08	
15:55	9.0	25.3	8,196	-17.3	0.15	27.0	5.42	9.12	
16:00	10.0	25.6	8,213	-15.1	0.15	24.6	5.42	9.15	
16:05	11.0	25.6	8,271	-14.2	0.15	21.1	5.38	9.17	
16:10	12.0	25.3	8,290	-15.5	0.14	15.3	5.38	9.18	
16:15	13.0	24.9	8,301	-20.2	0.13	13.6	5.38	9.20	
16:20	14.0	24.7	8,296	-27.7	0.13	19.4	5.37	9.22	
16:25	15.0	24.6	8,300	-31.6	0.13	20.3	5.37	9.25	
16:30	16.0	24.5	8,355	-32.9	0.13	19.8	5.36	9.28	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1720
3. Sampling Equip. Used	Bladder	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	<10 NTU, no dis metals
Turbidity	low		7 bottles total
Color	clear		
Odor	NO		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: Calibrated by lab

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES
Sampler Name(s): ZW
MW Identification: SSP MW-65
Date/Time: 06/02/25 ~~17:20~~ 1420
Sample Number:
PID Readings: N/A
Weather Conditions: 40s°F, SUNNY
Wellhead Inspection: GOOD / NEW

Time	Volume Purged ~~(mL)~~ (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
16:35	17.0	24.7	8,352	-31.0	0.13	15.2	5.35	9.30	
16:40	18.0	24.9	8,363	-31.8	0.10	9.09	5.34	9.31	
16:45	19.0	25.0	8,365	-32.8	0.11	12.3	5.34	9.33	
16:50	20.0	24.5	8,390	-37.9	0.13	14.8	5.33	9.34	
16:55	21.0	24.5	8,389	-39.6	0.13	14.5	5.33	9.34	
17:00	22.0	24.7	8,417	-38.1	0.12	12.7	5.32	9.35	
17:05	23.0	24.5	8,420	-43.3	0.12	9.16	5.32	9.36	
17:10	24.0	24.2	8,410	-46.0	0.12	9.08	5.32	9.36	
17:15	25.0	24.2	8,405	-47.9	0.11	8.73	5.32	9.37	
17:20	Start	sample	—	—	—	—	—	—	
17:40	Stop	pump	—	—	—	—	—	—	

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): ZW
MW Identification: SSP MW-6D		Date/Time: ~~06/02/25~~ 06/03/25 0955
Sample Number:		PID Readings: **N/A**
Weather Conditions: 90sf, ~~Sunny~~ hot, cloudy		
Wellhead Inspection: Good/new		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	7.88	7. Purge Rate (mL/min)	125
2. Intake Depth (±0.01 ft.)	53.64	7. Water Level Measuring Equip.	Geotech-WL Meter 100
3. Bottom of casing (±0.01 ft.)	53.64	8. Purge Equipment Used	~~peristaltic~~
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / ~~No~~
5. Actual Volume of Water Purged (mL)	~10.0	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor N/A Turbidity	Low	12. Drive Gas (Air/Nitrogen)	(AIR) NITROGEN (N/A)
Color Clear			

Time	Volume Purged ~~(mL)~~ (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1045	START	pump	—	—	—	—	—	8.46	
1048	Start	purge	—	—	—	—	—	8.80	
1050	1	25.1	6451	-98.6	0.48	20.0	6.58	9.02	200mL
1055	2	25.0	6458	-100.4	0.47	25.6	6.58	10.60	
1100	3	25.5	6445	-106.0	0.44	26.3	6.59	11.68	
1105	4	24.9	6415	-110.5	0.43	23.1	6.59	12.31	~~Adjust to 125mL~~ 125mL
1110	4.5	26.1	6360	-111.6	0.46	24.9	6.59	12.90	
1115	5.0	26.1	6391	-110.7	0.58	20.8	6.59	13.31	
1120	5.7	26.2	6367	-116.3	0.57	18.7	6.60	13.81	
1125	6.3	26.3	6335	-121.4	0.57	17.1	6.60	14.26	
1130	7.0	26.1	6334	-123.4	0.56	15.0	6.60	14.73	
1135	7.5	26.3	6336	-124.5	0.55	11.6	6.59	15.15	
1140	8.0	26.4	6363	-124.6	0.42	11.0	6.59	15.53	
1145	8.5	26.5	6366	-123.3	0.43	9.48	6.59	15.98	
1150	9.0	26.3	6339	-123.4	0.39	9.24	6.59	16.27	
1150	9.5	26.1	6346	-123.1	0.38	9.81	6.59	16.60	
1155	10.0	26.2	6351	-122.9	0.34	9.79	6.59	16.92	
1200	START	sample	—	—	—	—	—	—	
1230	Stop	pump	—	—	—	—	—	—	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1200
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	125		
6. Sample Appearance:	clear		
Turbidity	N/A	9. Other Information:	No dis. metals <10 NTU, 7 bottle total
Color	clear		
Odor	N/A		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 6/2/25

Calibration Time: 18:15

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): MHB
MW Identification: SSP/AP MW-1		Date/Time: 5/21/2025, 1125
Sample Number:		PID Readings: **N/A**
Weather Conditions: 80°F, partly cloudy		
Wellhead Inspection: average, overgrown		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	10.11	7. Purge Rate (mL/min)	300
2. Intake Depth (±0.01 ft.)	41.00	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	43.22	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	~~12000~~ MHB	10.	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none / Color: clear	Turbidity: clear/low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)

WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1040	START PUMP								
1045	1500	22.4	8968	102.5	3.25	9.72	5.63	11.36	
1050	3000	22.4	8900	84.2	1.03	6.22	5.68	11.55	
1055	4500	22.4	8893	71.3	0.51	5.73	5.71	11.76	
1100	6000	22.5	8850	~~63.7~~ MHB	1.05	4.04	5.75	11.81	
1105	7500	22.6	8832	65.4	1.07	3.12	5.78	11.90	
1110	9000	22.6	8828	63.8	1.11	2.63	5.80	11.98	
1115	10500	22.6	8814	62.8	1.06	2.40	5.79	12.10	
1120	12000	22.6	8806	62.9	1.10	2.32	5.79	12.20	
1125	SAMPLE								
1140	STOP PUMP								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1125
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	300		
6. Sample Appearance:		9. Other Information:	
Turbidity	(clear)/low		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

July 2025 Event

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	7/17/25 1400
Sample Number:	SSP - MW-2D	PID Readings: N/A	
Weather Conditions:	Hot Cloudy		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	23.28	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	62.88	7. Water Level Measuring Equip.	Watch
3. Bottom of casing (±0.01 ft.)	64.46	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	12500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none	Turbidity: Cloudy	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Cloudy			

	± 3%	± 3%	± 10 MV	± 10% or 0.5	< 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1420	500	27.1	10146	-143.2	.47	471	6.05	24.85	
1425	1000	27.2	10160	-149.6	.45	382	6.05	25.11	
1430	1500	27.5	10190	-159.5	.44	254	6.06	25.56	
1435	2000	27.5	10195	-159.4	.68	208	6.07	25.92	
1440	2500	27.5	10180	-159.2	.72	144	6.07	26.14	
1445	3000	27.5	10170	-159.2	.75	146	6.08	26.50	
1450	3500	27.5	10175	-160.4	.80	124	6.08	26.56	
1455	4000	27.4	~~9549~~ 10175	-161.8	.82	100	6.06	26.62	
1500	4500	26.8	10170	-166.2	.68	101	6.05	26.94	
1505	5000	26.2	10160	-171.8	.58	101	6.03	27.10	
1510	5500	26.2	10170	-174.2	.57	104	6.03	27.22	
1515	6000	26.1	10190	-177.6	.50	103	6.03	27.30	
1520	6500	26.4	10110	-178.2	.50	101	6.03	27.41	
1525	7000	26.7	10060	-179.9	.49	97.5	6.02	27.52	
1530	7500	26.7	10050	-179.2	.49	95.2	6.02	27.55	
1535	~~1545~~ 8000	26.9	10030	-176.9	.48	92.5	6.00	27.60	
1540	~~1540~~ 8500	27.2	10200	-179.2	.48	92.0	6.01	27.60	
1545	~~1545~~ 9000	27.6	10440	-180.1	.49	92.5	6.01	27.60	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / ~~No~~	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	
Turbidity	Slight		
Color	Slightly cloudy		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES | Sampler Name(s): WRC

MW Identification: | Date/Time: 7/17/25 1400

Sample Number: SSP MW-2D | PID Readings: N/A

Weather Conditions: Hot Cloudy

Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1550	9500	26.8	10300	-179.2	.51	88.4	6.00	27.61	
1555	10000	26.9	10250	-177.8	.52	87.6	6.00	27.63	
1600	10500	26.9	10200	-177.8	.53	87.4	6.01	27.65	
1605	11000	26.9	10170	-177.9	.55	84.3	6.01	27.69	
1610	11500	26.9	10130	-178.3	.51	82.1	6.01	27.70	
1615	12000	26.8	10110	-179.8	.49	79.6	6.01	27.72	
1620	12500	26.8	10100	-179.9	.47	79.4	6.02	27.75	
Sample @ 1625									
Stop Pump @	1700								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WR C
MW Identification:	SSP MW-3D	Date/Time:	7/16/25 0730
Sample Number:		PID Readings: N/A	
Weather Conditions:	Warm 77°		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / (No)
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	27.99	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	58.5	7. Water Level Measuring Equip.	Dedicated
3. Bottom of casing (±0.01 ft.)	60.51	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	8500	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: more Turbidity: Cloudy		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color:			

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10 MV	D.O. (mg/L) ±10% ≤0.5	Turbidity (NTU) ≤10	pH ±0.1	~~Drawdown~~ WL	Notes
Pump on 0725									
0730	500	22.9	7400	-63.2	1.86	405	5.06	29.90	
0735	1000	22.9	7400	-68.4	1.88	364	5.05	29.94	
0740	1500	23.0	7408	-73.8	1.91	301	5.05	29.99	
0745	2000	23.0	7420	-76.2	2.07	124	5.03	30.10	
0750	2500	23.1	7430	-79.4	2.21	72.8	5.03	30.20	
0755	3000	23.1	7410	-79.5	2.16	59.4	5.01	30.19	
0800	3500	23.2	7410	-79.6	2.05	45.9	5.01	30.19	
0805	4000	23.2	7420	-77.2	2.27	46.1	4.99	30.20	
0810	4500	23.2	7420	-75.0	3.61	44.2	4.99	30.20	
0815	5000	23.4	7440	-73.2	2.64	44.1	4.99	30.18	
0820	5500	23.4	7440	-70.1	2.60	44.1	4.99	30.15	
0825	6000	23.5	7450	-65.7	1.10	33.8	4.99	30.15	
0830	6500	23.5	7450	-62.5	0.80	24.2	4.99	30.16	
0835	7000	23.5	7450	-56.2	0.90	16.4	4.99	30.06	
0840	7500	23.6	7450	-46.1	1.10	9.7	4.99	29.98	
0845	8000	23.6	7450	-42.3	1.08	7.21	4.99	29.98	
0850	8500	23.7	7450	-39.1	1.06	6.19	4.99	29.98	

→ Sample @ 0850 Pump off @ 0920

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0850
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	7 metal samples
Turbidity	Clear		
Color			
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWC
MW Identification:	SSP MW-45	Date/Time:	7.18.2025 / 1000
Sample Number:	76°, cloudy	PID Readings: N/A	1030 for FD-2
Weather Conditions:			
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	~~Yes~~ / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	25.36	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	35.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	37.08	8. Purge Equipment Used	
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Slight to low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Sl. yellow tinge			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
		± 3%	± 3%	± 10 MV	± 10% <0.5	<10	± 0.1	WL	
~~0745~~	START PUMP		~	~	~	~	~	25.36	25.36
~~0750~~	Trouble with hose suction								
0830	START PUMP		~	~	~	~	~	25.36	
0835	500	23.8	5583	-32.6	0.85	33.3	3.65	25.67	
0840	1000	23.9	5591	32.9	0.57	28.9	3.65	25.68	
0845	1500	23.9	5589	116.7	0.56	26.8	3.65	25.68	
0850	2000	24.4	5552	93.1	0.50	25.4	3.64	25.68	
0855	2500	23.9	5580	99.8	0.63	24.8	3.65	25.68	
0900	3000	24.1	5591	100.2	0.70	24.4	3.65	25.68	
0905	3500	24.1	5589	48.8	0.81	20.4	3.65	25.69	
0910	4000	24.2	5591	-11.0	0.80	18.4	3.65	25.69	
0915	4500	24.1	5591	-3.7	0.55	17.9	3.65	25.69	
0920	5000	24.2	5589	-30.3	0.42	17.0	3.65	25.70	
0925	5500	24.1	5592	-29.8	0.49	14.3	3.65	25.70	
0930	6000	24.2	5595	-22.0	0.68	12.9	3.65	25.70	
0935	6500	24.2	5596	-19.0	0.66	11.1	3.65	25.70	
~~0940~~	7000	24.3	5554	-10.0	0.80	10.5	3.65	25.70	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

SSP MW-4S

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES
Sampler Name(s): PWC
MW Identification: SSP MW-4S
Date/Time: 7-18-25
Sample Number: 76°, clear
PID Readings: N/A
Weather Conditions:
Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ DTW	Notes
0945	7500	24.5	5590	-20.1	0.71	6.8	3.65	25.7	
0950	8000	24.5	5583	-17.3	0.65	9.7	3.65	25.7	
0955	8500	24.5	5587	-15.0	0.67	9.2	3.65	25.7	
1000	Sample	-	include DUP SSP MW-4S (FD2)						
1110	Shut off pump								
			Note FD2 was marked as 1030 sample - actually filled alternate with MW-4S						

Page 2 of 2

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: GCSES	Sampler Name(s):	PWC
	MW Identification: SSP MW-5S	Date/Time:	7/17/2025, 0905
	Sample Number:	PID Readings:	N/A
	Weather Conditions: 77°F, Foggy		
	Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / (No)
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])		7. Purge Rate (mL/min)	
2. Intake Depth (±0.01 ft.)	42.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	44.55	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

± 3% ± 3% ± 10 MV ± 10% or ≤ 0.5 ± 10 ± 0.1 WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0825 ~~0752~~	Pump start							19.89	
0830	750	23.3	7534	72.8	0.56	5.77	5.10	20.65	
0835	1500	23.8	7519	75.1	0.61	7.52	5.12	20.70	
0840	2250	24.0	7479	68.2	0.54	5.81	5.12	20.71	
0845	3000	24.0	7471	66.8	0.61	6.01	5.12	20.72	
0850	3750	23.9	7508	66.4	0.66	8.50	5.12	20.73	
0855	4500	23.9	7466	61.0	0.63	8.70	5.12	20.74	
0900	5250	23.9	7505	61.5	0.65	8.10	5.12	20.77	
0905	SAMPLE								
0915	Shut pump down								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	low		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	LRC
MW Identification:	SSP MW-5D	Date/Time:	7/17/25 / 0800
Sample Number:		PID Readings: N/A	
Weather Conditions:	Warm 77°		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	23.88	7. Purge Rate (mL/min)	150 | 100
2. Intake Depth (±0.01 ft.)	62.40	7. Water Level Measuring Equip.	WL Solinst
3. Bottom of casing (±0.01 ft.)	64.45	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: Mone Turbidity:		12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: Clear			

	± 3%	± 3%	± 10 MV	± 10% ≥ 0.5	≤ 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (MS/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0820	500	23.1	4.496	-138.9	0.52	44.2	6.91	24.71	
0825	1000	23.8	4.513	-149.9	0.57	32.7	6.93	24.62	
0830	1500	24.0	4.562	-157.4	0.50	28.4	6.93	24.61	
0835	2000	24.4	4.571	-174.0	0.50	23.6	6.94	24.68	
0840	2500	24.5	4.584	-181.9	0.47	23.1	6.94	24.74	
0845	3000	24.9	4.582	-185.0	0.42	18.4	6.94	24.76	
0850	3500	24.9	4.608	-185.2	0.43	23.6	6.94	24.77	
0855	4000	24.9	4.626	-186.7	0.45	25.4	6.94	24.76	
0900	4500	25.2	4.622	-190.6	0.42	19.7	6.94	24.84	
0905	5000	25.2	4.619	-191.7	0.41	15.3	6.94	24.85	
0910	5500	25.2	4.622	-194.9	0.37	13.1	6.93	24.92	
0915	6000	25.0	4.625	-195.2	0.36	8.14	6.93	25.01	
0920	6500	24.9	4.628	-195.5	0.36	7.42	6.93	25.04	
0925	7000	24.7	4.626	-195.7	0.36	5.91	6.93	25.08	
0925	Sample								
Pump	Off 7000								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	-
2. Sample Filtered?	~~(Yes)~~ / (No)	8. Sample Time:	0925
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:	Clear	9. Other Information:	7 & bottles
Turbidity	Very low		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date: 7/17/25

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWC & LLS
MW Identification:	SSP MW-65	Date/Time:	7.17.2025,
Sample Number:		PID Readings: N/A	
Weather Conditions:	83°F, Ptly Cloudy		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	7.92	7. Purge Rate (mL/min)	
2. Intake Depth (±0.01 ft.)	34.50	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	36.88	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

	± 3%	± 3%	± 10 MV	± 10% ≤ 0.5	≤ 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1040	Start Pump							7.92	
1045	500	25.6	79640	19.3	0.75	4.01	5.38	8.37	
1050	1000	26.0	7956	30.8	0.61	2.22	5.37	8.44	
1055	1500	26.4	7943	38.8	0.60	3.05	5.37	8.46	
1100	2000	25.8	7941	0.4	0.54	3.16	5.37	8.54	
1105	2500	25.8	7940	-1.1	0.65	3.50	5.37	8.54	
1110	3000	25.9	7930	-2.4	0.65	3.35	5.36	8.55	
1115	3500	25.7	7943	2.1	0.56	7.34	5.36	8.56	
1120	4000	25.8	7965	3.6	0.52	7.13	5.36	8.56	
1125	4500	25.9	7999	2.3	0.50	8.97	5.37	8.58	
1130	5000	25.9	8000	3.3	0.53		5.37	8.59	
1135	Start Sample	—	—	—	—	—	—	—	
1215	Stop Pumps								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	low		
Color	Clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWC
MW Identification:	SSP MW-6D	Date/Time:	7.17.25, 1330
Sample Number:		PID Readings: N/A	
Weather Conditions:	89°F, Ptly Cloudy		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 7.91
2. Intake Depth (±0.01 ft.) 51.52
3. Bottom of casing (±0.01 ft.) 53.64
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL)
6. Purge Water Characteristics:

Odor _____ Turbidity _____

Color _____

7. Purge Rate (mL/min) 100
7. Water Level Measuring Equip.
8. Purge Equipment Used Peristaltic
9. Dedicated? (Yes/No) Yes / No
10. Immiscibility layer? Yes / No
11. Thickness of immiscible layer
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
		± 3%	± 3%	± 10 MV	± 10% ≤ 0.5	≤ 10	± 0.1	WL	
1245	Start pump	—	—	—	—	—	—	7.91	
1250	500	26.2	6362	-43.8	0.64	1.46	6.41	9.57	
1255	1000	26.6	6370	-39.5	0.52	4.07	6.40	10.64	
1300	1500	26.6	6343	-47.4	0.43	6.15	6.40	11.18	
1305	2000	26.8	6337	-40.5	0.67	4.18	6.40	11.67	
1310	2500	26.9	6348	-38.7	0.71	2.33	6.40	12.24	
1315	3000	27.4	6351	-38.2	0.81	1.01	6.40	12.71	
1320	3500	27.1	6328	-41.0	0.69	0.60	6.40	13.04	
1325	4000	27.4	6338	-41.0	0.65	0.40	6.40	13.51	
1330	— Sample	—	—	—	—	—	—		
1415	STOP	Pump							

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ (N/A)
5. Sample Rate (mL/min)
6. Sample Appearance:
   - Turbidity: Low
   - Color: Clear
   - Odor: None
7. Time to recharge (min):
8. Sample Time:
9. Parameter/Container/Pres.: App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PwC
MW Identification:	AP MW-1	Date/Time:	7.17.2025,
Sample Number:		PID Readings: N/A	
Weather Conditions:	92°F, overcast		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	14.84	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	22.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	25.11	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

	± 3%	± 3%	± 10 MV	± 10% ≥ 0.5	< 10	± 0.1	WL	
Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1515	START	PUMP						14.84	~~14.84~~
1520	750	25.5	2609	81.5	2.61	0.72	5.37	15.03	~~1503~~
1525	1500	25.1	2598	89.5	0.58	1.11	5.38	15.04	+
1530	2250	25.2	2596	85.8	0.67	1.78	5.38	15.07	
1535	3000	24.8	2596	84.0	0.40	0.38	5.38	15.10	
1540	3750	25.1	2577	79.4	0.68	0.02	5.38	15.08	
1545	4500	25.0	2572	73.6	0.81	0.48	5.38	15.09	
1550	5250	24.8	2580	-40.9	0.68	1.12	5.38	15.09	
1555	6000	24.9	2589	-49.2	0.60	2.00	5.38	15.08	
1600	6750	24.7	2593	-51.8	0.82	2.15	5.37	15.09	
1605	7500	24.9	2599	-42.6	0.55	2.01	5.37	15.10	
1610	Start	Sample							Will also
1700	Finish	Sample & Dup		(FD-1)					Dup this
									Well
									(FD-1)

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

7.21-25

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	RWC
MW Identification:	AP MW-10 (dup)	Date/Time:	~~7.22~~ 7.21.25 / 0830
Sample Number:		PID Readings: N/A	
Weather Conditions:	82° P.M. Cloudy		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.98	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	41.01	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	43.02	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of Immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
		± 3%	± 3%	± 10 MV	± 10% <0.5	<10	± 0.1	WL	
0740	START	PUMP	—	—	—	—	—	15.98	150mL/min
0745	750	24.1	1216	11.2	1.17	1.66	6.00	16.29	
0750	1500	24.3	1263	-14.7	6.89	0.63	6.00	16.30	
0755	2250	24.4	1277	-19.3	1.03	0.19	5.99	16.30	
0800	3000	24.4	1279	-21.4	0.65	0.02	5.99	16.30	
0805	3750	24.5	1282	-22.3	0.29	0.02	5.99	16.30	
0810	4500	24.4	1284	-30.3	0.24	0.02	5.99	16.31	
0815	5250			-34.1	0.49	0.02	5.99	16.31	
0820	6000	24.7	1282	-46.9	0.55	0.02	5.99	16.32	
~~0825~~	~~6750~~ PWL	—	—	—	—	—	—	—	
0825	6750	24.7	1283	-49.3	0.48	0.02	5.99	16.33	
0830	Start	SAMPLE							
0850	SHUT	PUMP OFF							

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)
5. Sample Rate (mL/min)
6. Sample Appearance:
   - Turbidity
   - Color
   - Odor
7. Time to recharge (min):
8. Sample Time:
9. Parameter/Container/Pres.
   App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures:
    Alconox/DI Rinse
11. Instrument type: YSI ProSeries
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	AP MW-3D	Date/Time:	7/17/25 / 1030
Sample Number:		PID Readings: N/A	
Weather Conditions:	warm		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	12.87	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	54.90	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	56.94	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7500	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: mod	Turbidity: slight	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: cloudy			

± 3%	± 3%	± 10 MV	± 10% or 0.5	< 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1055	500	25.2	2017	-15.9	2.10	3590	5.64	12.89	
1100	1000	26.0	2028	-16.8	0.78	117.0	5.62	12.94	
1105	1500	26.5	2011	-14.9	0.54	67.0	5.62	~~12~~ 12.99	
1110	2000	28.0	2054	-20.7	0.44	44.7	5.64	13.02	
1115	2500	28.4	2140	-22.6	0.42	49.7	5.63	13.11	
1120	3000	28.4	2211	-24.3	0.39	60.0	5.60	13.17	
1125	3500	29.2	2267	-27.4	0.40	54.4	5.60	13.22	
1130	4000	29.5	2290	-28.3	0.40	44.2	5.60	13.23	
1135	4500	30.1	2308	-32.1	0.33	41.9	5.59	13.29	
1140	5000	30.0	2332	-31.8	0.33	38.2	5.58	13.33	
1145	5500	30.0	2336	-31.5	0.31	27.4	5.56	13.35	
1150	6000	30.0	2328	-31.1	0.30	14.7	5.56	13.38	
1200	6500	30.0	2321	-30.5	0.27	6.2	5.56	13.38	
1205	7000	29.7	2317	-30.1	0.29	4.05	5.56	13.41	
1210	7500	29.8	2320	-30.0	0.29	4.10	5.56	13.42	
~~1215~~	~~8000~~								
Sample @ 1215									
Pump off @ 1250									

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1215
3. Sampling Equip. Used	BP	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	7 sample bottles
Turbidity	Very low		
Color	Clear		
Odor	Mod		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

*WRC takes FB1 @ 1300

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWC
MW Identification: AP MW-4S		Date/Time: 7.18.25 /
Sample Number:		PID Readings: N/A
Weather Conditions: 89°F overcast		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	19.15	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	36.5	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	38.8	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor None Turbidity		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color Initial red tint			

±3%	±3%	±10MV	±10% ≥0.5	≤10	±0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1420	START PUMP	—	—	—	—	—	—	19.5	
1425	500	26.4	2964	-56.1	0.35	144	5.71	19.28	
1430	1000	26.1	2799	-53.0	0.29	56.8	5.66	19.30	
1435	1500	26.3	2303	-89.6	0.33	41.7	5.56	19.30	
1440	2000	25.9	2003	-77.4	0.23	38.5	5.18	19.30	
1445	2500	26.1	1792	-50.4	0.24	36.2	4.54	19.30	
1450	3000	25.7	1764	-39.1	0.40	32.3	4.40	19.30	
1455	3500	25.7	1762	-49.6	0.69	28.4	4.38	19.30	
1500	4000	25.6	1721	7.4	0.39	25.9	4.36	19.30	
1505	4500	25.3	1762	40.8	0.29	25.2	4.37	19.30	
1510	5000	25.3	1761	55.4	0.27	24.8	4.38	19.30	
1515	5500	25.2	1769	-46.6	0.33	23.2	4.37	19.31	
1520	6000	25.0	1766	-22.2	0.27	20.5	4.37	19.31	
1525	6500	23.0	1762	-30.2	0.63	19.4	4.37	19.31	
1530	7000	24.9	1761	-30.7	0.27	18.8	4.37	19.31	
1535	7500	24.8	1761	-48.1	0.23	14.2	4.36	19.32	
1540	8000	24.7	1758	-41.4	0.21	12.8	4.37	19.32	
1545	8500	24.8	1755	-40.1	0.21	10.9	4.36	19.31	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES
Sampler Name(s): PWC
MW Identification: AP MW-4S
Date/Time: 7.18.25
Sample Number:
PID Readings: N/A
Weather Conditions: 89°F, overcast
Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ 60.2.	Notes
1550	9000	24.8	1750	-37.9	0.31	9.9	4.35	19.31	
1555	9500	24.9	1751	-42.0	0.42	9.0	4.33	19.31	
1600	10000	24.9	1748	-46.3	0.28	9.86	4.34	19.31	
1605	Sample								
1610	shut off pump - clean up - done for day								

7/21/2025

AP

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	~~7/20/25~~ 0900
Sample Number:	~~SSP~~ MW-5D	PID Readings: N/A	
Weather Conditions:	Hot		
Wellhead Inspection:	good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.48	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	54.0	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	~~56.10~~	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	2500	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	-
Odor: none	Turbidity: Cloudy	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color:			

	± 3%	± 3%	± 10 MV	± 10% ≥0.5	<10	± 0.1	WL	
Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0925	500	26.5	8200	-1.2	1.50	547	4.14	15.78	Tubing in well
0930	1000	26.4	8220	0.4	1.00	401	4.11	15.80	~10 min delay
0935	1500	26.4	8190	13.3	1.16	330	4.10	15.85	in sampling
0940	2000	26.4	8120	37.8	1.13	98.4	4.08	15.85	
0945	2500	26.2	8070	53.2	1.07	79.7	4.06	15.96	
0950	3000	26.8	8040	71.4	1.82	62.8	4.05	15.86	
0955	3500	27.1	8030	92.6	2.09	52.0	4.05	15.96	Adjust flow through cell
1000	4000	26.9	8100	104.1	0.98	39.9	4.05	15.87	
1005	4500	26.7	8200	109.9	1.01	28.1	4.06	15.89	
1010	5000	26.6	8210	113.8	1.06	21.3	4.08	15.89	
1015	5500	26.4	8260	111.4	1.06	17.6	4.08	15.89	
1020	6000	26.3	8290	108.0	1.05	15.4	4.10	15.88	
1025	6500	26.2	8310	106.1	1.06	13.4	4.10	15.88	
1030	7000	26.1	8320	102.0	1.09	12.7	4.11	15.89	
1035	7500	26.6	8330	102.1	1.11	9.4	4.12	15.88	
1040	8000	26.9	8350	102.3	1.12	7.2	4.13	15.89	
1045	8500	26.8	8350	102.4	1.10	8.23	4.12	15.89	
1050	Sample Pump off		1125						

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	-
2. Sample Filtered?	Yes / (No)	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 7/20/25

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	7/18/25 1020
Sample Number:	AP~~SS~~ MW-75	PID Readings: N/A	
Weather Conditions:	Warm 81°		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	21.35	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	36.7	7. Water Level Measuring Equip.	Heron
3. Bottom of casing (±0.01 ft.)	38.75	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: None	Turbidity: Moderate	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: Cloudy			

± 3%	± 3%	± 10 MV	± 10% <0.5	<10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1020	6975	Pump on							
								22.80	Hose left in well.
1025	500	25.2	6490	-3.19	1.07	72.4	6.55	23.20	
1030	1000	25.0	6430	-18.4	.97	73.7	6.48	23.56	
1035	1500	24.8	6390	-27.2	.78	75.6	6.40	23.80	
1040	2000	24.8	6240	-13.4	.84	104	6.02	24.43	
1045	2500	24.7	5870	-1.1	1.11	96.2	5.66	24.78	
1050	3000	24.5	5820	14.8	1.09	73.4	5.55	25.06	
1055	3500	24.5	5780	52.0	1.06	68.3	5.40	25.40	
1100	4000	24.7	5780	74.4	1.06	60.1	5.38	25.72	
1105	4500	24.7	5780	97.1	1.08	58.7	5.36	26.28	
1110	5000	24.7	5770	109.4	1.08	49.8	5.37	26.59	
1115	5500	24.7	5770	129.8	1.10	46.1	5.36	26.96	
1120	6000	24.5	5780	139.4	1.20	42.8	5.36	27.42	
1125	6500	24.5	5780	152.6	1.51	44.7	5.36	27.75	
1130	7000	24.6	5780	159.4	1.24	40.9	5.37	27.94	
1135	7500	24.6	5780	160.6	1.12	39.5	5.37	28.15	
1140	8000	24.7	5790	167.4	1.14	33.8	5.36	28.15	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / (No)	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:			
Turbidity	Low	9. Other Information:	Very low recharge @ low purge rate
Color	Clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	7/16/25 1020
Sample Number:	551AP MW-75	PID Readings: N/A	
Weather Conditions:	Hot 85°		
Wellhead Inspection:			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1145	8500	24.8	5770	176.3	1.11	21.9	5.33	28.08	
1150	9000	24.8	5770	179.2	1.10	19.2	5.32	28.10	
1155	9500	25.0	5760	183.1	1.08	9.55	5.32	28.11	
1200	10000	25.0	5770	185.6	1.06	6.48	5.31	28.11	
1205	10500	25.1	5776	187.4	1.03	3.74	5.30	28.12	
1205	Sample								
1235	Pump	OFF							
Equipment Decon									
			WRC Tubes	EB-1	@ 1300.				

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	
Sample Number:	AP MW-7D	PID Readings: N/A	
Weather Conditions:	Hot 90°		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	25.08	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	55.3	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	57.35	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	-
Odor: none	Turbidity: slight	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color:			

	± 3%	± 3%	± 10 MV	± 10% <0.5	<10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
~~Start pump 1345~~		1350							
									Hose/Tubing in well
1400	1000	27.0	5230	-67.0	3.5	68.3	6.84	25.80	
1405	1500	26.3	5210	-84.3	8.4	61.7	6.92	26.42	
1410	2000	25.8	5170	-102.9	12.7	59.0	6.98	27.06	
1415	2500	25.8	5170	-96.4	4.81	41.3	6.99	27.62	
1420	3000	25.8	5170	-92.4	2.02	21.3	6.98	28.24	
1425	3500	26.2	5170	-84.2	2.26	19.4	6.97	28.67	
1430	4000	26.7	5190	-75.0	2.44	17.6	6.97	29.05	
1435	4500	26.3	5180	-72.8	2.44	16.4	6.96	29.74	
1440	5000	26.2	5180	-67.5	2.47	14.5	6.96	30.25	
1445	5500	26.1	5180	-62.4	2.38	12.8	6.96	30.68	
1450	6000	26.1	5180	-59.4	2.31	6.01	6.94	31.20	
1455	6500	26.0	5190	-60.3	2.26	7.41	6.94	31.52	
1500	7000	26.1	5190	-61.8	2.04	8.25	6.94	31.91	
~~Sample @ 1500~~									
	Pump off @ 1540								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	-
2. Sample Filtered?	Yes / (No)	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:			
Turbidity	Very low	9. Other Information:	Very slow recharge even @ ~~slow~~ low purge rate
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

WRC collects FB-02 @1600.

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):
MW Identification: AP CC-1		Date/Time: 7.29.25 / 1025
Sample Number:		PID Readings: N/A
Weather Conditions: 83°F, partly cloudy		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	6.18	7. Purge Rate (mL/min)	150 PWC
2. Intake Depth (±0.01 ft.)	27.01	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	29.49	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)		9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor _____ Turbidity		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color _____			

	± 3%	± 3%	± 10 MV	± 10% ≥0.5	<10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0940	START	Pump						6.18	6.18
0945	750	25.6	9467	-132.2	1.37	23.7	4.82	7.80	150 ml/m
0950	1,500	25.3	9484	-119.2	0.29	12.3	4.82	8.32	
0955	2250	25.4	9467	-107.9	0.21	10.8	4.81	8.68	
1000	3000	25.5	9484	-99.3	0.21	5.20	4.80	8.48	
1005	3750	25.4	9472	-94.3	0.17	2.76	4.80	9.31	
1010	4,500	25.4	9487	-88.0	0.19	3.14	4.79	9.49	
1015	5250	25.2	9497	-84.5	0.17	5.11	4.79	9.65	
1020	6000	25.1	9500	-82.3	0.30	3.02	4.78	9.76	
1025	Start Sample								
1055	Stop Pump								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWC
MW Identification:	AP PZ-45	Date/Time:	7.18.25 / 1240
Sample Number:		PID Readings: N/A	
Weather Conditions:	87°F, cloudy		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	12.13	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	36.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	38.80	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

	± 3%	± 3%	± 10 MV	± 10% or 0.5	< 10	± 0.1	WL	
Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1155	START	Pump	—	—	—	—	—	12.13	
1200	500	26.4	10529	48.7	1.93	8.11	6.39	13.10	
1205	1000	26.4	10470	52.3	0.43	7.23	6.41	13.70	
1210	1500	26.2	10459	52.6	0.51	10.00	6.42	14.08	
1215	2000	26.2	10380	46.1	0.47	10.03	6.42	14.70	
1220	2500	26.2	10375	6.9	0.45	7.48	6.42	15.34	
1225	3000	26.4	10377	-10.6	0.40	7.00	6.42	15.75	
1230	3500	26.1	10379	-11.2	0.35	5.01	6.42	16.34	
1235	4000	26.1	10373	-13.5	0.47	3.74	6.42	16.95	
1240	SAMPLE								
1320	STOP PUMP								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Low		
Color	Clear		
Odor	No		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	7/21/2025 0700
Sample Number:	AP PZ-4	old well	PID Readings: N/A
Weather Conditions:	80°		
Wellhead Inspection:	overgrown		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / (No)
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	12.98	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	44.5	7. Water Level Measuring Equip.	Solinst
3. Bottom of casing (±0.01 ft.)	46.41	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	4000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: Clear, Low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

	± 3%	± 3%	± 10 MV	± 10% or ± 0.5	< 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0720	500	24.7	7330	-58.7	3.14	44.2	8.38	15.55	start purging
0725	1000	24.5	7290	-75.9	1.78	31.5	8.71	16.79	
0730	1500	24.1	7260	-70.4	1.64	20.4	8.66	17.98	
0735	2000	23.4	7250	-66.2	1.55	16.2	8.61	19.00	
0740	2500	23.5	7250	-68.1	1.49	10.1	8.60	20.42	
0745	3000	23.7	7260	-69.1	1.37	5.59	8.60	23.10	
0750	3500	23.9	7260	-70.4	1.52	4.29	8.59	24.68	
0755	4000	23.7	7250	-71.2	1.41	3.53	8.58	25.98	
0800	Sample								
Pump off 0830									

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0800
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:			
Turbidity	Very low	9. Other Information:	Slow recharge @ 100 ml/min
Color	Clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 7/21/2025

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWC
MW Identification:	SFL MW-1s contingency	Date/Time:	7-21-2025 / 1240
Sample Number:		PID Readings: N/A	
Weather Conditions:	89°F, Pthy Cloudy		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	17.43	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	28.5	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	30.8	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

	± 3%	± 3%	± 10 MV	± 10% ≤ 0.5	≤ 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1155	START	PUMP	—	—	—	—	—	17.43	
1200	750	25.2	9185	-9.8	0.51	22.9	4.05	17.75	
1205	1,500	24.9	9140	0.7	0.27	16.9	4.05	17.80	
1210	2250	25.0	9102	-4.9	0.21	14.3	4.06	17.82	
1215	3000	24.9	9033	-6.2	0.21	13.9	4.07	17.84	
1220	3750	25.1	9003	-6.1	0.21	13.3	4.10	17.85	
1225	4500	25.2	8959	-29.1	0.21	9.98	4.13	17.86	
1230	5250	25.1	8890	-30.3	0.22	6.38	4.13	17.87	
1235	6000	25.1	8826	-32.7	0.21	5.13	4.14	17.88	
1240	START	SAMPLING							
1200	Shut Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): AWC
MW Identification: SFL MW-2D		Date/Time: 7.22.25 / 0805
Sample Number:		PID Readings: N/A
Weather Conditions: 81°F, partly cloudy		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	4.12	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	55.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	57.43	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	3500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

	± 3%	± 3%	± 10 MV	± 10% or ≤ 0.5	< 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0725	Start Pump	—	—	—	—	—	—	4.12	
0730	500	25.0	6839	61.3	1.45	15.3	5.56	5.91	
0735	1000	25.2	6830	66.6	0.49	7.81	5.56	7.05	
0740	1500	25.3	6835	70.0	0.49	9.02	5.56	7.62	
0745	2000	25.4	6827	71.9	0.41	8.57	5.56	8.45	
0750	2500	25.4	6826	73.1	0.38	5.27	5.57	9.31	
0755	3000	25.0	6826	71.8	0.37	9.65	5.57	10.11	
0800	3500	25.0	6828	72.5	0.35	9.28	5.57	10.80	
0805	SAMPLE								
0840	STOP PUMP								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0805
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	
Turbidity	low		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	NRC
MW Identification:	SFL MW-3D	Date/Time:	7/22/25 0715
Sample Number:		PID Readings: N/A	
Weather Conditions:			
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 19.78
2. Intake Depth (±0.01 ft.) 59.2
3. Bottom of casing (±0.01 ft.) 61.18
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL)
6. Purge Water Characteristics:
   - Odor: None
   - Color: Light Brown
   - Turbidity: Very Cloudy
7. Purge Rate (mL/min) 100
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer —
12. Drive Gas (Air/Nitrogen) (AIR) / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
	± 3%	± 3%	± 10 MV	± 10% < 0.5	< 10	± 0.1	WL		
0810	500	24.5	6420	-68.7	2.38	647	6.75	20.15	Tubing in Well
0815	1000	24.4	6420	-95.0	0.86	397	6.73	20.18	
0820	1500	24.4	6360	-96.2	0.75	218	6.73	20.20	
0825	2000	24.3	6350	-98.5	0.68	102	6.74	20.22	
0830	2500	24.4	6350	-96.1	0.61	93.6	6.75	20.25	
0835	3000	24.4	6370	-94.6	0.59	87.8	6.75	20.27	
0840	3500	24.5	6360	-91.2	0.56	87.1	6.76	20.29	
0845	4000	24.6	6330	-88.4	0.53	82.3	6.76	20.31	Very cloudy @ 0850
0850	4500	24.7	6310	-83.1	0.42	574	6.77	20.34	
0855	5000	25.1	6290	-73.7	0.41	517	6.77	20.38	
0900	5500	25.1	6310	-69.4	0.41	501	6.77	20.40	
0905	6000	25.2	6290	-65.1	0.41	483	6.77	20.42	
0910	6500	25.2	6300	-63.7	0.39	468	6.77	20.45	
0915	7000	25.4	6250	-68.3	0.99	225	6.77	20.47	
0920	7500	25.3	6260	-70.1	0.62	220	6.77	20.47	
0925	8000	25.3	6280	-72.3	0.49	210	6.78	20.47	
0930	8500	25.3	6300	-74.3	0.98	205	6.77	20.45	

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? (Yes) / No
3. Sampling Equip. Used BP
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)
5. Sample Rate (mL/min) 100
6. Sample Appearance:
   - Turbidity High
   - Color Cloudy
   - Odor None
7. Time to recharge (min): —
8. Sample Time:
9. Parameter/Container/Pres.: App. III and App. IV CCR Parameters; Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
Calibration Date: 7/22/2025
Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	SFL MW-3D	Date/Time:	7/22/25
Sample Number:		PID Readings: N/A	
Weather Conditions:	Hot		
Wellhead Inspection:			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0935	9000	25.4	6270	-78.0	0.31	140	6.77	20.45	
0940	9500	25.3	6260	-79.4	0.30	169	6.77	20.45	
0945	10000	24.9	6250	-80.0	0.29	162	6.77	20.46	
0950	10500	24.7	6250	-80.4	0.27	159	6.77	20.46	
0955	11000	24.9	6240	-80.7	0.27	160	6.77	20.46	
1000	11500	25.3	6240	-81.1	0.28	190	6.78	20.47	
1005	12000	25.3	6230	-81.6	0.30	182	6.78	20.48	
Sample @ 1010									
Stop pump @ 1040									
	WRC takes EB-2 @ 1100								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PLM
MW Identification: SFL MW-4S		Date/Time: 7.21.25 / 1540
Sample Number:		PID Readings: N/A
Weather Conditions: 94°F Sunny		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	~~Yes~~ / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.45	7. Purge Rate (mL/min)	100 ml
2. Intake Depth (±0.01 ft.)	22.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	~~23~~ 22.24	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None	Turbidity: Low to <10NTU	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

± 3%	± 3%	± 10 MV	± 10% or 0.5	<10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1450	START	PUMP	–	–	–	–	–	15.45	100 ml/min
1455	500	28.8	13149	-61.5	1.01	26.9	4.45	15.74	
1500	1000	28.5	13141	-51.0	0.52	25.1	4.45	15.97	
1505	1500	28.7	13134	-42.8	0.48	24.3	4.45	16.15	
1510	2000	28.4	13090	-36.6	0.50	20.1	4.46	16.30	
1515	2500	28.4	13088	-35.8	0.49	12.3	4.47	16.43	
1520	3000	28.3	13090	-36.1	0.42	11.1	4.47	16.55	
1525	3500	28.4	13098	-36.9	0.30	9.81	4.47	16.66	
1530	4000	28.1	13093	-37.8	0.26	8.17	4.48	16.71	
1535	4500	27.7	13122	-90.8	0.26	8.00	4.49	16.75	
1540	Start Sampling	–	–	–	–	–	–	–	–
1610	Shut Pump Off								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	SFL MW-5D	Date/Time:	7/21/25 1200
Sample Number:	SFL	PID Readings: N/A	
Weather Conditions:	Hot 91°		
Wellhead Inspection:	new		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	14.80	7. Purge Rate (mL/min)	80
2. Intake Depth (±0.01 ft.)	65.0	7. Water Level Measuring Equip.	Solinst
3. Bottom of casing (±0.01 ft.)	67.11	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	10,000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: murky		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: brown			

±3%	±3%	±10 MV	±10% ≥0.5	<10	±0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1235	400	27.6	4870	-67.9	1.17	507	7.36	25.25	Tubing Off in well, delay in purging
1240	800	27.6	4870	-79.2	1.02	318	7.40	26.49	
1245	1200	22.5	4870	-93.5	0.94	135	7.43	27.35	
1250	1600	27.8	4870	-96.2	0.97	111.8	7.45	27.83	
1255	2000	28.5	4890	-100.5	1.03	90.3	7.47	28.41	
1300	2400	28.6	4890	-100.5	1.01	86.2	7.47	28.97	
1305	2800	28.9	4880	-100.2	0.98	78.5	7.47	29.55	
1310	3200	29.1	4880	-99.6	0.97	73.8	7.47	29.84	
1315	3600	29.6	4870	-98.9	0.97	68.4	7.45	30.21	
1320	4000	28.4	4890	-98.6	0.91	62.2	7.47	30.50	
1325	4400	28.5	4900	-98.5	0.81	59.8	7.45	30.70	
1330	4800	28.6	4890	-98.2	0.75	51.6	7.44	30.98	
1335	5200	28.6	4890	-97.6	0.71	46.3	7.44	31.32	
1340	5600	28.6	4870	-97.1	0.60	44.3	7.42	31.60	
1345	6000	28.5	4900	-98.7	0.46	54.0	7.41	31.90	
1350	6400	28.6	4910	-95.3	0.58	46.1	7.40	32.10	
1355	6800	28.6	4916	-96.4	0.89	44.4	7.40	32.30	
1400	7200	28.6	4920	-92.6	1.19	42.3	7.42	32.40	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1440
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color			
Odor	Non		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

WRC takes FB-03 @ 1330

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES		Sampler Name(s): WAC
MW Identification:	SFL MW-5D	Date/Time: 7.21.25 /
Sample Number:		PID Readings: N/A
Weather Conditions:	91°	
Wellhead Inspection:		

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1405	7600	28.5	4910	-84.6	1.34	40.1	7.41	32.47	
1410	8000	28.5	4890	-87.1	0.53	38.5	7.40	32.61	
1415	8400	28.5	4880	-88.0	0.45	33.3	7.39	32.79	
1420	8800	28.6	4880	-89.7	0.45	33.4	7.37	[redacted]	32.87
1425	9200	28.6	4880	-92.0	0.45	32.0	7.37	32.98	
1430	9600	28.7	4870	-91.3	0.53	29.2	7.36	33.07	
1435	10000	28.7	4870	-91.2	0.59	26.8	7.36	33.15	
Sample 1440									
	1520 Pump off								

SFL

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: GCSES	Sampler Name(s):
	MW Identification: ~~SIF~~ MW-6D	Date/Time:
	Sample Number:	PID Readings: N/A
	Weather Conditions:	
	Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	68.95	7. Purge Rate (mL/min)	~50
2. Intake Depth (±0.01 ft.)	73.0	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	74.9	8. Purge Equipment Used	BP
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	2250	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: mono	Turbidity: high	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: brown			

	± 3%	± 3%	± 10 MV	± 10% ≥ 0.5	< 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1130								68.70	Tubing in well
1140	500	26.6	5860	-36.3	35.6	896	7.35	69.00	
1145	750	26.7	5910	-39.9	0.4	845	7.35	69.58	
1150	1000	26.5	5760	-41.8	0.43	157	7.33	69.70	
1155	1250	26.4	5780	-42.1	0.43	159	7.33	70.25	
1200	1500	26.4	5816	-43.9	0.49	164	7.33	70.66	
1205	1750	26.3	5780	-44.8	0.45	137	7.32	71.21	
1210	2000	26.2	5800	-47.2	0.38	101	7.29	71.84	
1215	2250	~~26.2~~ 26.2	5820	-49.8	0.41	71.6	7.29	72.61	--intermittent flow from well
1215-1315	monitor recharge ~ 0.58'							72.03	

1. Well evacuated to dryness?	(Yes) / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	N/A
3. Sampling Equip. Used	BP	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	50		
6. Sample Appearance:		9. Other Information:	
Turbidity	Moderate		
Color	Light Brn		
Odor	mon		No sample taken

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 7/22/25

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	Puc
MW Identification:	SFL MW-7S	Date/Time:	7-22-25 / 1005
Sample Number:		PID Readings:	N/A
Weather Conditions:	82°, Pt Cld, Humid		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	14.77	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	27.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	29.15	8. Purge Equipment Used	Peristl.
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	7000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None	Turbidity: Low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

	± 3%	± 3%	± 10 MV	± 10% < 0.5	< 10	± 0.1	WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0925	START	Pump	-	-	-	-	-	14.77	
0930	1000	24.9	17025	19.0	0.61	9.09	5.50	15.20	
0935	2000	24.7	17042	-77.9	0.43	4.27	5.51	15.20	
0940	3000	24.8	16766	-80.6	0.24	1.01	5.54	15.20	
0945	4000	24.7	16312	6.2	0.31	0.63	5.57	15.21	
0950	5000	24.7	15666	24.9	0.48	0.05	5.61	15.21	
0955	6000	24.7	15425	26.2	0.50	0.90	5.62	15.21	
1000	7000	24.9	15399	26.6	0.49	1.15	5.64	15.22	
1005	SAMPLE								
1025	Stop Pump								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1005
3. Sampling Equip. Used	Peristl.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	
Turbidity	Low		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PJC
MW Identification: SFL MW-85		Date/Time: 7.22.25 / 1345
Sample Number:		PID Readings: N/A
Weather Conditions:	91°F, very humid & hot	
Wellhead Inspection:	Good	

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 11.38
2. Intake Depth (±0.01 ft.) 21.00
3. Bottom of casing (±0.01 ft.) 23.01
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 3825
6. Purge Water Characteristics:
   - Odor: None
   - Color: Clear
   - Turbidity: Low
7. Purge Rate (mL/min) 125
7. Water Level Measuring Equip.
8. Purge Equipment Used: Peristaltic
9. Dedicated? (Yes/No): Yes / No
10. Immiscibility layer? Yes / No
11. Thickness of immiscible layer
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
		± 3%	± 3%	± 10 MV	± 10% ≤ 0.5	< 10	± 0.1	WL	
1310	START Pump	—	—	—	—	—	—	11.38	125 ml/min
1315	625	27.1	5980	-64.6	0.78	8.83	3.95	10.63	
1320	1250	26.9	5966	-59.2	0.79	9.46	3.97	11.64	
1325	1900	27.3	5969	-57.9	0.24	8.08	3.99	11.63	
1330	2550	27.0	5966	-57.4	0.22	6.65	3.99	11.64	
1335	3200	27.0	5965	-59.3	0.20	5.40	4.01	11.64	
1340	3825	26.9	5967	-58.5	0.19	5.01	4.01	11.64	
1345	SAMPLE								
1415	Shut pump off								

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used: Peristaltic
4. Drive Gas (Air/Nitrogen): AIR/NITROGEN (N/A)
5. Sample Rate (mL/min): 125
6. Sample Appearance:
   - Turbidity: Low
   - Color: Clear
   - Odor: None
7. Time to recharge (min):
8. Sample Time: 1345
9. Parameter/Container/Pres.: App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

7-22-2025

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	RVC
MW Identification:	SFL MW-8 D	Date/Time:	~~10-22-25~~ / 1530
Sample Number:		PID Readings: N/A	
Weather Conditions:	93° F, hot, pthy cldy		
Wellhead Inspection:	Good		

1600 for FD-3

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	10.00	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	44.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	46.66	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

	± 3%	± 3%	± 10 MV	± 10% < 0.5	< 10	± 0.1	WL	
Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1445	Pump on	—	—	—	—	—	—	10.00	
1450	750	27.9	2939	-6.3	0.56	9.34	6.54	11.35	
1455	1500	27.9	2847	-3.6	0.51	9.99	6.64	11.56	
1500	2250	27.8	2704	-53.4	0.63	5.60	6.64	11.82	
1505	3000	27.6	2684	-105.4	0.41	5.91	6.64	12.02	
1510	3750	27.2	2652	-39.6	0.42	9.89	6.65	12.16	
1515	4500	27.6	2685	-39.8	0.59	9.11	6.65	12.19	
1520	5250	27.1	2695	-42.5	0.40	9.89	6.65	12.25	
1525	6000	27.5	2684	-43.5	0.39	9.94	6.65	12.29	
1530	Sample								
1625	Shut pump off								
			Note: Dup on MW-8D						
					designated			FD-3	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1530 8D
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	1600 Dup
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)	App. III and App. IV CCR Parameters	
5. Sample Rate (mL/min)	150	Na, Mg, K, Fe, Al, Alkalinity	
6. Sample Appearance:			
Turbidity	Low	9. Other Information:	
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	RWC
MW Identification:	MW-15D	Date/Time:	7-22-25 / 1205
Sample Number:		PID Readings: N/A	
Weather Conditions:	87°F, mtly cloudy, hot/humid		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	5.59	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	58.15	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	57.45	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	9000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

	± 3%	± 3%	± 10 MV	± 10% ≥ 0.5	< 10	± 0.1	WL	
Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1115	START PUMP		—	—	—	—	—	5.59	
1120	1000	26.4	4035	-167.6	1.39	1.87	6.58	6.50	
1125	2000	26.1	4036	-173.5	5.58	3.41	6.58	6.57	
1130	3000	26.0	4036	-176.8	0.41	2.72	6.58	6.58	
1135	4000	26.0	4030	-170.4	0.38	2.03	6.58	6.54	
1140	5000	25.9	4022	-160.9	0.32	1.48	6.59	6.62	
1145	6000	25.7	4059	-151.9	0.30	1.47	6.61	6.63	
1150	7000	25.8	4399	-142.2	0.31	0.99	6.48	6.64	
1155	8000	25.7	4410	-149.9	0.33	1.01	6.46	6.66	
1200	9000	25.7	4430	-150.4	0.31	1.43	6.47	6.67	
1205	SAMPLE								
1225	Shut pump off								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1205
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	
Turbidity	low		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

August 2025 Event

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	SSP ~~EB~~ MW-2D	Date/Time:	8/26/25 0810
Sample Number:		PID Readings: N/A	
Weather Conditions:	Warm 83°		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	23.36	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	62.88	7. Water Level Measuring Equip.	Solinst
3. Bottom of casing (±0.01 ft.)	64.88	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	17,250	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	~
Odor: none Turbidity: Murky		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Lt Brn	±3% ±3%	±10mV <0.5 <10 ±0.1	

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown (ft)	Notes
0810	Pump on							22.7	
0820	1500	22.7	10265	-155.2	.68	423	5.81	26.29	
0825	2250	22.6	10252	-172.2	.33	352	5.80	26.58	
0830	3000	22.7	10243	-181.0	.22	300	5.80	26.98	
0835	3750	22.7	10233	-190.2	.16	208	5.78	27.69	
0840	4500	22.9	10228	-200.0	.14	143	5.77	28.45	
0845	5250	23.1	10213	-204.6	.13	137	5.76	28.86	
0850	6000	23.2	10201	-207.8	.13	131	5.76	29.20	
0855	6750	23.1	10203	-209.1	.13	131	5.76	29.47	
0900	7500	23.1	10199	-210.6	.11	127	5.76	29.72	
0905	8250	23.1	10189	-211.1	.11	132	5.76	29.85	
0910	9000	23.2	10183	-211.5	.10	130	5.76	29.99	
0915	9750	23.2	10182	-211.5	.10	124	5.76	30.12	
0920	10500	23.2	10180	-211.9	.10	113	5.76	30.25	
0925	11250	23.4	10163	-212.1	.10	107	5.76	30.38	
0930	12000	23.4	10152	-212.2	.10	95.5	5.76	30.50	
0935	12750	23.5	10143	-211.4	.10	86.4	5.76	30.56	
0940	13500	23.7	10136	-210.9	.10	81.8	5.76	30.60	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1010
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

* WRC collects EB1 @ 1100

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES | Sampler Name(s): WRC
MW Identification: SSF MW-2D | Date/Time: 8/26/25 0810
Sample Number: | PID Readings: N/A
Weather Conditions:
Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0945	14250	23.6	10138	-209.4	.10	74.6	5.76	30.62	
0950	15000	23.7	10134	-208.1	.10	72.3	5.76	30.64	
0955	15750	23.8	10137	-205.2	.15	66.2	5.76	30.65	
1000	16500	23.9	10135	-202.2	.17	54.4	5.77	30.68	
1005	17250	23.9	10131	-200.7	.17	50.1	5.77	30.69	
1010	Begin Sample								
1040	Pump off								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	SSP MW-3D	Date/Time:	8/26/25 1140
Sample Number:		PID Readings: N/A	
Weather Conditions:	Hot		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	27.64	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	58.50	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	60.50	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3% ±3% ±10mV <0.5 <10 ±0.1 mg/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1145	Pump on							29.25	
1150	500							29.72	
1155	1000	25.2	7680	-33.9	1.16	83.8	4.79	30.34	
1200	1500	24.6	7529	-21.4	0.34	41.4	4.80	30.69	
1205	2000	24.6	7496	-17.9	.26	38.2	4.79	31.06	
1210	2500	24.7	7487	-14.2	.23	34.0	4.78	31.21	
1215	3000	24.9	7460	-11.1	.22	32.3	4.76	31.45	
1220	3500	24.6	7472	-6.2	.22	29.6	4.76	31.46	
1225	4000	24.5	7470	-2.5	.21	25.9	4.75	31.48	
1230	4500	24.7	7472	8.2	.21	25.7	4.75	31.51	
1235	5000	24.9	7476	18.2	.19	22.2	4.73	31.57	
1240	5500	24.7	7472	20.9	.19	20.4	4.73	31.52	
1245	6000	24.6	7460	24.2	.18	19.8	4.73	31.52	
1250	6500	24.5	7460	29.2	.18	17.6	4.72	31.51	
1255	7000	24.8	7480	35.2	.18	12.8	4.72	31.52	
1300	7500	24.7	7475	34.0	.18	12.0	4.71	31.51	
1305	8000	24.7	7474	35.2	.17	9.7	4.71	31.51	
1310	8500	24.5	7479	39.1	.17	9.1	4.71	31.57	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

* WRC collects FB-2 @ 1240

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES | Sampler Name(s): WRC

MW Identification: SSD MW-3D | Date/Time: 8/26/25

Sample Number: | PID Readings: N/A

Weather Conditions:

Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ w/L	Notes
1315	9000	24.4	7543	42.1	.17	7.79	4.71	31.51	
1320	Begin Sampling								
1350	Pump off								

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: GCSES	Sampler Name(s): PWL
	MW Identification: SSP - MW-4S	Date/Time: 8.25.25 /
	Sample Number:	PID Readings: N/A
	Weather Conditions: 92°F, Partly Cldy, Humid	
	Wellhead Inspection: Good	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	26.38	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	35.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	37.10	8. Purge Equipment Used	
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3% ±3% ±10mV <0.5 <10 ±0.1 w.l.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1355	Start Pump	—	—	—	—	—	—	26.38	
1400	500	27.0	5554	-26.6	0.85	0.60	3.57	26.43	
1405	1000	26.8	5523	-74.8	0.66	0.02	3.58	26.42	
1410	1500	27.4	5534	-64.3	0.56	2.36	3.58	26.41	
1415	2000	27.3	5561	-60.4	0.53	3.00	3.57	26.40	
1420	2500	27.0	5540	-64.5	0.46	3.19	3.57	26.40	
1425	3000	27.1	5542	-64.3	0.43	2.28	3.57	26.40	
1430	3.500	27.1	5542	-64.7	0.41	2.15	3.57	26.39	
1435	Start sampling								
1500	Stop pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1435
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWC
MW Identification:	SSP MW-5S	Date/Time: 8.25.25 /
Sample Number:		PID Readings: N/A
Weather Conditions:	87°F PHy Cldy, Humid	
Wellhead Inspection:	Good	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	20.00	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	42.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	44.15	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6, Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1130	START	Pump	–	–	–	–	–	20.00	
1135	1000	23.4	7347	-79.4	0.36	3.93	5.04	20.72	
1140	2000	23.3	7300	-73.4	0.35	3.48	5.04	20.81	
1145	3000	23.4	7250	-73.1	0.33	3.04	5.04	20.89	
1150	4000	23.6	7175	-74.8	0.27	2.04	5.04	20.92	
1155	5000	23.6	7163	-71.8	0.31	1.95	5.04	20.96	
1200	6000	23.6	7154	-71.1	0.33	1.49	5.04	21.00	
1205	7000								
1210	Start Sample								
1257	Stop Pump		Note: Dup	SSP	MW	-5S			
			↳	SSP	MW1	-5S	(FD-1)		Time: 1215

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1210
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	SSP MW-5D	Date/Time:	8/28/25 0740
Sample Number:		PID Readings: N/A	
Weather Conditions:	Warm 78°F		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	23.78	7. Purge Rate (mL/min)	~125
2. Intake Depth (±0.01 ft.)	62.45	7. Water Level Measuring Equip.	Decfect
3. Bottom of casing (±0.01 ft.)	64.45	8. Purge Equipment Used	Bladde
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	11,875	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: more Turbidity: Cloudy		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: —			

±3% ±3% ±10mV <0.5 <10 ±0.1 N/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0745	Pump On							24.45	
0750	625	23.7	4848	-74.6	.68	124	6.78	24.45	
0755	1250	23.8	4825	-86.5	.49	79.9	6.77	24.49	
0800	1875	23.8	4824	-93.9	.46	87.0	6.77	24.56	
0805	2500	24.0	4822	-110.4	.45	74.2	6.78	24.62	
0810	3125	24.1	4830	-136.2	.38	83.4	6.78	24.70	
0815	3756	24.1	4837	-158.4	.35	75.2	6.78	24.80	
0820	4375	24.2	4843	-172.3	.34	82.1	6.78	24.82	
0825	5000	24.4	4853	-188.6	.33	77.6	6.78	24.88	
0830	5625	24.7	4855	-196.2	.35	77.2	6.78	24.93	
0835	6250	24.8	4859	-203.9	.37	77.4	6.78	24.98	
0840	6875	25.0	4864	-209.4	.38	77.9	6.78	24.99	
0845	7500	25.2	4879	-217.8	.38	78.3	6.78	25.02	
0850	8125	25.2	4880	-220.1	.35	75.2	6.78	25.09	
0855	8750	25.4	4883	-223.5	.32	74.7	6.78	25.14	
0900	9375	25.6	4892	-225.1	.32	75.6	6.78	25.14	
0905	10000	25.7	4894	-226.0	.34	74.5	6.78	25.16	
0910	10,625	258	4896	-228.1	.32	72.3	6.78	25.18	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	(Yes) / No	8. Sample Time:	0925
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity	Slightly Cloudy		
Color			
Odor	Mor		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

WRC collects FB-4 @ 0810.

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	SSP MW-~~55~~5D	Date/Time:	8/28/25
Sample Number:		PID Readings: N/A	
Weather Conditions:			
Wellhead Inspection:			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ W/L	Notes
0915	11250	26.1	4893	-230.5	.30	71.0	6.78	25.20	
0920	11875	26.1	4890	-231.2	.30	73.8	6.78	25.22	
0925	Sample								
1000	Pump off								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWC
MW Identification:	SSP MW-6S	Date/Time: 8.25.25 / 1030
Sample Number:		PID Readings: N/A
Weather Conditions:	90° F, Ptly Cldy	
Wellhead Inspection:	Good	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	7.64	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	36.50	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	36.88	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	12000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0925	START	PUMP	-	-	-	-	-	7.64	7.64
0930	1000	24.0	8005	-92.3	0.70	56.3	5.23	8.73	
0935	2000	24.1	8020	-85.7	0.27	50.0	5.20	8.94	
0940	3000	24.1	8039	-84.4	0.25	42.1	5.17	8.94	
0945	4000	24.1	8038	-84.6	0.30	42.0	5.16	8.95	
0950	5000	24.3	8115	-82.4	0.31	37.7	5.13	8.95	
0955	6000	24.3	8210	-78.2	0.32	37.0	5.11	8.96	
1000	7000	24.0	8197	-78.0	0.40	32.3	5.10	8.96	
1005	8000	23.9	8287	-83.1	0.45	28.8	5.09	9.00	
1010	9000	24.3	8264	-101.1	0.43	12.7	5.09	9.02	
1015	10000	24.2	8260	-102.1	0.38	8.51	5.08	9.03	
1020	11000	24.1	8269	-99.8	0.32	7.74	5.07	9.04	
1025	12000	24.0	8260	-99.7	0.29	6.61	5.08	9.04	
1030	Start Sample	-	-	-	-	-	-	-	
1045	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1030
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWL
MW Identification:	SSP MW-60	Date/Time:	8-25-25 / 0830
Sample Number:		PID Readings: N/A	
Weather Conditions:	Clear 72°F		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / No	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	8.15	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	52.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	53.64	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	7000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Draw~~down	Notes
0755	START	Pump	-	-	-	-	-	8.15	
0800	1000	23.7	6347	-127.8	0.58	0.02	6.31	11.62	
0805	2000	23.7	6346	-122.5	0.49	0.02	6.32	12.75	
0810	2000	23.8	6338	-117.4	0.40	0.02	6.32	14.70	
0815	4000	24.0	6333	-117.0	0.36	0.26	6.32	16.52	
0820	5000	24.0	6330	-115.0	0.41	1.15	6.32	18.49	
0825	6000	24.1	6331	-114.7	0.40	1.90	6.31	19.30	
0830	7000	24.1	6333	-112.6	0.	2.24	6.31	19.98	
	Start Sample								
0835	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0830
3. Sampling Equip. Used	Peris.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date: 8-25-2025

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): RJC
MW Identification: AP MW-1		Date/Time: 8.26.25 / 1220
Sample Number:		PID Readings: N/A
Weather Conditions: 88°, humid, ptly cloudy		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / ~~No~~ pwc
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	14.98	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	23.0	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	25.10	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.C.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1140	Start Pump	–	–	–	–	–	–	14.98	
1145	750	24.4	2438	2.0	0.45	6.86	5.3	15.42	
1150	1500	24.0	2439	-13.9	0.32	3.51	5.32	15.45	
1155	2250	23.9	2440	-24.5	0.29	3.17	5.33	15.48	
1200	3000	23.8	2423	-30.8	0.34	0.74	5.33	15.49	
1205	3750	23.9	2422	-34.3	0.36	1.87	5.33	15.50	
1210	4500	23.8	2410	-35.6	0.40	1.16	5.33	15.51	
1215	5250	23.8	2412	-37.1	0.41	1.01	5.33	15.52	
1220	Start Sample								
1232	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1220
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	None		
Odor	No		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	AWL
MW Identification:	AP MW-1D (old well)	Date/Time:	8-26-25 / 1015
Sample Number:		PID Readings: N/A	
Weather Conditions:	72°F Partly Cloudy, humid		
Wellhead Inspection:	Average		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	16.10	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	41.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	43.04	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0935	START PUMP	~	~	~	~	~	~	16.10	
0940	1000	24.5	1287	-80.7	0.50	2.13	5.91	16.58	
0945	2000	24.6	1291	-74.0	0.47	0.56	5.93	16.58	
0950	3000	24.5	1291	-68.3	0.58	0.50	5.93	16.59	
0955	4000	24.5	1287	-61.3	0.62	0.74	5.93	16.59	
1000	5000	24.4	1289	-62.3	0.68	0.85	5.93	16.59	
1005	6000	24.5	1287	-63.6	0.70	0.76	5.93	16.59	
1010	7000	24.5	1287	-61.4	0.71	0.77	5.93	16.59	
1015	Start Sample								
1032	Stop Pump								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	AP MW-3D	Date/Time:	8/28/25
Sample Number:		PID Readings: N/A	
Weather Conditions:	Warm 85°		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	13.11	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	54.96	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	56.96	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	15750	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: slightly cloudy		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color:			

±3%	±3%	±10mV	<0.5	<10	±0.1

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	ft/L ~~Drawdown~~	Notes
1010	Pump On								
1015	750	25.3	2008	-32.2	.61	73.8	5.52	~~24.43~~ 14.12	
1020	1500	25.2	2020	-32.2	.40	100.0	5.46	15.15	
1025	2250	25.4	2033	-32.5	.33	98.4	5.44	15.32	
1030	3000	25.4	2048	-32.9	.29	101.0	5.42	15.57	
1035	3750	25.3	2126	-36.2	.22	82.4	5.38	16.03	
1040	4500	25.2	2219	-38.0	.18	79.4	5.32	16.55	
1045	5250	25.2	2252	-39.3	.16	63.3	5.30	16.92	
1050	6000	25.3	2286	-40.1	.16	58.9	5.28	17.31	
1055	6750	24.9	2302	-40.1	.16	48.3	5.25	17.52	
1100	7500	24.7	2326	-40.3	.16	44.2	5.23	17.70	
1105	8250	25.0	2344	-41.4	.17	38.1	5.26	18.18	
1110	9000	25.2	2262	-42.2	.17	30.0	5.29	18.52	
1115	9750	25.2	2271	-42.1	.16	29.4	5.28	18.86	
1120	10500	25.2	2279	-42.2	.16	25.5	5.28	19.12	
1125	11250	25.3	2284	-41.8	.16	22.0	5.29	19.18	
1130	12000	25.5	2290	-41.6	.16	22.4	5.29	19.29	
1135	12750	25.1	2297	-41.1	.15	20.2	5.27	19.40	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1200
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color			
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	AP MW-3D	Date/Time:	8/28/25
Sample Number:		PID Readings: N/A	
Weather Conditions:	Warm 89		
Wellhead Inspection:			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ w/l	Notes
1140	13500	25.3	2297	-41.2	.17	20.9	5.28	19.54	
1145	14250	25.4	2319	-41.4	.15	20.1	5.29	19.60	
1150	15000	25.5	2320	-40.9	.16	19.4	5.28	19.71	
1155	15750	25.3	2316	-39.8	.14	18.6	5.28	19.78	
1200	Begin Sampling								
	Pump off 1230								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWC
MW Identification:	AP MW-4S	Date/Time:	8·26·25 / 0825
Sample Number:		PID Readings:	N/A
Weather Conditions:	72°F, Clear		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	19.65	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	36.90	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	38.90	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0740	START PUMP		-	-	-	-	-	19.65	
0745	750	23.0	3093	-95.7	0.61	13.3	5.61	19.83	
0750	1500	23.0	2776	-90.8	0.96	22.3	5.43	19.83	
0755	2250	23.0	2316	-83.1	0.97	47.3	5.10	19.83	
0800	3000	23.1	1849	-79.3	0.90	16.6	4.37	19.83	
0805	3750	23.2	1754	-78.1	0.86	9.64	4.22	19.83	
0810	4500	23.3	1740	-77.6	0.83	8.06	4.18	19.83	
0815	5250	23.3	1738	-77.3	0.89	6.84	4.17	19.83	
0820	6000	23.4	1731	-77.1	0.83	6.35	4.16	19.83	
0825	Start Sample								
0845	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0825
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	No		
Odor	No		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	AP MW-5D	Date/Time:	8/25/25 0940
Sample Number:		PID Readings: N/A	
Weather Conditions:	Clear 89°F		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.62	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	54.10	7. Water Level Measuring Equip.	Dedicated
3. Bottom of casing (±0.01 ft.)	56.10	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: Cloudy		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Cloudy			

±3% ±3% ±10mV <0.5 <10 ±0.1 W/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0950	Pump On							15.94	
0955	500	26.1	8411	4.4	.72	421	3.92	15.94	
1000	1000	26.5	8396	5.9	.49	363	3.87	15.94	
1005	1500	26.6	8367	8.4	.42	332	3.83	15.95	
1010	2000	26.6	8349	12.7	.40	232	3.84	15.95	
1015	2500	26.7	8241	16.9	.39	167	3.80	15.94	
1020	3000	26.9	8169	24.1	.36	112	3.78	15.95	
1025	3500	27.2	8094	33.6	.36	82.4	3.78	15.96	
1030	4000	27.3	8039	42.2	.34	57.3	3.77	15.96	
1035	4500	27.2	8092	53.6	.34	47.1	3.77	15.95	
1040	5000	27.2	8135	65.4	.33	40.4	3.79	15.97	
1045	5500	27.2	8232	72.3	.32	38.1	3.79	15.97	
1050	6000	27.3	8293	79.6	.30	42.3	3.81	15.96	
1055	6500	27.3	8324	80.3	.32	33.6	3.81	15.96	
1100	7000	27.4	8366	82.2	.33	33.0	3.83	15.95	
1105	7500	27.6	8394	78.4	.34	33.5	3.83	15.95	
1110	8000	27.6	8405	74.3	.36	28.5	3.85	15.95	
1115	8500	27.7	8424	78.9	.36	27.0	3.86	15.96	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / No	8. Sample Time:	1155
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

*WRC takes FB-1 @ 1030

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES | Sampler Name(s): WRC

MW Identification: AP MW-35D | Date/Time: 8/25/25 0940

Sample Number: | PID Readings: N/A

Weather Conditions: Clear 84°

Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ WL	Notes
1120	9000	27.7	8435	75.7	.36	25.9	3.86	15.95	
1125	9500	27.5	8444	81.2	.36	26.9	3.86	15.96	
1130	10000	27.7	8452	83.1	.36	25.4	3.86	15.96	
1135	10500	27.9	8469	84.4	.36	21.9	3.87	15.96	
1140	11000	27.9	8477	86.2	.36	22.4	3.87	15.96	
1145	11500	28.2	8483	87.8	.36	23.2	3.87	15.96	
1150	12000	28.1	8489	88.4	.36	23.1	3.87	15.95	
1155	Begin Sample								
1235	Pump OFF								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): WRC
MW Identification:	AP MW-75	Date/Time: 8/25/25 1300
Sample Number:		PID Readings: N/A
Weather Conditions:	Hot 90°	
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	21.78	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	36.75	7. Water Level Measuring Equip.	Sonded
3. Bottom of casing (±0.01 ft.)	38.75	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	12,000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	-
Odor: none Turbidity: Very Cloudy		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 w/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1315	Pump on								
1325	1000	27.7	6590	19.0	.51	76.9	6.40	22.97	
1330	1500	28.4	6590	11.1	.30	40.3	6.26	23.70	
1335	2000	28.5	6440	10.6	.28	33.5	6.10	23.95	
1340	2500	27.6	6336	12.5	.26	34.7	5.85	24.32	
1345	3000	26.3	6114	15.2	.24	33.1	5.52	24.67	
1350	3500	25.9	5990	23.8	.20	34.0	5.31	24.91	
1355	4000	26.1	5917	62.4	.18	31.7	5.20	25.34	
1400	4500	26.4	5824	100.1	.17	29.2	5.08	25.75	
1405	5000	26.8	5827	120.3	.17	26.1	5.06	26.02	
1410	5500	27.2	5834	156.2	.18	21.6	5.02	26.41	
1415	6000	26.7	5897	160.9	.16	22.3	5.02	26.58	
1420	6500	26.8	5854	172.4	.16	24.3	5.01	26.84	
1425	7000	26.7	5836	185.3	.17	22.5	5.00	27.15	
1430	7500	26.5	5848	191.1	.17	22.6	5.00	27.29	
1435	8000	26.1	5857	198.7	.18	22.8	4.98	27.42	
1440	8500	26.3	5802	209.4	.20	22.9	4.97	27.55	
1445	9000	26.6	5822	216.3	.20	21.7	4.94	27.65	

1. Well evacuated to dryness?	Yes (No)	7. Time to recharge (min):	~~1426~~
2. Sample Filtered?	(Yes) / No	8. Sample Time:	~~1520~~ 1530
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

7S

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES
MW Identification: AP-MW-~~4S~~ 7S
Sample Number:
Weather Conditions: 90°
Wellhead Inspection:

Sampler Name(s): WRC
Date/Time: 8/25/25 1300
PID Readings: N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ DTW	Notes
1450	9500	27.0	5836	220.9	.22	20.4	4.92	27.71	
1455	10000	27.1	5836	224.5	.25	19.6	4.90	27.75	
1500	10500	27.3	5838	227.5	.27	17.2	4.90	27.80	
1505	11000	26.4	5847	231.4	.29	17.1	4.87	27.89	
1510	11500	26.8	5854	237.2	.35	15.4	4.85	27.94	
1515	12000	26.7	5866	239.4	.37	15.1	4.82	27.99	
1520	Sample								
1555	Pump off								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	AP MW 7D	Date/Time:	8/25/25 1600
Sample Number:		PID Readings: N/A	
Weather Conditions:	Hot 99°		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	24.73	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	55.38	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	57.38	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	11,500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: None Turbidity: Slt Cldy		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ ft	Notes
1605	Pump on								
1610	500	30.8	4629	-37.5	1.30	127	6.79	23.35	
1615	1000	31.5	4936	-64.4	.72	96.7	6.80	24.85	
1620	1500	30.9	5029	-79.9	.54	49.5	6.80	25.28	
1625	2000	30.7	5165	-95.5	.33	41.3	6.79	25.61	
1630	2500	31.0	5156	-101.4	.31	33.6	6.79	25.89	
1635	3000	31.1	5148	-106.6	.27	30.7	6.80	26.15	
1640	3500	31.3	5167	-109.4	.26	27.8	6.80	26.49	
1645	4000	30.8	5172	-110.2	.27	25.2	6.80	26.84	
1650	4500	30.7	5175	-111.4	.27	24.4	6.80	27.11	
1655	5000	30.5	5180	-112.10	.28	24.0	6.80	27.57	
1700	5500	30.4	5171	-113.3	.29	22.1	6.80	27.84	
1705	6000	30.2	5194	-113.9	.31	21.0	6.81	28.22	
1710	6500	30.3	5168	-114.0	.31	21.4	6.81	28.41	
1715	7000	30.4	5161	-114.1	.31	20.1	6.81	28.78	
1720	7500	30.5	5153	-114.1	.31	18.4	6.81	29.10	Cal Turbidity MR
1725	8000	30.5	5150	-114.2	.31	16.7	6.81	29.42	
1730	8500	29.10	5186	-111.7	.33	15.0	6.81	29.78	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	—
2. Sample Filtered?	Yes / No	8. Sample Time:	1805
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES		Sampler Name(s): WRC
MW Identification:	AP MW-7B	Date/Time: 8/25/25
Sample Number:		PID Readings: N/A
Weather Conditions:		
Wellhead Inspection:		

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ W/L	Notes
1735	9000	29.7	5153	-110.9	.33	14.2	6.81	30.02	
1740	9500	29.5	5143	-110.9	.32	12.5	6.81	30.21	
1745	10000	29.7	5160	-109.1	.33	11.4	6.82	30.45	
1750	10500	29.6	5153	-108.2	.33	9.8	6.81	30.89	
1755	11000	29.7	5155	-103.8	.33	8.7	6.82	31.12	
1800	11500	29.7	5158	-102.2	.33	8.37	6.81	31.42	
1805	~~12000~~	Begin Sample			[illegible]				
1845	Pump off								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWC
MW Identification:	AP PZ-1	Date/Time:	8-26-25 / 1415
Sample Number:		PID Readings: N/A	1420 for DUP
Weather Conditions:	91°, Partly Cloudy, humid		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / No	7. Lock in Place:	(Yes) / [illegible]
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	8.45	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	27.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	29.44	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1335	Start Pump	Pump	—	—	—	—	—	8.45	
1340	750	25.7	9565	-68.4	0.46	7.16	4.66	10.25	
1345	1500	25.6	9494	-66.1	0.32	6.81	4.66	10.78	
1350	2250	25.5	9445	-61.6	0.38	2.80	4.66	11.01	
1355	3000	25.6	9436	-62.2	0.37	2.37	4.66	11.28	
1400	3750	25.3	9422	-62.6	~~0.36~~ 0.37	0.86	4.65	11.42	
1405	4500	25.4	9418	-61.8	0.41	2.01	4.65	11.61	
1410	5250	25.7	9403	-61.2	0.42	2.15	4.65	11.82	
1415	Start Sample								
1505	Stop Pump		NOTE: Also collect DUP			FD-2		AP PZT-1 time 1420	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1415/1420
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	No		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PMC
MW Identification: AP PZ-4 (cold well)		Date/Time: 8.25.25 / 1635
Sample Number:		PID Readings: N/A
Weather Conditions: 92°F Plly Cldy, Humid		
Wellhead Inspection: Acceptable		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	13.88	7. Purge Rate (mL/min)	200 / 100
2. Intake Depth (±0.01 ft.)	44.40	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	46.41	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1550	START PUMP	-	-	-	-	-	-	13.88	200 ml/min
1555	1000	25.9	7325	-103.4	0.47	4.92	8.61	17.57	200
1600	2000	26.0	7309	-103.8	0.30	3.77	8.63	18.85	200
1605	3000	26.1	7306	-101.2	0.29	4.26	8.61	20.35	200
1610	3500	27.2	7298	-96.4	0.34	4.26	8.58	21.36	100 ml/min
1615	4000	27.0	7316	-92.9	0.40	5.70	8.56	22.43	
1620	4500	27.6	7309	-95.8	0.41	5.64	8.56	23.00	
1625	5000	27.1	7307	-90.9	0.44	5.70	8.56	23.78	
1630	5500	27.0	7306	-89.8	0.41	5.30	8.56	24.40	
1635	Start Sample								
1710	Stop pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1635
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100 ml/min		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	AP PZ-45	Date/Time:	8/25/25 0730
Sample Number:		PID Readings: N/A	
Weather Conditions:	WARM		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	19.65 / 12.56	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	36.62	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	38.82	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2.6"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7500	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: None Turbidity	Clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 WL

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0735	Pump on							12.42	
0740	1000	23.0	10275	-52.3	1.50	55.2	6.37	13.90	
0745	1500	23.1	10423	-56.2	2.66	45.5	6.45	14.61	
0750	2000	23.1	10417	-49.9	3.92	41.2	6.49	15.48	
0755	2500	22.9	10414	-44.5	5.25	32.6	6.55	16.32	
0800	3000	22.9	10406	-45.2	5.86	33.9	6.60	18.41	
0805	3500	22.9	10403	-46.9	6.40	34.2	6.62	19.55	
0810	4000	22.8	10401	-51.1	6.78	35.8	6.66	~~22.90~~	20.84
0815	4500	23.0	10405	-52.3	6.59	24.0	6.67	22.90	
0820	5000	23.0	10397	-51.9	6.62	17.2	6.66	24.42	
0825	5500	23.1	10403	-57.6	6.68	16.8	6.64	25.62	
0830	6000	23.1	10410	-58.2	6.65	12.4	6.64	26.84	
0835	6500	23.2	10418	-66.2	6.68	7.32	6.65	28.32	
0840	7000	23.3	10433	-66.8	6.32	4.66	6.64	28.35	
0845	7500	23.3	10439	-67.2	6.30	2.14	6.64	28.40	
0850	8000	Begin Sample							
0930	Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0855
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): RJL
MW Identification: SFL MW-1 continuing		Date/Time: 8-27-25 / 0820
Sample Number:		PID Readings: N/A
Weather Conditions: 72°F, Partly Cloudy		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	17.02	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	28.80	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	30.80	8. Purge Equipment Used	
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0740	START Pump		–	–	–	–	–	17.02	
0745	750	23.2	8551	-189.2	0.88	33.9	4.17	17.92	
0750	1500	23.2	8539	-100.5	1.27	39.2	4.20	17.93	
0755	2250	23.3	8556	-98.8	1.55	19.9	4.18	17.93	
0800	3000	23.5	8565	-95.0	1.37	14.7	4.17	17.95	
0805	3750	23.5	8604	-92.9	1.24	9.13	4.15	17.97	
0810	4500	23.6	8614	-91.2	1.15	7.57	4.14	17.98	
0815	5250	23.6	8613	-91.0	1.14	5.13	4.14	17.99	
0820	Start Sample								
0840	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0820
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Good, Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): RJC
MW Identification: SFL MW-20		Date/Time: 8.28.25 / 1025
Sample Number:		PID Readings: N/A
Weather Conditions: 77°, Clear, Humid		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	4.57	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	55.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	57.43	8. Purge Equipment Used	Peristal.
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.C.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0945	START PUMP	-	-	-	-	-	-	4.57	
0950	750	27.4	6789	-83.7	0.37	4.77	5.62	7.30	
0955	1500	27.6	6758	-86.0	0.30	5.74	5.63	8.44	
1000	2250	27.6	6750	-88.4	0.27	2.38	5.63	9.50	
1005	3000	27.6	6738	-88.3	0.26	5.21	5.64	10.15	
1010	3750	27.7	6722	-89.0	0.25	7.47	5.64	11.06	
1015	4500	27.7	6718	-89.5	0.26	7.39	5.64	12.30	
1020	5250	27.7	6722	-89.7	0.25	7.14	5.64	13.70	
1025	Start Sample								
1045	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1025
3. Sampling Equip. Used	Peristal.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	SFL MW-3D	Date/Time:	8/27/25 1100
Sample Number:		PID Readings: N/A	
Weather Conditions:	Hot 90°		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	19.81	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	59.20	7. Water Level Measuring Equip.	Dextech
3. Bottom of casing (±0.01 ft.)	61.20 ~~61.20~~	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	18,000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: None Turbidity	MURKY	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Brn			

±3% ±3% ±10mV <0.5 <10 ±0.1 mg/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1115	Pump on							20.5	Soft Button
1120									
1125	1500	28.8	6551	-10.2	4.17	681	6.41	20.54	
1130	2250	28.9	6379	-27.8	.35	542	6.50	20.53	
1135	3000	27.6	6383	-35.5	.30	240	6.52	20.54	
1140	3750	27.6	6311	-39.8	.28	207	6.54	20.54	
1145	4500	27.6	6287	-42.5	.26	184	6.54	20.54	
1150	5250	27.4	6302	-46.1	.26	151	6.54	20.54	
1155	6000	27.2	6301	-49.3	.25	117	6.54	20.54	
1200	6750	27.4	6294	-53.2	.23	98.4	6.53	20.54	
1205	7500	27.7	6271	-56.9	.23	77.9	6.50	20.54	
1210	8250	27.4	6266	-58.4	.22	74.4	6.54	20.54	
1215	9000	27.2	6256	-61.4	.21	66.2	6.57	20.54	
1220	9750	27.9	6245	-66.6	.20	59.1	6.57	20.53	
1225	10500	28.0	6236	-71.0	.20	53.6	6.57	20.54	
1230	11250	27.9	6235	-73.8	.19	48.5	6.57	20.54	
1235	12000	27.7	6230	-75.0	.19	43.8	6.57	20.54	
1240	12750	27.8	6230	-77.6	.18	45.5	6.58	20.54	

1. Well evacuated to dryness?	Yes (No)	7. Time to recharge (min):	—
2. Sample Filtered?	(Yes) No	8. Sample Time:	1320
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkallnity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity	cldy		
Color			
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

WRC collects FB-3 @ 1215

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES | Sampler Name(s): WRC
MW Identification: SFL MW-3D | Date/Time: 8/27/25
Sample Number: | PID Readings: N/A
Weather Conditions: Hot 92°
Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ W/L	Notes
1245	13500	27.9	6215	-79.2	.19	38.9	6.58	20.54	
1250	14250	27.9	6209	-79.9	.18	38.4	6.58	20.55	
1255	15000	28.1	6203	-80.7	.18	36.3	6.56	20.53	
1300	15750	28.1	6208	-80.7	.18	34.1	6.58	20.53	
1305	16500	28.3	6215	-80.6	.18	32.8	6.58	20.53	
1310	17250	27.8	6180	-80.2	.17	30.8	6.58	20.53	
1315	18000	27.8	6165	-79.6	.17	28.7	6.58	20.53	
1320	Begin Sample								
1355	Pump off								

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWL
MW Identification: SFL MW-4S		Date/Time: 8-28-25 / 0850
Sample Number:		PID Readings: N/A
Weather Conditions: 77° Clear		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.48	7. Purge Rate (mL/min)	~~100 mL~~ 150
2. Intake Depth (±0.01 ft.)	22.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	24.26	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	5000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0815	START PUMP		–	–	–	–	–	15.48	
0820	500 750	24.5	13017	-79.5	0.83	25.0	4.23	16.25	
0825	1500	24.5	12998	-81.6	0.87	10.7	4.23	16.43	
0830	2250	24.6	12992	-82.7	0.83	4.19	4.24	16.70	
0835	3000	24.6	12990	-83.1	0.81	1.87	4.24	16.9	
0840	4000	24.7	12986	-85.4	0.79	1.43	4.25	17.02	
0845	5000	24.7	12985	-85.0	0.78	1.11	4.25	17.41	
0850	Start Sample								
0915	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0850
3. Sampling Equip. Used	Peri.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	JNRC
MW Identification:	SFL MW-5D	Date/Time:	8/27/25 1415
Sample Number:		PID Readings: N/A	
Weather Conditions:			
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	24.93	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	65.10	7. Water Level Measuring Equip.	Peristaltic
3. Bottom of casing (±0.01 ft.)	67.16	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	-
Odor: None Turbidity: Murky		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Brown			

±3% ±3% ±10mV <0.5 <10 ±0.1 u/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1420								22.92	
1425	750	28.1	4925	-43.2	.80	171	7.20	24.87	
1430	1500	27.7	4848	-56.6	.38	152	7.25	25.62	
1435	2250	27.7	4835	-68.2	.29	134	7.26	26.50	
1440	3000	27.7	4828	-78.1	.26	112	7.29	27.65	
1445	3750	28.1	4834	-84.8	.24	102	7.29	28.97	
1450	4500	28.2	4842	-91.3	.21	86.8	7.30	30.35	
1455	5250	28.1	4835	-90.8	.21	64.2	7.30	31.47	
1500	6000	27.8	4828	-90.6	.24	53.9	7.28	32.28	
1505	6750	27.7	4792	-80.4	.24	46.2	7.26	33.31	
1510	7500	27.7	4750	-71.2	.25	39.3	7.23	34.34	
1515	8250	27.7	4742	-79.2	.25	39.1	7.23	35.42	
1520	9000	27.5	4735	-67.9	.26	35.0	7.22	36.35	
1525	9750	27.3	4742	-67.4	.34	38.2	7.22	37.28	
1530	10500	27.3	4746	-66.7	.38	35.4	7.22	38.01	
1535	11250	27.1	4746	-66.0	.42	32.2	7.22	38.81	
1540	12000	27.3	4740	-65.2	.48	33.1	7.23	39.46	
1545	12750	27.8	4737	-65.6	.54	33.7	7.23	40.0	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:	SFL MW-5D	Date/Time:	8/27/25
Sample Number:		PID Readings: N/A	
Weather Conditions:			
Wellhead Inspection:			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ ft/L	Notes
1550	13500	28.1	4728	-67.3	.53	37.1	7.23	41.00	
1555	14250	28.3	4710	-67.6		38.3	7.23	41.61	
1600	15000	28.3	4707	-68.3	.61	35.1	7.23	42.05	
Sample @ 1605									
Pump off @ 1640									

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): BMC
MW Identification: SFL MW-6D		Date/Time: No Sample
Sample Number:		PID Readings: N/A
Weather Conditions: 91°F, Bit Cldy, Humid		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	68.30	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	72.90	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	74.92	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	4500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Cloudy		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color:			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1240	START	Pump	—	—	—	—	—	67.60	
1245	500	—	—	—	—	—	—		
1250	1000	—	—	—	—	—	—	68.32	
1255	1500	—	—	—	—	—	—	68.26	
1300	2000	33.8	5416	0.2	0.79	298	6.22	68.46	
1305	2500	32.8	5430	-12.8	0.51	11.5	6.24	68.56	
1310	3000	31.7	5427	-22.6	0.60	7.10	6.26	68.75	
1315	3500	27.7	5426	-21.3	0.47	76.6	5.71	68.98	
1320	4000	27.4	5436	-21.5	0.33	63.8	5.63	69.40	
1325	4500	26.3	5418	-21.2	0.28	72.8	5.56	~~70.69~~ 69.68	
1330	5000	Flow of water	stops	—	Shut	pump off			
		NO SAMPLE							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

* EQ-2 Collected @ 1345

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): AR
MW Identification: SFL MW-7S		Date/Time: 8.27.25 / 1535
Sample Number:		PID Readings: N/A 1540 FD3
Weather Conditions: 93° Pt Cld, humid		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.59	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	27.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	29.15	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1455	Start Pump	-	-	-	-	-	-	15.59	
1500	1000	26.4	16708	-96.7	0.61	5.88	5.46	15.89	
1505	2000	26.4	16256	-106.4	0.40	3.02	5.51	15.92	
1510	3000	27.0	15727	-103.9	0.38	2.35	5.54	15.93	
1515	4000	27.0	14795	-106.3	0.38	2.01	5.54	15.94	
1520	5000	26.5	14420	-104.2	0.38	1.99	5.59	15.94	
1525	6000	26.4	14349	-101.7	0.39	1.48	5.61	15.95	
1530	7000	26.4	14351	-102.3	0.38	1.37	5.60	15.96	
1535	Start Sample								
1600	Shut off Pump		Note: will	DUP		FD-3	(MW-7S) SFL		
						FD-3	Sample time	= 1540	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1535/1540
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	No		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWC
MW Identification: SFL MW-8S		Date/Time: 8.27.24 / 1015
Sample Number:		PID Readings: N/A
Weather Conditions: Partly Cldy		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	11.50	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	21.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	23.00	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0935	Start Pump	-	-	-	-	-	-	11.50	
0940	750	26.3	6081	-41.4	0.66	4.23	3.87	11.90	
0945	1500	26.2	6091	-40.6	0.39	2.87	3.84	11.90	
0950	2250	26.1	6097	-38.7	0.40	1.90	3.83	11.92	
0955	3000	26.6	6067	-40.8	0.29	1.89	3.84	11.93	
1000	3750	26.7	6079	-39.0	0.30	2.14	3.88	11.93	
1005	4500	26.7	6075	-38.9	0.29	2.77	3.88	11.94	
1010	5250	26.7	6065	-40.2	0.32	1.45	3.89	11.95	
1015	Start Sample								
1040	Stop Pump								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1015
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWC
MW Identification: SFL MW-8D		Date/Time: 8-27-25 / 1145
Sample Number:		PID Readings: N/A
Weather Conditions: Partly Cloudy		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	10.00	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	44.60	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	46.66	8. Purge Equipment Used	
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor None Turbidity Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1110	START Amp	-	-	-	-	-	-	10.00	
1115	750	27.3	2760	-4.2	0.48	14.6	6.55	11.69	
1120	1500	27.4	2669	15.1	0.32	10.5	6.57	11.90	
1125	2250	27.1	2640	19.9	0.27	5.17	6.57	12.13	
1130	3000	27.5	2639	10.4	0.25	1.81	6.57	12.28	
1135	3750	27.0	2642	14.3	0.25	6.36	6.57	12.39	
1140	4500	26.9	2651	15.1	0.25	6.00	6.57	12.40	
1145	Stick Sample								
1312	Stop Pump								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1145
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): AWC
MW Identification: MW-15D	SFL	Date/Time: 8-27-25 / 1340
Sample Number:		PID Readings: N/A
Weather Conditions: 90°, Pt Cldy, humid		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	6.03	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	50.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	52.45	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor ____ Turbidity		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color ____			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1305	Start Pump	—	—	—	—	—	—	6.03	
1310	1000	28.5	4631	-30.3	0.64	2.69	6.39	6.87	
1315	2000	28.8	4645	-36.7	0.62	2.26	6.37	6.88	
1320	3000	28.2	4641	-41.8	0.66	2.39	6.36	6.89	
1325	4000	28.3	4620	-45.7	0.65	1.96	6.36	6.90	
1330	5000	28.5	4618	-45.9	0.61	1.65	6.35	6.93	
1335	6000	28.5	4617	-45.9	0.62	1.53	6.35	6.94	
1340	Start Sample								
1410	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1340
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

October 2025 Event

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): Dave
MW Identification: SSP MW-2D		Date/Time: 10.13.25 / 1145
Sample Number:		PID Readings: N/A
Weather Conditions: Clear		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	~~23.42~~ 23.73 pwc	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	61.50	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	64.88	8. Purge Equipment Used	perist.
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	9000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1040	START	PUMP	—	—	—	—	—	23.42	
1045	750	24.6	10244	86.7	1.62	22.0	3.47	26.08	
1050	1500	24.9	10230	-55.7	0.64	19.4	5.79	26.71	
1055	2250	24.4	10230	-62.0	0.59	16.7	5.81	27.32	
1100	3000	24.3	10208	-63.5	0.58	17.8	5.80	27.85	
1105	3750	24.5	10193	-65.6	0.55	19.5	5.79	28.17	
1110	4500	24.4	10201	-66.7	0.52	18.6	5.78	28.33	
1115	5250	25.3	10238	-67.5	0.49	18.0	5.78	28.70	
1120	6000	25.3	10238	-70.3	0.49	14.7	5.78	28.81	
1125	6750	25.3	10240	-71.6	0.47	12.8	5.78	28.90	
1130	7500	25.5	10237	-74.9	0.47	9.9	5.82	28.99	
1135	8250	25.6	10267	-75.4	0.43	9.0	5.85	29.03	
1140	9000	25.8	10248	-75.8	0.43	8.53	5.85	29.15	
1145	Start	Sample							
1217	Stop	Pump							

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1145
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	10/13/25 1330
Sample Number:	SSP MW-3D	PID Readings: N/A	
Weather Conditions:	clear / hot		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	29.32	7. Purge Rate (mL/min)	80
2. Intake Depth (±0.01 ft.)	58.51	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	60.51	8. Purge Equipment Used	PP
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	1400	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity	sl. cldy	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: lt gray			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown (ft bTOC)	Notes
1455	-							29.28	
1500	400	28.9	7566	112.8	1.96	29.7	4.66	29.87	
1505	800	28.9	7574	131.1	0.82	32.6	4.77	29.87	
1510	1200	28.9	7580	132.6	0.71	36.2	4.77	29.90	
1515	1600	28.9	7599	133.3	0.64	33.8	4.75	29.92	
1520	2000	29.1	7596	133.9	0.62	32.0	4.74	29.92	
1525	2400	29.1	7594	134.8	0.62	31.7	4.74	29.92	
1530	2800	29.1	7583	132.8	0.74	26.7	4.74	29.92	
1535	3200	29.9	7579	127.1	0.69	25.1	4.74	29.92	
1540	3600	29.0	7572	129.5	0.74	23.9	4.74	29.92	
1545	4000	28.9	7582	141.0	0.80	21.5	4.74	29.92	
1550	4400	28.7	7580	140.3	0.80	20.3	4.74	29.93	
1555	4800	28.3	7594	143.7	0.79	18.0	4.74	29.93	
1600	5200	28.3	7572	144.0	0.80	13.4	4.74	29.95	
1605	5600	28.3	7568	144.9	0.79	9.8	4.74	29.96	
1610	6000	28.3	7572	145.3	0.79	8.6	4.74	29.96	
1615	6400	28.3	7572	145.8	0.79	9.6	4.74	29.96	
Begin Sample 1615									
PP off 1730									

1. Well evacuated to dryness?	Yes (No)	7. Time to recharge (min):		10. Decontamination Procedures:	Alconox/DI Rinse
2. Sample Filtered?	Yes (No)	8. Sample Time:	1615	11. Instrument type:	YSI ProSeries
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters	Calibration Date:	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity	Calibration Time:	
5. Sample Rate (mL/min)					
6. Sample Appearance:		9. Other Information:			
Turbidity					
Color					
Odor					

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

* Limits of Peristaltic Pump

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWC
MW Identification: SSP MW-45		Date/Time: 10-13-25 /
Sample Number:		PID Readings: N/A
Weather Conditions: Clear Warm		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	~~27.12~~ pwc 26.98	7. Purge Rate (mL/min)	125
2. Intake Depth (±0.01 ft.)	35.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	37.08	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor ____ Turbidity ____		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color ____			

±3% ±3% ±10mV <0.5 <10 ±0.1 w.l.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1305	START PUMP	—	—	—	—	—	—	27.12	
1310	625	25.9	5597	91.7	1.03	2.28	3.67	27.34	
1315	1250	26.2	5593	95.3	0.68	2.62	3.68	27.39	
1320	1875	26.2	5591	94.2	0.63	3.00	3.67	27.40	
1325	2500	26.1	5588	93.4	0.58	3.23	3.67	27.42	
1330	3125	25.4	5593	81.4	0.59	2.09	3.86	27.44	
1335	3750	25.9	5594	66.1	0.58	1.98	3.88	27.45	
1340	4375	26.1	5591	64.5	0.55	1.64	3.93	27.46	
1345	5000	26.1	5589	64.1	0.54	1.60	3.91	27.48	
1350	Start Sample								
1423	Stop Pump								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES	Sampler Name(s): WRC	
MW Identification: SSA MW-55	Date/Time: 10/13/25 0940	
Sample Number:	PID Readings: N/A	
Weather Conditions:		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	20.48	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	42.15	7. Water Level Measuring Equip.	PP
3. Bottom of casing (±0.01 ft.)	44.15	8. Purge Equipment Used	Bennett
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	10500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: none Turbidity: cloudy		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: light gray			

W/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0950	-							20.38	
0955	750	23.7	8251	104.8	0.82	242	5.23	20.57	
1000	1500	23.6	7381	77.0	0.54	194	5.22	20.84	
1005	2250	23.5	7448	83.4	0.35	87.6	5.20	20.87	
1010	3000	23.5	7527	120.5	0.29	40.4	5.17	20.92	
1015	3750	23.6	7524	84.6	0.33	30.6	5.17	20.94	
1020	4500	23.8	7527	68.2	0.33	23.3	5.17	20.97	Check turbidity meter
1025	5250	23.9	7521	57.1	0.34	16.4	5.17	20.99	
1030	6000	23.9	7520	70.3	0.24	13.4	5.17	21.02	
1035	6750	23.7	7518	75.6	0.27	13.2	5.17	21.06	
1040	7500	24.1	7518	77.1	0.22	15.1	5.17	21.09	
1045	8250	23.9	7515	77.5	0.21	12.6	5.17	21.11	
1050	9000	24.2	7515	78.3	0.21	6.92	5.17	21.13	
1055	9750	24.1	7518	78.6	0.21	9.50	5.17	21.15	
1100	10500	24.1	7520	78.9	0.22	8.35	5.17	21.16	
1105	Sample								
1130	Pump off								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1105
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity	clear		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Recalibrated Turbidity Meter #7723

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	10/13/25 1145
Sample Number:	SSP MW-5D	PID Readings: N/A	
Weather Conditions:	Clear Warm		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	23.78	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	42.45	7. Water Level Measuring Equip.	PP
3. Bottom of casing (±0.01 ft.)	64.45	8. Purge Equipment Used	Geotech
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: Slightly		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color:			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1150	-							24.05	
1155	750	25.6	7524	-94.6	1.06	36.6	6.79	24.26	
1200	1500	25.8	7524	-118.4	0.64	28.2	6.80	24.68	
1205	2250	25.8	7522	-139.8	0.31	20.3	6.79	25.00	
1210	3000	25.8	7521	-143.3	0.28	18.2	6.79	25.11	
1215	3750	25.8	7521	-150.4	0.25	16.8	6.79	25.24	
1220	4500	25.7	7521	-201.4	0.23	9.72	6.82	25.31	
1225	5250	25.6	7520	-204.9	0.24	9.14	6.82	25.42	
1230	6000	25.8	7520	-207.2	0.22	8.91	6.82	25.60	
1235	Begin Sample								
1305	Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1235
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

* 1310 WRC collects FB-1

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s):	WRC/PWC
MW Identification:	SSP MW-65	Date/Time:	10/13/25 0715
Sample Number:		PID Readings: **N/A**	
Weather Conditions:	Clear		
Wellhead Inspection:	-		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	8.05	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	34.98	7. Water Level Measuring Equip.	PP
3. Bottom of casing (±0.01 ft.)	36.88	8. Purge Equipment Used	GeoTech
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	~~11500~~ 9750	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	-
Odor: Mild	Turbidity: Light	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown w/L	Notes
0735	-							7.90	
0740	750	22.1	8101	87.4	1.17	66.7	5.23	8.29	
0745	1500	22.4	8163	97.7	0.57	29.0	5.28	8.61	
0750	2250	22.3	8142	100.9	0.39	43.9	5.28	8.67	
0755	3000	22.3	8201	101.7	0.32	37.9	5.28	8.72	
0800	3750	22.5	8241	99.8	0.27	30.2	5.24	8.78	
0805	4500	22.5	8263	97.4	0.23	29.6	5.23	8.85	
0810	5250	22.5	8281	50.5	0.50	24.8	5.22	8.86	
0815	6000	22.6	8310	70.0	0.22	34.1	5.21	8.89	
0820	6750	22.6	8319	71.1	0.20	24.7	5.21	8.91	
0825	7500	22.6	8340	73.2	0.18	19.9	5.21	8.94	
0830	8250	22.7	8342	70.7	0.16	7.91	5.20	8.94	
0835	9000	22.7	8364	69.3	0.15	2.21	5.20	8.94	
0840	9750	22.7	8381	68.6	0.15	7.92	5.20	8.95	
0845	~~10500~~	Begin	Sample						
0915	Pump	off							

1. Well evacuated to dryness?	Yes (No)	7. Time to recharge (min):	-
2. Sample Filtered?	Yes / (No)	8. Sample Time:	~~10500~~ 0845
3. Sampling Equip. Used		9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	150		
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWL
MW Identification:	SSP MW-6D	Date/Time:	10-13-25 / 0845
Sample Number:		PID Readings: N/A	↳ 0850 for FD-1 (MW-60)
Weather Conditions:	Clear		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	~~Yes~~ / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	8.15	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	51.50	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	53.64	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity	Clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 DTW

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0805	START PUMP	—	—	—	—	—	—	8.17	
0810	750	22.2	6277	-3.4	1.98	44.2	6.42	9.99	
0815	1500	22.6	6476	-9.0	0.84	17.0	6.41	10.85	
0820	2250	22.7	6479	-10.7	0.70	10.6	6.41	11.55	
0825	3000	22.8	6476	-11.4	0.61	7.30	6.41	12.40	
0830	3750	22.8	6456	-11.7	0.58	3.98	6.41	13.65	
0835	4500	22.9	6458	-11.9	0.58	3.56	6.41	14.50	
0840	5250	23.1	6460	-12.0	0.51	3.24	6.41	15.31	
0845	SAMPLE								
	FD-1 also taken at 0850								
0850	STOP PUMP								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0845
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	"		
Color	"		
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	10/14/25 1430
Sample Number:	AP MW-1	PID Readings: N/A	
Weather Conditions:	Nat		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.65	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	23.16	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	25.10	8. Purge Equipment Used	
4. Casing Diameter (inches)	2.0 in	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	7000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

W/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1430	-							15.5	
1435	1000	25.1	2432	91.6	0.91	15.4	5.33	15.81	
1440	2000	24.8	2415	80.7	0.34	11.0	5.35	15.81	
1445	3000	24.8	2408	67.4	0.22	4.05	5.37	15.83	
1450	4000	24.6	2387	66.6	0.18	3.95	5.37	15.83	
1455	5000	24.6	2386	74.1	0.16	2.22	5.37	15.84	
1500	6000	24.6	2396	78.5	0.15	3.01	5.37	15.84	
1505	7000	24.7	2400	81.5	0.13	2.46	5.37	1584	
1510	Begin Sampling								
1535	Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):		10. Decontamination Procedures:	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1510	Alconox/DI Rinse	
3. Sampling Equip. Used		9: Parameter/Container/Pres.		11. Instrument type: YSI ProSeries	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A	App. III and App. IV CCR Parameters		Calibration Date:	
5. Sample Rate (mL/min)		Na, Mg, K, Fe, Al, Alkalinity		Calibration Time:	
6. Sample Appearance:					
Turbidity		9. Other Information:			
Color					
Odor					

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): MWC
MW Identification:	AP MW-10 (old)	Date/Time: 10.14.25 / 14.55
Sample Number:		PID Readings: N/A
Weather Conditions:	Sunny, hot	
Wellhead Inspection:	Good	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / No	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	16.72	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	41.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	43.04	8. Purge Equipment Used	Per.
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1415	START PUMP	~	~	~	~	~	~	16.61	16.61
1420	750	25.0	1292	(714.0)	0.84	2.29	(-2.4)	16.87	
1425	1500	24.9	1294	(678.5)	0.57	1.10	-2.4	16.87	
1430	2250	25.1	1298	53.5	0.63	1.36	6.02	16.88	
1435	3000	25.1	1297	52.5	0.60	1.55	6.01	16.88	
1440	3750	25.2	1301	51.4	0.45	1.51	6.01	16.89	
1445	4500	24.8	1300	48.9	0.42	1.23	6.03	16.89	
1450	5250	24.7	1299	48.0	0.42	1.13	6.03	16.90	
1455	Start Sample								
1515	Shut off Pump								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1455
3. Sampling Equip. Used	Per.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	No		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	10/14/25 1250
Sample Number:	AP MW-3D	PID Readings: N/A	
Weather Conditions:	Clear / Hot		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	13.76	7. Purge Rate (mL/min)	120
2. Intake Depth (±0.01 ft.)	58.51	7. Water Level Measuring Equip.	Heated
3. Bottom of casing (±0.01 ft.)	60.51	8. Purge Equipment Used	PP
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	4800	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	-
Odor: None Turbidity	Clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	W/L ~~Drawdown~~	Notes
1250	-							13.83	
1255	600	27.8	1953	33.1	1.80	16.8	5.34	15.15	
1300	1200	27.5	1947	12.7	1.15	21.7	5.33	15.58	
1305	1800	27.7	1954	5.8	0.41	16.3	5.33	15.85	
1310	2400	27.4	1987	4.1	0.31	17.8	5.32	16.08	
1315	3000	27.4	2088	2.1	0.25	9.92	5.31	16.45	
1320	3600	27.3	2160	4.2	0.23	9.38	5.29	16.52	
1325	4200	27.6	2218	5.1	0.20	9.49	5.28	16.70	
1330	4800	27.5	2250	5.9	0.19	9.42	5.27	16.81	
1335	~~5400~~	Began Sample @ 1335							
		Pump off @ 1410							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes (No)	8. Sample Time:	1335
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	VRC
MW Identification:		Date/Time:	10/14/25 1035
Sample Number:	AP MW-45	PID Readings: N/A	
Weather Conditions:	Clear / warm		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	19.99	7. Purge Rate (mL/min)	120
2. Intake Depth (±0.01 ft.)	36.90	7. Water Level Measuring Equip.	Heatech
3. Bottom of casing (±0.01 ft.)	38.90	8. Purge Equipment Used	PP
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: None Turbidity	V Slight	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

20.10

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ wl	Notes
1035	-			-25.0				20.10	
1040	600	24.7	~~3385~~ 3375	~~0.88~~	0.88	26.8	5.76	20.14	
1045	1200	24.7	3154	-5.2	0.33	14.7	5.56	20.18	
1050	1800	24.7	3076	-4.3	0.31	13.3	5.50	20.21	
1055	2400	24.8	2890	-42.7	0.26	16.0	5.39	20.23	
1100	3000	24.7	2743	-22.2	0.26	26.5	5.24	20.23	Slight bubbles
1105	3600	24.9	2720	99.8	0.23	45.5	4.70	20.24	Orange
1110	4200	25.0	1818	250.0	0.21	15.7	4.19	20.24	
1115	4800	25.1	1793	261.0	0.20	5.82	4.14	20.24	Clear.
1120	5400	25.3	1783	265.6	0.20	7.58	4.12	20.25	
1125	6000	25.3	1784	270.1	0.21	6.06	4.11	20.25	
1130	Begin Sample								
1205	Pump	off							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):		10. Decontamination Procedures:	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1130	Alconox/DI Rinse	
3. Sampling Equip. Used		9: Parameter/Container/Pres.		11. Instrument type: YSI ProSeries	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A	App. III and App. IV CCR Parameters		Calibration Date:	
5. Sample Rate (mL/min)		Na, Mg, K, Fe, Al, Alkalinity		Calibration Time:	
6. Sample Appearance:					
Turbidity		9. Other Information:			
Color					
Odor					

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	MWC
MW Identification:	APMW-5D	Date/Time:	10.14.25 / 1310
Sample Number:		PID Readings: N/A	
Weather Conditions:	Clear Warm		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	16.14	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	54.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	56.10	8. Purge Equipment Used	Peri.
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	5250	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.C.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1230	START PUMP		—	—	—	—	—	16.20	
1235	750	25.7	8395	74.0	0.98	5.35	3.83	16.60	
1240	1500	25.9	8348	68.2	0.60	2.20	3.82	16.62	
1245	2250	25.5	8244	64.7	0.60	2.42	3.85	16.65	
1250	3000	25.4	8232	63.7	0.45	1.51	3.85	16.67	
1255	3750	25.5	8383	63.1	0.42	2.67	3.85	16.67	
1300	4500	25.6	8385	63.0	0.39	3.57	3.86	16.68	
1305	5250	25.6	8408	62.4	0.38	3.52	3.86	16.69	
1310	START	SAMPLE							
1335	Shut off	Pump							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	150 1310
3. Sampling Equip. Used	Peri.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	"		
Color	"		
Odor	No		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	10/14/2025 0730
Sample Number:	AP MW-75	PID Readings: N/A	
Weather Conditions:	Clear/Cool		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	22.35	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	36.75	7. Water Level Measuring Equip.	Decteh
3. Bottom of casing (±0.01 ft.)	38.75	8. Purge Equipment Used	PP
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: Low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ W/L	Notes
0730								22.35	
0735	750	21.5	6683	10.2	0.77	19.6	6.58	23.15	
0740	1500	21.5	6547	26.2	0.43	21.6	5.98	24.20	
0745	2250	21.5	6232	112.6	0.35	9.58	5.28	25.21	
0750	3000	21.5	6009	194.5	0.28	10.6	5.02	25.65	
0755	3750	21.5	5932	229.3	0.26	8.24	4.88	25.92	
0800	4500	21.6	5891	239.5	0.24	6.22	4.83	26.25	
0805	5250	21.6	5866	246.3	0.24	3.35	4.79	26.49	
0810	6000	21.6	5851	251.4	0.22	2.03	4.78	26.80	
0815	Begin Sample								
0845	Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0815
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	10/14/25 0850
Sample Number:	AP MW-7D	PID Readings: N/A	
Weather Conditions:	Clear/cool		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	24.45	7. Purge Rate (mL/min)	120
2. Intake Depth (±0.01 ft.)	55.35	7. Water Level Measuring Equip.	Solinst
3. Bottom of casing (±0.01 ft.)	57.35	8. Purge Equipment Used	PP
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	4200	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: None Turbidity	V Clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ W/L	Notes
0900								24.45	
0905	600	23.1	5144	-97.4	0.59	4.22	6.90	25.92	Check Turb. Meter ✓
0910	1200	23.1	5130	-109.5	0.32	3.42	6.92	27.15	
0915	1800	23.2	5135	-115.2	0.28	5.00	6.93	27.94	
0920	2400	23.3	5135	-116.8	0.26	4.65	6.92	28.66	
0925	3000	23.5	5136	-118.7	0.24	4.23	6.92	29.30	
0930	3600	23.8	5134	-114.1	0.24	4.73	6.92	29.62	
0935	4200	24.0	5140	-114.3	0.24	3.33	6.92	30.16	
0940	Begin Sample								
10	Pump off								
			* NO SAMPLE TAKEN (BLADDER PUMP)						

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	N/A
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

* WRC collects FB-7 @ 1020

Turbidity Check

STD	Rdg
20.0	19.6 ✓

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES	Sampler Name(s):	WRC
MW Identification:	Date/Time:	10/16/25 0720
Sample Number: AP MW-7D	PID Readings: N/A	
Weather Conditions:		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	24.45	7. Purge Rate (mL/min)	~210
2. Intake Depth (±0.01 ft.)	55.38	7. Water Level Measuring Equip.	Heated
3. Bottom of casing (±0.01 ft.)	57.38	8. Purge Equipment Used	Bladder Pump
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	10500	10. Immisclbility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: V. Light Cld		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	W/L Drawdown	Notes
0725	-							28.88	
0730	1050	21.2	5120	-103.9	0.78	59.6	6.94	30.09	
0735	2100	21.5	5125	-122.9	0.54	35.0	6.93	30.18	
0740	3150	21.5	5128	-129.4	0.43	28.6	6.92	30.68	
0745	4200	21.6	5131	-136.6	0.37	21.7	6.92	31.42	
0750	5250	21.7	5148	-149.9	0.28	21.9	6.91	31.96	
0755	6300	21.6	5156	-157.8	0.27	10.1	6.91	32.44	
0800	7350	21.7	5159	-160.3	0.26	4.62	6.90	33.01	
0805	8400	21.7	5161	-159.3	0.24	2.63	6.89	33.58	
0810	9450	21.7	5158	-157.7	0.25	3.18	6.89	34.09	
0815	10500	21.7	5159	-156.8	0.25	1.02	6.88	34.68	
0815	Begin Sample								
0845	Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0815
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:			
Turbidity		9. Other Information:	
Color			
Odor			

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

WRC takes EQ-1 @ 0930

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	AWC
MW Identification:	AP PZ-1	Date/Time:	10.14.25 / 0825
Sample Number:		PID Readings: N/A	0830 DUP FD-2
Weather Conditions:	Clear, cool		AP PZT-1
Wellhead Inspection:	Avg		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	9.98	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	27.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	29.44	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	5250	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor NO Turbidity	clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0745	START PUMP		—	—	—	—	—	9.93	
0750	750	21.6	9507	35.3	0.89	8.89	4.73	11.43	
0755	1500	21.5	9515	40.7	0.55	9.31	4.73	11.90	
0800	2250	21.4	9466	43.0	0.51	1.95	4.75	12.22	
0805	3000	21.4	9461	45.1	0.47	1.83	4.75	12.43	
0810	3750	21.4	9456	46.2	0.41	1.01	4.76	12.60	
0815	4500	21.4	9455	46.8	0.41	1.41	4.76	12.81	
0820	5250	21.5	9450	47.8	0.38	2.11	4.76	12.98	
0825	SAMPLE		Note: FD-2	taken	also	time	= 0830		
0915	STOP Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0825 & 0830 DUP
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	"		
Color	"		
Odor	None		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWL
MW Identification:	AP PZ-4 (610)	Date/Time:	10.14.25 / 1055
Sample Number:		PID Readings: N/A	
Weather Conditions:	Clear, warm		
Wellhead Inspection:	Arg		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	13.65	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	44.40	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	46.41	8. Purge Equipment Used	Per.
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	3500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.C.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1015	START PUMP	—	—	—	—	—	—	13.62	
1020	500	24.4	7248	56.2	1.09	3.38	8.73	15.31	
1025	1000	24.6	7255	51.5	0.76	2.83	8.71	16.05	
1030	1500	24.6	7255	50.0	0.65	2.29	8.75	~~16.76~~ 16.76	
1035	2000	24.6	7253	49.3	0.61	1.99	8.76	17.48	
1040	2500	24.7	7253	48.6	0.59	1.85	8.76	18.05	
1045	3000	24.8	7250	48.3	0.55	0.99	8.76	18.60	
1050	3500	24.8	7247	48.2	0.55	0.94	8.76	19.11	
1055	START SAMPLE								
1130	STOP PUMP								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1055
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	"		
Color	"		
Odor	None		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

10-13-2025

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	RLC
MW Identification:	AP PZ-48	Date/Time:	10 13 25 / 1610
Sample Number:		PID Readings: N/A	
Weather Conditions:	Clear 88°		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	12.98	7. Purge Rate (mL/min)	100 mL
2. Intake Depth (±0.01 ft.)	37.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	38.82	8. Purge Equipment Used	
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	3500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.C.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1530	START PUMP		—	—	—	—	—	12.91	
1535	500	27.1	10554	71.8	0.83	7.09	6.45	14.06	
1540	1000	27.6	10503	60.8	0.62	4.07	6.46	15.33	
1545	1500	27.6	10535	56.7	0.57	5.24	6.46	15.95	
1550	2000	27.0	10498	53.1	0.52	5.81	6.46	16.53	
1555	2500	26.9	10490	50.6	0.47	5.74	6.46	17.41	
1600	3000	26.9	10487	49.3	0.58	6.43	6.51	17.93	
1605	3500	27.1	10488	50.1	0.59	5.13	6.53	18.54	
1610	Start Sample								
1648	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1610
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	No		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES	Sampler Name(s):	AVL
MW Identification: SFL MW-1S continuous	Date/Time:	10-15-25 / 0855
Sample Number:	PID Readings: N/A	0900 Dup
Weather Conditions: Clear, cool		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	17.46	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	28.80	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	30.80	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	7500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 w.l.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0800	START pump	—	—	—	—	—	—	17.38	~~17.38~~
0805	750	20.6	8647	31.1	2.99	25.2	4.30	18.07	~~18.07~~
0810	1500	21.1	8836	38.4	0.87	17.1	4.37	18.10	
0815	2250	21.1	8827	39.4	0.68	28.4	4.38	18.11	
0820	3000	21.3	8825	40.9	0.79	27.1	4.40	18.11	
0825	3750	21.3	8811	41.7	0.31	22.4	4.40	18.12	
0830	4500	21.4	8821	41.7	1.66	16.1	4.41	18.12	
0835	5250	21.6	8797	41.3	0.59	13.6	4.42	18.13	
0840	6000	22.0	8769	40.5	0.57	9.66	4.43	18.13	
0845	6750	22.1	8720		0.55	7.15	4.45	18.14	
0850	7500	22.3	8697	39.9	0.48	5.63	4.46	18.14	
0855	Start Sample →		0900	FD-3	For	dup	MW-1S cont.		
0947	Stop Pump								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used: Per.
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN/ N/A
5. Sample Rate (mL/min): 150
6. Sample Appearance: Clear
   - Turbidity: "
   - Color: "
   - Odor: No
7. Time to recharge (min):
8. Sample Time: 0855 / 0900 Dup
9. Parameter/Container/Pres.: App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: GCSES	Sampler Name(s):	WRC
	MW Identification:	Date/Time:	10/15/25 1345
	Sample Number: SFL MW-2D	PID Readings: N/A	
	Weather Conditions: Hot / clear		
	Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	4.85	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	55.43	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	57.43	8. Purge Equipment Used	
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: none Turbidity: Clay		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: v. light gray			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown W/L	Notes
1400	—							4.90	
1405	750	28.1	6860	69.2	0.88	80.9	5.83	6.80	
1410	1500	28.0	6720	44.5	0.53	31.1	5.81	8.46	
1415	2250	27.9	6695	35.3	0.45	25.5	5.80	9.31	
1420	3000	28.1	6695	30.6	0.41	17.8	5.79	10.25	
1425	3750	27.8	6693	27.0	0.32	11.9	5.78	11.36	
1430	4500	27.1	6691	18.6	0.30	9.8	5.80	12.49	
1435	5250	26.8	6700	13.3	0.28	9.6	5.82	13.60	
1440	6000	27.0	6694	13.4	0.28	4.87	5.83	13.89	
1445	Begin Sample								
1530	Pump off								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1445
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWL
MW Identification: SFL MW-310		Date/Time: 10.16.25 / 0835
Sample Number:		PID Readings: N/A
Weather Conditions: Clear, cool		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	20.34	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	58.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	61.20	8. Purge Equipment Used	Per.
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	8250	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
0735	Start Pump		—	—	—	—	—	20.30	
0740	750	20.9	6518	29.7	1.53	48.3	6.46	20.66	
0745	1500	21.2	6606	35.6	0.87	38.0	6.47	20.68	
0750	2250	21.3	6598	35.4	0.73	36.0	6.47	20.70	
0755	3000	21.2	6584	34.7	0.66	30.3	6.49	20.71	
0800	3750	21.1	6564	33.9	0.62	24.5	6.50	20.71	
0805	4500	21.2	6543	33.4	0.64	19.2	6.51	20.71	
0810	5250	21.2	6518	33.0	0.63	16.7	6.52	20.72	
0815	6000	21.3	6495	32.4	0.61	12.3	6.52	20.72	
0820	6750	21.3	6493	31.7	0.58	9.99	6.53	20.73	
0825	7500	21.6	6475	30.7	0.56	9.15	6.54	20.74	
0830	8250	21.7	6470	30.5	0.54	6.79	6.54	20.74	
0835	Start	Sample							
0902	Stop Pump								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	0835
3. Sampling Equip. Used	Per.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:		9. Other Information:	
Turbidity	Clear		
Color	Clear		
Odor	No		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	10/15/25 1220
Sample Number:	SPL MW-45	PID Readings: N/A	
Weather Conditions:	Hot Clear		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 16.28
2. Intake Depth (±0.01 ft.): 27.26
3. Bottom of casing (±0.01 ft.): 24.26
4. Casing Diameter (inches): 2.0"
5. Actual Volume of Water Purged (mL): 3500
6. Purge Water Characteristics:
   - Odor: None
   - Color: None
   - Turbidity: V, Clear
7. Purge Rate (mL/min): 100
7. Water Level Measuring Equip.: Heatech
8. Purge Equipment Used: PP
9. Dedicated? (Yes/No): Yes / No
10. Immiscibility layer? Yes / No
11. Thickness of immiscible layer:
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A

W/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
	-							16.22	
1225	500	27.2	13026	252.6	0.58	1.26	4.36	16.42	
1230	1000	27.6	13000	270.0	0.41	0.05	4.34	16.65	
1235	1500	27.4	13004	285.3	0.33	1.38	4.33	16.93	
1240	2000	27.4	12987	294.1	0.30	2.13	4.32	17.04	
1245	2500	27.4	12975	302.2	0.29	2.57	4.31	17.17	
1250	3000	27.5	12965	309.5	0.28	1.98	4.30	17.26	
1255	3500	27.5	12940	312.9	0.28	2.56	4.30	17.39	
1300	Start Sample								
1340	Pump off								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used:
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN/ N/A
5. Sample Rate (mL/mln):
6. Sample Appearance:
   - Turbidity:
   - Color:
   - Odor:
7. Time to recharge (min):
8. Sample Time: 1300
9. Parameter/Container/Pres.: App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): PWC
MW Identification:	SFL MW-5D	Date/Time: 10.16.25 / 1055
Sample Number:		PID Readings: N/A
Weather Conditions:	Clear, Warm	
Wellhead Inspection:	Good	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	24.75	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	64.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	67.10	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	5000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor	Turbidity	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color			

±3%	±3%	±10mV	<0.5	<10	±0.1

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ WL	Notes
1000	Start Pump	-	-	-	-	-	-	24.95	
1005	500	24.2	4723	60.8	1.63	28.5	7.38	26.50	
1010	1000	24.7	4800	46.3	0.95	18.7	7.40	27.14	
1015	1500	25.1	4857	32.4	0.82	18.5	7.35	27.80	
1020	2000	24.9	4803	26.5	0.78	17.1	7.39	28.28	
1025	2500	25.0	4804	19.7	0.77	16.9	7.39	28.80	
1030	3000	25.6	4756	17.9	0.76	19.2	7.39	29.33	
1035	3500	26.3	4798	14.7	0.76	19.6	7.39	29.87	
1040	4000	26.5	4795	13.7	0.79	19.4	7.37	30.21	
1045	4500	26.5	4740	13.4	0.83	20.0	7.37	30.50	
1050	5000	26.4	4759	13.6	0.87	19.5	7.60	30.82	
1055	Sample								
1140	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):		10. Decontamination Procedures:	
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1055	Alconox/DI Rinse	
3. Sampling Equip. Used	Peristal.	9: Parameter/Container/Pres.		11. Instrument type: YSI ProSeries	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A	App. III and App. IV CCR Parameters		Calibration Date:	
5. Sample Rate (mL/min)	100	Na, Mg, K, Fe, Al, Alkalinity		Calibration Time:	
6. Sample Appearance:	Slight cloudy				
Turbidity	"	9. Other Information:			
Color	"				
Odor	None				

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

*WRC Collects FBA @1000

SAMPLED WITH BAILER

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: GCSES	Sampler Name(s): WRC
	MW Identification:	Date/Time: 10/15/2025 1600
	Sample Number: SFL MW-6D	PID Readings: N/A
	Weather Conditions:	
	Wellhead Inspection:	

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) _____
2. Intake Depth (±0.01 ft.) _____
3. Bottom of casing (±0.01 ft.) _____
4. Casing Diameter (inches) _____
5. Actual Volume of Water Purged (mL) _____
6. Purge Water Characteristics:

Odor _____ Turbidity _____

Color _____

7. Purge Rate (mL/min) –
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used Bailer
9. Dedicated? (Yes/No) Yes / No
10. Immiscibility layer? Yes / No
11. Thickness of immiscible layer _____
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

±3% ±3% ±10mV <0.5 <10 ±0.1 W/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
								66.07	
1610		23.2	5282	116.3	2.57	71.00	7.03		

1. Well evacuated to dryness? Yes (No)
2. Sample Filtered? (Yes) / No
3. Sampling Equip. Used _____
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A
5. Sample Rate (mL/min) _____
6. Sample Appearance: _____
   - Turbidity _____
   - Color _____
   - Odor _____
7. Time to recharge (min): _____
8. Sample Time: 1610
9. Parameter/Container/Pres.: App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information: _____
10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
    Calibration Date: _____
    Calibration Time: _____

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	WRC
MW Identification:		Date/Time:	10/15/25 1030
Sample Number:	SFL MW-75	PID Readings: N/A	
Weather Conditions:	Warm / Clear		
Wellhead Inspection:			

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	16.30	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	27.15	7. Water Level Measuring Equip.	Dreftech
3. Bottom of casing (±0.01 ft.)	29.15	8. Purge Equipment Used	PP
4. Casing Diameter (inches)	2.0"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: None Turbidity	Clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ W/L	Notes
1045	-							16.42	
1050	750	25.1	16692	93.1	0.68	13.9	5.55	16.50	
1055	1500	25.1	16675	80.2	0.42	4.41	5.59	16.56	
1100	2250	25.2	16082	69.4	0.26	3.82	5.63	16.58	5.62 for pH
1105	3000	25.3	15507	65.1	0.27	1.65	5.68	16.59	5.68 for pH
1110	3750	25.2	15180	59.6	0.25	2.51	5.70	16.60	
1115	4500	25.5	14760	50.2	0.23	2.09	5.73	16.60	
1120	5250	25.4	14570	44.4	0.22	3.50	5.74	16.60	
1125	6000	25.5	14482	41.6	0.20	4.43	5.76	16.60	
1130	Begin Sample								
~1155	Pump off								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1130
3. Sampling Equip. Used		9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)			
6. Sample Appearance:		9. Other Information:	
Turbidity			
Color			
Odor			

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

* WRC collects FB-3 @ 1210

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): RLC
MW Identification: SFL MW-8S		Date/Time: 10.15.25 / 1110
Sample Number:		PID Readings: N/A
Weather Conditions: Clear, Warm		
Wellhead Inspection: Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	11.92	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	21.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	23.00	8. Purge Equipment Used	Peri.
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	4,500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No / Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1035	Start Pump	—	—	—	—	—	—	11.89	
1040	750	25.3	6198	82.7	1.18	5.53	3.93	12.13	
1045	1500	25.6	6202	72.1	0.54	2.53	3.87	12.18	
1050	2250	25.6	6199	71.7	0.46	2.02	3.87	12.21	
1055	3000	25.8	6163	71.2	0.43	1.44	3.87	12.22	
1100	3750	25.9	6149	71.4	0.41	0.93	3.87	12.22	
1105	4500	26.0	6167	71.7	0.39	0.57	3.87	12.23	
1110	Start Sample								
1132	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1110
3. Sampling Equip. Used	Peri.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	"		
Color	"		
Odor	No		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	Dave
MW Identification:	SFL MW-8D	Date/Time:	10.15.25 / 1255
Sample Number:		PID Readings: N/A	
Weather Conditions:	Clear, very warm		
Wellhead Inspection:	Good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	10.32	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	44.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	56.06	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	4500	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No / Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear	±3% ±3% ±10mV <0.5 <10 ±0.1		W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1220	START PUMP	—	—	—	—	—	—	10.26	
1225	750	26.0	2718	47.8	0.96	17.8	6.58	11.26	
1230	1500	26.0	2630	62.3	0.66	7.22	6.63	11.70	
1235	2250	25.9	2626	56.0	0.64	5.45	6.63	11.99	
1240	3000	25.9	2626	52.1	0.54	5.91	6.63	12.1	
1245	3750	25.9	2627	49.4	0.48	4.47	6.61	12.28	
1250	4500	25.9	2625	49.1	0.49	4.10	6.61	12.36	
1255	START SAMPLE								
1320	STOP PUMP								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1255
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	"		
Color	"		
Odor	No		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): RWL
MW Identification: SFL MW-15 D		Date/Time: 10-15-25 / 1435
Sample Number:		PID Readings: N/A
Weather Conditions: Clear, hot		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	6.58	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	50.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	52.45	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	6000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: No Turbidity: Clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

±3% ±3% ±10mV <0.5 <10 ±0.1 W.L.

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
1400	Start Pump	—	—	—	—	—	—	6.49	
1405	1000	26.1	4612	645.7	0.72	13.0	-2.37	7.34	
1410	2000	26.3	4613	23.6	0.47	9.68	6.43	7.40	
1415	3000	26.2	4612	21.6	0.39	8.99	6.42	7.43	
1420	4000	26.2	4604	19.5	0.35	8.16	6.41	7.46	
1425	5000	26.3	4610	19.0	0.34	7.41	6.40	7.48	
1430	6000	26.1	4600	19.2	0.32	6.75	6.40	7.50	
1435	Start Sample								
1448	Shut off pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1435
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	Clear	9. Other Information:	
Turbidity	"		
Color	"		
Odor	No		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

November 2025 Event

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES
MW Identification: AP MW-1
Sample Number:
Weather Conditions: Clouds, Sunny 24°C, Windy
Wellhead Inspection:
Sampler Name(s): E Foley
Date/Time: 11-18-25 0955
PID Readings: N/A

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.83 ~~10.47~~	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	24.00	7. Water Level Measuring Equip.	Oreotech meter
3. Bottom of casing (±0.01 ft.)	26.01	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2in	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	7.5	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: NA Turbidity	low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: Clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	WL ~~Drawdown~~	Notes
0915								15.68	
0917	Start Purge								
0920	1.00	23.4	2021	65.1	0.57	0.02	5.44	15.86	Flow Fr: 200
0925	1.75	23.4	2009	52.9	0.23	0.02	5.46	15.88	
0930	3.00	23.4	1993	30.7	0.16	0.02	5.47	15.90	
0935	3.75	23.4	1991	29.5	0.12	0.02	5.47	15.93	
0940	4.75	23.4	1977	32.2	0.10	0.02	5.48	15.94	
0945	6.00	23.5	1981	35.0	0.09	0.02	5.48	15.93	
0950	6.75	23.5	1988	35.7	0.08	0.02	5.47	15.94	
0955	Sample								
1015	Pump off								

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / No	8. Sample Time:	0955
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:			
Turbidity	low	9. Other Information:	ASDS
Color	NA		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**

MW Identification: AP MW-1D

Sample Number:

Weather Conditions: light winds, sunny 20°C

Wellhead Inspection: good, old

Sampler Name(s): E. Foley

Date/Time: 11/11/25 1505

PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 16.97
2. Intake Depth (±0.01 ft.) 41.00
3. Bottom of casing (±0.01 ft.) 43.03
4. Casing Diameter (inches) 2in
5. Actual Volume of Water Purged (mL)
6. Purge Water Characteristics:
   - Odor N/A
   - Color tinge yellow (barely)
   - Turbidity clear
7. Purge Rate (mL/min) 300
7. Water Level Measuring Equip.
8. Purge Equipment Used peristaltic
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer NA
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	water level Drawdown	Notes FR
1425	Start PUMP	—	—	—	—	—	—	16.82	
1430	purge starts	—	—	—	—	—	—	—	
1435	1.5	22.8	1238	200.1	1.00	1.04	6.06	17.28	300
1446	3.0	22.8	1247	191.0	.40	1.11	6.05	17.28	~~150~~ 300
1445	4.5	22.8	1254	182.3	.24	6.46	6.04	17.26	
1450	5.5	22.8	1255	180.2	.20	0.63	6.04	17.28	
1455	7.0	22.8	1256	177.5	.21	0.02	6.03	17.28	
1500	~8.5	22.8	1257	176.0	.18	0.02	6.03	17.29	
1505	Sample								
1520	PUMP OFF								

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used peristaltic
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)
5. Sample Rate (mL/min) 300
6. Sample Appearance:
   - Turbidity clear
   - Color N/A
   - Odor N/A
7. Time to recharge (min): NA
8. Sample Time: 1505
9. Parameter/Container/Pres.
   App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:

10. Decontamination Procedures:
    Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**
MW Identification: AP MW-10
Sample Number:
Weather Conditions: Cloudy 72°F
Wellhead Inspection:

Sampler Name(s): E. Foley
Date/Time: 11-18-25 0835
PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 16.97
2. Intake Depth (±0.01 ft.) 41.00
3. Bottom of casing (±0.01 ft.) 43.03
4. Casing Diameter (inches) 2in
5. Actual Volume of Water Purged (mL) 7.5 L
6. Purge Water Characteristics:
   Odor NA Turbidity low
   Color NA
7. Purge Rate (mL/min) 200
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used Peristaltic
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer NA
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	WL ~~Drawdown~~	Notes
0755	Start	pump	-	-	-	-	-	16.74	
0758	Start	purge	-	-	-	-	-	-	
0800	2.0	23.0	1127	64.0	2.12	1.62	5.99	16.96	
0805	2.0	23.0	1144	65.9	0.51	0.02	5.95	17.02	
0810	2.75	23.0	1153	63.6	0.32	0.02	5.97	17.03	
0815	4.00	23.0	1157	58.9	0.19	0.02	5.97	17.03	
0820	4.75	23.1	1157	56.2	0.17	0.02	5.97	17.05	
0825	6.00	23.0	1161	52.5	.14	0.02	5.96	17.05	
0830	7.00	23.1	1162	49.5	0.12	0.02	5.97	17.05	
0835	Sample								
0855	pump	off							

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used Peri PUMP
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ (N/A)
5. Sample Rate (mL/min) 200
6. Sample Appearance:
   Turbidity low
   Color NA
   Odor NA
7. Time to recharge (min): NA
8. Sample Time: 0835
9. Parameter/Container/Pres.
   App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information: ASD 5
10. Decontamination Procedures:
    Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): E. Foley
MW Identification: AP MW-3		Date/Time: 11-12-25 / 1110
Sample Number:		PID Readings: N/A
Weather Conditions:	Sunny, 20°C	
Wellhead Inspection:	good, old	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.08	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	~41.00	7. Water Level Measuring Equip.	Water Geotech
3. Bottom of casing (±0.01 ft.)	43.44 ~~43.45~~	8. Purge Equipment Used	Peri
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (~~N~~L)	21.0	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: NA Turbidity	low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (~~N~~L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~WL~~ Drawdown	Notes
0940	Pump on	–	–	–	–	–	–	14.97	
0942	Purge start	–	–	–	–	–	–		
0945	1.0	23.6	1639	276.7	.51	3.43	5.15	15.25	
0950	2.5	23.5	1630	271.8	.23	1.81	5.12	15.29	
0955	3.5	23.5	1622	271.4	.17	0.02	5.13	15.30	
1000	4.5	23.4	1609	272.8	0.15	0.02	5.12	15.35	
1005	6.0	23.4	1595	270.5	0.18	2.44	5.14	15.37	
1010	7.25	23.5	1621	258.4	0.16	0.25	5.07	15.32	
1015	8.5	23.5	1608	247.5	0.17	0.38	5.08	15.39	
1020	9.5	23.5	1590	227.6	0.20	0.02	5.09	15.38	
1025	10.5	23.5	1573	208.0	0.18	0.02	5.09	15.40	
1030	12	23.6	1578	194.9	0.17	0.02	5.11	15.40	
1035	13	23.6	1585	167.0	0.16	1.63	5.06	15.39	
1040	14.5	23.6	1634	163.1	0.06	0.02	5.05	15.38	
1045	15.5	23.6	1618	149.5	0.06	0.02	5.06	15.39	
1050	17.0	23.6	1597	139.9	0.06	0.02	5.07	15.38	
1055	18.5	23.6	1580	123.2	0.06	0.02	5.07	15.38	
1100	19.5	23.5	1581	117.1	0.06	0.02	5.08	15.39	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1110
3. Sampling Equip. Used	Peri	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	CCR
Turbidity	low		
Color	NA		
Odor	NA		

ORP destabilized after ~25 min

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	**See attached calibration documentation**		
Conduct.			
ORP			
D.O			
Turbidity			

AP CCR

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES**

MW Identification: AP MW-3

Sample Number:

Weather Conditions:

Wellhead Inspection:

Sampler Name(s): W. Foley

Date/Time: 11-12-25 1110

PID Readings: **N/A**

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1105	20.5	23.6	1581	~~105~~ 113.8	(0.07) 0.02		5.07	15.40	
1110	Sample								
1140	PUMP	OFF	(took dup)						

+20 - dup time?

~~+25~~ 1125 dup

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	F Li
MW Identification:	AP MW-3D	Date/Time:	11/18/25
Sample Number:		PID Readings: N/A	
Weather Conditions:	Mostly sunny, calm 70's		
Wellhead Inspection:	good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	14.17	7. Purge Rate (mL/min)	80
2. Intake Depth (±0.01 ft.)	~54.86	7. Water Level Measuring Equip.	Geotech WLM
3. Bottom of casing (±0.01 ft.)	56.86	8. Purge Equipment Used	LF Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	9100	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity	low	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1605								1306	
1615	750	27.8	1930	46.6	2.18	4.35	5.61	14.12	
1620	1250	27.1	1815	26.6	1.40	6.44	5.46	14.30	
1625	1750	26.7	1784	29.0	1.09	12.1	5.43	14.65	
1630	2250	26.7	1771	25.5	0.99	14.3	5.43	14.76	
1635	2750	26.7	1771	24.0	0.93	14.9	5.42	14.82	flow reduced ~80
1640	3150	27.2	1787	24.7	0.93	11.7	5.41	14.71	
1645	3550	26.2	1811	27.1	0.91	12.1	5.38	14.78	
1650	3950	26.2	1878	29.3	0.84	11.1	5.33	14.88	
1655	4350	26.1	1901	30.8	0.36	14.1	5.34	14.96	
1700	4750	26.2	1909	31.2	0.26	11.3	5.32	14.97	
1705	5150	26.4	1967	32.4	0.26	13.6	5.32	14.86	
1710	5550	26.8	1964	34.4	0.24	12.2	5.27	14.86	
1715	5950	25.5	2012	35.6	0.24	9.33	5.26	14.86	
1720	6350	25.2	2064	37.4	0.31	9.69	5.25	14.88	
1725	6750	24.9	2029	37.2	0.25	11.5	5.25	14.89	flow lowered ~80
1730	7150	24.9	1990	37.9	0.35	13.9	5.27	14.97	
1735	7500	24.9	1997	39.7	0.27	11.8	5.24	14.99	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1755
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/ N/A	~~App. III and App. IV CCR Parameters~~	
5. Sample Rate (mL/min)	80	~~Na, Mg, K, Fe, Al, Alkalinity~~	A-SD
6. Sample Appearance:	good		
Turbidity	low	9. Other Information:	
Color	clear	Flow keeps jumping up randomly	
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES** | Sampler Name(s): FLI

MW Identification: AP MW-3D | Date/Time: 11/13/25

Sample Number: | PID Readings: N/A

Weather Conditions: mostly sunny, calm, 70's

Wellhead Inspection: good

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1740	7900	24.6	2073	59.2	0.26	10.6	5.23	15.05	flow lowered
1745	8300	24.6	2038	55.2	0.26	8.06	5.23	15.04	
1750	8700	24.7	2038	54.5	0.22	8.87	5.22	15.03	
1755	9100	24.7	2086	54.2	0.36	6.38	5.22	15.01	
1755									SAMPLE
1850									PUMP OFF

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	F L.
MW Identification:	APMW - 4	Date/Time:	11/11/25
Sample Number:		PID Readings:	N/A
Weather Conditions:	Sunny, windy, 70's		
Wellhead Inspection:	average		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	(Yes) / ~~No~~ possible	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.34	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	~~51.90~~ 49.83	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	53.90	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	9100	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: odorless	Turbidity: clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: clear			

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10	D.O. (mg/L) ±10% ≥0.5	Turbidity (NTU) ±10%	pH ±0.1	Drawdown	Notes
1610								15.34	START
1615	1000	22.2	4628	61.3	0.43	1.94	5.56	16.03	
1620	2800	22.0	4574	45.8	1.24	1.27	5.57	16.12	
1625	3200	22.0	4534	42.2	1.12	1.41	5.57	16.11	
1630	4300	22.0	4485	38.6	0.38	2.01	5.57	16.15	
1635	5300	22.0	4619	35.7	0.26	1.51	5.57	16.18	
1640	6300	22.0	4559	31.6	0.50	2.58	5.57	16.18	
1645	7300	21.9	4499	29.1	0.25	2.47	5.57	16.21	
1650	8200	21.9	4458	27.3	0.11	4.47	5.58	16.21	
1655	9100	21.9	4425	24.8	0.16	1.51	5.58	16.21	
1655									SAMPLE
1720									PUMP OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1655
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	good	9. Other Information:	Extremely difficult getting tubing down well caught on casing ~25 ft and ~40 ft depth.
Turbidity	low		
Color	colorless		
Odor	odorless		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): JMT
MW Identification:	AP MW-4S	Date/Time: 11/18/25
Sample Number:		PID Readings: **N/A**
Weather Conditions:		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	20.19	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	36.88	7. Water Level Measuring Equip.	geotech
3. Bottom of casing (±0.01 ft.)	38.88	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	10000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none	Turbidity: clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: none			

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10	D.O. (mg/L) <10	Turbidity (NTU) <10	pH ±0.1	~~Drawdown~~ WL	Notes
1005									
1010									
1015	1500	23.1	2636	-85.0	0.40	7.00	5.55	20.26	pump start
1020	3000	23.0	2444	-103.0	0.28	6.02	5.35	20.42	purge start
1025	4060	23.1	2124	-100.2	0.22	1.07	4.95	20.43	
1030	5000	23.1	1481	-44.5	0.20	0.02	3.78	20.43	
1035	6000	23.2	1446	25.9	0.18	0.02	3.85	20.49	
1040	7060	23.3	1451	46.6	0.17	0.02	3.85	20.44	
1045	8000	23.2	1453	51.0	0.16	0.02	3.82	20.44	
1050	4000	23.2	1453	47.3	0.15	0.02	3.81	20.45	
1115								20.45	sample
									Rinse
									pump stop

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1050
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200	9. Other Information:	
6. Sample Appearance:			
Turbidity	clear		
Color	none		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES** | Sampler Name(s): EMT

MW Identification: AP MW-5 | Date/Time: 11/11/25

Sample Number: | PID Readings: **N/A**

Weather Conditions:

Wellhead Inspection: average

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / No	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	16.05	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	41.15	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	43.15	8. Purge Equipment Used	Peristaltic pump
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	10000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none	Turbidity: clear/low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity ~~µs~~/cm ms ±10	ORP (mV)	D.O. (mg/L)	Turbidity (NTU) ±10% <0.5	pH	Level ~~Drawdown~~ water	Notes
1547	pump start							16.12	
1545	purge start								
1550	2000	22.4	5.57	303.2	0.87	20.4	3.25	16.496	
1556	4000	22.1	5.52	312.7	0.75	0.02	3.26	16.52	
1600	5000	22.1	5.52	322.4	0.74	0.02	3.26	16.50	
1605	6000	22.5	5.54	329.2	0.66	0.02	3.26	16.50	
1610	7000	22.6	5.54	332.4	0.74	0.02	3.26	16.50	
1615	8000	22.4	5.53	334.8	0.71	0.02	3.26	16.51	
1620	9000	22.4	5.55	337.4	0.68		3.26	16.51	
1625	sample	start							
1640	pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1625
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear/low		
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): F Li
MW Identification: AP MW-5D		Date/Time: 11/18/25
Sample Number:		PID Readings: **N/A**
Weather Conditions: partly cloudy, calm, 80's		
Wellhead Inspection: good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	15.60	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	~54.10	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	56.10	8. Purge Equipment Used	LF Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	22000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none	Turbidity: low	12. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN / N/A
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0755								16.20	START Pump
0800	500	22.9	6982	218.7	3.35	133	3.81	16.45	
0805	1000	22.7	7377	147.5	0.77	140	3.85	16.47	
0810	1500	22.9	7353	137.0	0.51	136	3.86	16.46	
0815	2000	23.0	7328	147.6	0.41	119	3.85	16.48	
0820	2500	23.0	7257	165.2	0.37	78.0	3.84	16.49	
0825	3000	23.0	7216	176.6	0.35	59.0	3.82	16.49	
0830	3500	23.0	7125	188.0	0.35	47.8	3.78	16.51	
0835	4000	23.2	7119	198.0	0.38	40.9	3.77	16.51	
0840	4500	23.2	7095	202.3	0.36	26.1	3.74	16.51	
0845	5000	23.4	7018	201.9	0.35	26.8	3.73	16.51	
0850	5500	23.3	7004	199.5	0.32	20.7	3.75	16.51	
0855	6000	23.1	7041	192.7	0.31	22.4	3.78	16.54	
0900	6500	23.0	7053	188.0	0.28	18.3	3.79	16.58	lowered flow ~100
0905	7000	23.0	7066	183.2	0.28	16.9	3.81	16.55	
0910	7500	23.2	7154	186.2	0.28	18.5	3.82	16.55	
0915	8000	23.4	7236	187.6	0.27	17.6	3.83	16.55	
0920	8500	23.5	7289	188.5	0.27	17.0	3.85	16.55	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1135
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/ N/A	~~App. III and App. IV CCR Parameters~~	
5. Sample Rate (mL/min)	100	~~Na, Mg, K, Fe, Al, Alkalinity~~	ASD
6. Sample Appearance:	good		
Turbidity	low	9. Other Information:	
Color	clear		
Odor	none		

10. Decontamination Procedures:
Alconox/DI RInse

11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES**		Sampler Name(s): F L.
MW Identification: AP MW - 5D		Date/Time: 11/18/25
Sample Number:		PID Readings: **N/A**
Weather Conditions: partly cloudy, calm, 80s		
Wellhead Inspection: good		

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0925	9000	24.1	7347	191.6	0.26	15.5	3.87	16.56	
0930	9500	24.5	7426	189.4	0.28	15.3	3.87	16.56	
0935	10000	24.3	7408	193.5	0.29	16.6	3.87	16.56	
0940	10500	24.6	7417	198.3	0.28	19.7	3.88	16.56	
0945	11000	24.8	7586	199.8	0.28	17.3	3.88	16.56	
0950	11500	24.7	7604	192.3	0.25	16.7	3.88	16.56	
0955	12000	25.1	7644	196.9	0.30	15.9	3.89	16.55	
1000	12500	25.3	7672	200.3	0.30	15.6	3.89	16.56	
1005	13000	25.0	7650	197.4	0.31	15.4	3.89	16.56	
1010	13500	25.3	7652	202.6	0.30	16.6	3.89	16.56	
1015	14000	24.3	7502	188.0	0.31	14.6	3.90	16.57	
1020	14500	24.3	7726	190.4	0.31	13.3	3.90	16.57	
1025	15000	24.6	7773	185.6	0.29	12.7	3.91	16.57	
1030	15500	25.0	7767	190.0	0.35	12.0	3.91	16.57	
1035	16000	25.2	7898	209.4	0.36	11.5	3.91	16.57	
1040	16500	25.5	7938	215.9	0.41	10.9	3.91	16.57	
1045	17000	25.4	7930	206.4	0.38	11.2	3.91	16.57	
1050	17500	25.2	7912	214.6	0.36	10.4	3.91	16.56	
1055	18000	25.2	7858	196.3	0.40	10.9	3.91	16.56	
1100	18500	25.2	7885	205.8	0.44	11.8	3.91	16.56	
1105	19000	24.9	7812	182.4	0.32	12.4	3.90	16.56	
1110	19500	24.8	7801	168.0	0.19	10.9	3.89	16.57	
1115	20000	25.0	7894	176.1	0.41	10.5	3.90	16.57	
1120	20500	25.3	7946	186.7	0.29	10.2	3.90	16.57	
1125	21000	25.1	7934	194.1	0.47	9.74	3.90	16.57	
1130	21500	25.2	7950	196.9	0.42	9.04	3.90	16.57	
1135	22000	24.5	7851	188.5	0.32	8.44	3.90	16.57	
1135									SAMPLE
1221									PUMP OFF

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	JMT
MW Identification:	APMW-75	Date/Time:	11/18/25
Sample Number:		PID Readings: N/A	
Weather Conditions:	cloudy		
Wellhead Inspection:	average		

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 22.40
2. Intake Depth (±0.01 ft.): 36.75
3. Bottom of casing (±0.01 ft.): 38.75
4. Casing Diameter (inches): 2
5. Actual Volume of Water Purged (mL): 6500
6. Purge Water Characteristics:
   - Odor: none
   - Color: none
   - Turbidity: clear
7. Purge Rate (mL/min): 100
7. Water Level Measuring Equip.: geotech
8. Purge Equipment Used: perisaltic
9. Dedicated? (Yes/No): Yes / No
10. Immiscibility layer? Yes / No
11. Thickness of immiscible layer: N/A
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
		±3%	±3%	±10	<0.5	<10	±0.1	WL	
0800									
0805	500	22.4	5201					22.03	Pump start
0810	500	22.4	5301	9.1	0.83	0.02	6.54		purge start
0815	1000	22.4	5437	9.1	0.85	0.02	6.54	22.50	
0820	1500	22.4	5466	-7.6	0.55	0.02	6.51	23.14	
0825	2000	22.4	5356	-18.4	0.38	0.02	6.47	23.69	
0830	2500	22.4	5337	-23.5	0.32	0.02	6.40	23.97	
0835	3000	22.6	4992	-22.2	0.29	0.02	6.08	24.23	
0840	3500	22.6	4869	#11.9	0.26	0.02	5.26	24.46	
0845	4000	20.7	4833	#7.2	0.25	0.02	4.94	24.68	
0850	4500	22.6	4807	#4.9	0.24	0.02	4.87	24.81	
0855	5000	22.7	4779	#8.8	0.23	0.02	4.79	24.99	
0900	5500	22.6	4774	#6.2	0.23	0.02	4.70	25.12	
0905	6000	22.6	4763	92.1	0.21	0.02	4.67	25.28	
0910				#4.5	6.21	0.02	4.65	25.48	
0940									sample time
									pump stop

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used: perisaltic
4. Drive Gas (Air/Nitrogen): AIR/NITROGEN/ N/A
5. Sample Rate (mL/min): 100
6. Sample Appearance:
   - Turbidity: clear
   - Color: none
   - Odor: none
7. Time to recharge (min): N/A
8. Sample Time: 0910
9. Parameter/Container/Pres.: **App. III and App. IV CCR Parameters**
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): F Li
MW Identification:	AP MW-7D	Date/Time: 11/20/25
Sample Number:		PID Readings: N/A
Weather Conditions:	Partly cloudy, calm, 80's	
Wellhead Inspection:	good	

Visual inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (ND)
3. Casing Degradation:	Yes / (ND)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (ND)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	25.88	7. Purge Rate (mL/min)	~100
2. Intake Depth (±0.01 ft.)	55.35	7. Water Level Measuring Equip.	Geotech WLM
3. Bottom of casing (±0.01 ft.)	57.35	8. Purge Equipment Used	LF Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	10300	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity	<10	12. Drive Gas (Air/Nitrogen)	(AIR) NITROGEN / N/A
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1440								23.73	START
1445	130	27.8	4904	2.3	3.05	8.91	6.91	24.41	
1450	700	26.8	4831	-18.7	1.75	41.2	6.89	24.63	~130mL/min
1455	1300	26.5	4765	-39.2	1.00	184	6.91	24.96	
1500	2300	26.1	4744	-50.9	0.56	164	6.91	25.65	flow increase ~200 mL/min
1505	4300	24.4	4678	-31.4	2.46	116	6.94	26.76	
1510	5300	23.7	4533	-25.2	1.39	55.0	6.92	28.66	
1515	5800	24.6	4630	-26.2	1.37	26.6	6.92	28.80	
1520	6300	25.0	4636	-22.8	1.22	31.9	4.91	29.18	~100mL/min
1525	6800	25.4	4659	-28.7	0.73	71.0	6.90	29.89	
1530	7300	25.5	4643	-31.3	0.67	24.7	6.90	30.25	
1535	7900	25.7	4707	-30.7	0.67	21.8	6.89	30.69	
1540	8300	25.3	4650	-31.6	0.69	15.9	6.90	30.98	
1545	8800	25.5	4651	-32.4	0.69	13.1	6.90	31.45	
1550	9300	25.9	4748	-31.8	0.73	9.42	6.89	31.96	
1555	9800	25.3	4675	-31.6	0.68	9.73	6.89	32.24	
1600 ~~1555~~	10300	25.3	4649	-33.2	0.70	6.72	6.89	32.53	
1600									SAMPLE
1645									PUMP OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1600
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	
4. Drive Gas (Air/Nitrogen)	(AIR) NITROGEN/ ~~N/A~~	~~App. III and App. IV CCR Parameters~~	
5. Sample Rate (mL/min)	~100	~~Na, Mg, K, Fe, Al, Alkalinity~~ ASD	
6. Sample Appearance:	good		
Turbidity	<10	9. Other Information:	
Color	none		
Odor	none		

10. Decontamination Procedures: Alconox/DI Rinse

11. Instrument type: YSI ProSeries

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): E. Foley
MW Identification: [redacted] AP PZ-1		Date/Time: 11-18-25
Sample Number:		PID Readings: N/A
Weather Conditions: Partly-mostly Cloudy 25°C		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	09.82	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	27.00	7. Water Level Measuring Equip.	Geotech meter
3. Bottom of casing (±0.01 ft.)	29.58	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2in	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor NA Turbidity	low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color NA			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ WL	Notes
1048	start	PUMP						9.58	
1050	start	purge	-	-	-	-	-	-	Fr. 100
1055	1.0	24.9	8551	44.8	0.42	3.85	4.68	10.60	
1100	1.5	24.4	8507	23.6	0.28	1.45	4.70	10.45	
1105	2.0	24.8	8510	14.4	0.22	0.02	4.70	11.12	
1110	2.75	24.4	8500	5.9	0.17	6.45	4.71	11.45	
1115	3.50	24.6	8460	1.6	0.16	0.02	4.71	11.61	
1120	4.0	24.4	8470	-3.7	0.14	24.28	4.72	11.80	
1125	4.5	24.4	8458	-7.4	0.13	7.55	4.73	12.02	
1130	sample								
	~~stop pump~~								
1135	had to turn up purge rate @ 500mL in flat bottle, lost overhead								Fr still 100 - 150
1155	Pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1130
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	ASD purging @ lowest rate possible, lost pressure while sampling and had to turn up purgerate
Turbidity	low		
Color	NA		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s):	FLI
MW Identification:	AP PZ-4	Date/Time:	11/13/25
Sample Number:		PID Readings: N/A	
Weather Conditions:	hot, partly cloudy, 80's		
Wellhead Inspection:	average		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	12.83	7. Purge Rate (mL/min)	50
2. Intake Depth (±0.01 ft.)	~ 44.4	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	46.41	8. Purge Equipment Used	LF Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	3750	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	--
Odor: none Turbidity	low	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1255								11.50	PUMP ON
1300	250	25.3	6479	16.4	1.87	8.78	8.84	12.60	
1305	500	26.4	6645	53.0	1.23	10.0	8.66	12.75	
1310	750	27.5	6795	-66.7	1.03	5.45	8.71	12.92	
1315	1000	27.0	6749	-74.2	0.81	5.72	8.80	13.35	
1320	1250	26.9	6736	-75.3	0.62	7.37	8.74	13.72	
1325	1500	27.0	6723	-65.1	0.50	8.95	8.77	14.03	
1330	1750	27.1	6738	-61.6	0.45	7.57	8.73	14.32	
1335	2000	27.6	6794	-47.4	0.44	5.25	8.67	14.59	
1340	2250	27.7	6829	-35.5	0.43	6.00	8.70	14.87	
1345	2500	27.3	6769	-16.9	0.42	8.65	8.69	15.13	
1350	2750	27.1	6740	-4.3	0.41	8.74	8.76	15.43	
1355	3000	27.5	6787	2.5	0.43	5.18	8.69	15.71	
1400	3250	27.4	6786	9.4	0.44	6.61	8.74	15.93	
1405	3500	27.5	6786	14.1	0.39	4.60	8.73	16.18	
1410	3750	27.2	6768	15.8	0.39		8.73	16.39	
1410									SAMPLE
1540									PUMP OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1410
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	
4. Drive Gas (Air/Nitrogen)	(AIR) NITROGEN/ N/A	~~App. III and App. IV CCR Parameters~~	
5. Sample Rate (mL/min)	50	~~Na, Mg, K, Fe, Al, Alkalinity~~	ASD
6. Sample Appearance:	good		
Turbidity	low	9. Other Information:	
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES** | Sampler Name(s): JMT

MW Identification: AP PZ-45 | Date/Time: 11/17/25

Sample Number: | PID Readings: N/A

Weather Conditions: cloudy

Wellhead Inspection: average

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 12.32
2. Intake Depth (±0.01 ft.) 36.80
3. Bottom of casing (±0.01 ft.) 38.80
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL)
6. Purge Water Characteristics:
   - Odor: none
   - Color: none
   - Turbidity: clear
7. Purge Rate (mL/min) 100
7. Water Level Measuring Equip. Interface
8. Purge Equipment Used Peristaltic
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10	D.O. (mg/L) ±10% or <0.5	Turbidity (NTU) ±10% or <10	pH ±0.1	~~DTW~~ Drawdown	Notes
0850									
0852									
0855	1000	23.2	8612	-61.1	0.74			12.69	pump start
0900	2000	23.4	8611	-74.4	0.51	8.47	6.41	13.73	purge start
0905	2500	23.5	8603	-77.7	0.46	0.23	6.42	15.14	
0910	3000	23.6	8610	-82.4	0.42	0.02	6.42	15.78	
0915	4000	23.5	8601	-91.9	0.39	0.02	6.42	16.41	
0920	4500	23.7	8612	-100.1	0.43	0.02	6.42	17.31	
0925	5000	23.7	8549	-120.8	0.40	0.02	6.42	17.83	
0930	5500	23.8	8575	-134.3	0.39	0.02	6.41	18.55	
0935	6000	23.8	8555	-139.4	0.37	0.02	6.41	18.97	
0940	6500	23.9	8543	-153.7	0.35	0.08	6.40	19.49	
0945	7000	23.8	8533	-157.8	0.42	0.02	6.39	20.02	
0950							6.37	20.49	
1020									
1050									sample time
									dup time
									pump stop

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used Peristaltic pump
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)
5. Sample Rate (mL/min) 100
6. Sample Appearance:
   - Turbidity: clear
   - Color: none
   - Odor: none
7. Time to recharge (min): N/A
8. Sample Time: 0950
9. Parameter/Container/Pres.: **App. III and App. IV CCR Parameters**
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information: FD-4
10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES** | Sampler Name(s): F Li

MW Identification: MNW - 15 | Date/Time: 11/12/25

Sample Number: ~~MW~~ | PID Readings: **N/A**

Weather Conditions: sunny, hot, 80's

Wellhead Inspection: average

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 8.06
2. Intake Depth (±0.01 ft.): 25.0
3. Bottom of casing (±0.01 ft.): 27.0
4. Casing Diameter (inches): 2
5. Actual Volume of Water Purged (mL): 9000
6. Purge Water Characteristics:
   - Odor: odor less
   - Color: c/l/o
   - Turbidity: low
7. Purge Rate (mL/min): 200
7. Water Level Measuring Equip.: Geotech
8. Purge Equipment Used: peristaltic
9. Dedicated? (Yes/No): Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer: —
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN (N/A)

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1550								7.91	START
1555	1000	25.8	4255	289.3	1.86	1.89	3.51	8.10	
1600	2000	25.8	4318	291.9	1.38	0.02	3.50	8.14	
1605	3000	25.7	4349	299.8	1.02	0.02	3.50	8.16	
1610	4000	25.5	4332	304.9	0.88	0.02	3.49	8.17	
1615	5000	25.4	4289	307.7	1.09	0.02	3.48	8.17	
1620	6000	25.5	4310	303.8	1.25	0.02	3.49	8.17	Shook Flow ce
1625	7000	25.3	4287	302.6	0.61	1.08	3.49	8.17	
1630	8000	25.3	4284	302.4	0.59	0.02	3.49	8.17	
1635	9000	25.2	4268	299.4	0.56	0.02	3.49	8.17	
1635									SAMPLE
1650									Pump off

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used: peristaltic
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN (N/A)
5. Sample Rate (mL/min): 200
6. Sample Appearance:
   - Turbidity: 0.02
   - Color: colorless
   - Odor: odorless
7. Time to recharge (min): N/A
8. Sample Time: 1655
9: Parameter/Container/Pres.: **App. III and App. IV CCR Parameters**
Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES** | Sampler Name(s): JMT

MW Identification: MW-15D | Date/Time: 11/4/25

Sample Number: | PID Readings: **N/A**

Weather Conditions: cloudy

Wellhead Inspection: average

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	6.27	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	50.45	7. Water Level Measuring Equip.	geotech
3. Bottom of casing (±0.01 ft.)	52.43	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	8000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none / Color: none / Turbidity: clear		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±10%	ORP (mV) ±10	D.O. (mg/L) <0.5	Turbidity (NTU) <10	pH ±0.1	Drawdown ±0.01	Notes
1155									
1155								6.00	pump start
1200	1500	24.8	4020	-98.3	0.39	0.07	6.32	6.89	purge start
1205	3000	24.7	3764	-127.0	0.26	0.02	6.37	7.01	
1210	4000	24.6	3758	-140.4	0.21	0.02	6.35	7.09	
1215	5000	24.5	3744	-150.3	0.18	0.02	6.35	7.14	
1220	6000	24.5	3764	-153.0	0.16	0.02	6.33	7.19	
1225	7000	24.6	3768	-155.0	0.16	0.02	6.32	7.20	
1230									
1245									sample, turn pump stop

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1230
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	
Turbidity	clear		
Color	none		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s):	F Li
MW Identification:	MNW-18	Date/Time:	11/12/25
Sample Number:		PID Readings: **N/A**	
Weather Conditions:	sunny, calm, 80's		
Wellhead Inspection:	average		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	9.68	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	49.00	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	51.09	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	4	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7500	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: no odor Turbidity	clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN (N/A)
Color: colorless			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1330								10.02	START
1335	500	24.6	3618	-13.0	1.68	0.02	6.89	10.28	
1340	1000	24.2	3771	-76.5	0.52	0.02	6.91	10.46	
1345	1500	24.0	3746	-92.9	0.73	0.02	6.92	10.78	min flow on peri pump
1350	2000	24.3	3752	-98.5	0.45	0.02	6.92	10.93	
1355	2500	24.1	3722	-96.1	0.27	0.02	6.90	11.22	
1400	3000	24.1	3673	-95.4	0.34	0.02	6.90	11.47	
1405	3500	23.6	3574	-93.2	0.32	0.02	6.88	11.72	
1410	4000	24.2	3519	-88.3	0.24	0.02	6.87	11.98	
1415	4500	23.3	3384	-72.4	0.19	0.02	6.84	12.29	
1420	5000	23.8	3329	-60.9	0.19	0.02	6.84	12.57	
1425	5500	23.4	3270	-47.8	0.19	0.02	6.81	12.78	
1430	6000	23.7	3221	-37.7	0.20	0.02	6.81	13.05	
1435	6500	23.4	3193	-28.6	0.16	0.02	6.80	13.30	
1440	7000	23.5	3166	-25.6	0.20	0.02	6.81	13.49	
1445	7500	23.5	3141	-19.4	0.17	0.02	6.80	13.88	
1445									SAMPLE
1515									PUMP OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1445
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR/NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	100		
6. Sample Appearance:		9. Other Information:	
Turbidity	clear	jerk hard up/down side/side to facilitate sliding tubing down hole. Straighten tubing as well.	
Color	No color		
Odor	no odor		

Peristaltic pump at minimum pumping speed

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	F Li
MW Identification:	AP MW-1S (contingency)	Date/Time:	11/19/25
Sample Number:		PID Readings: N/A	
Weather Conditions:	overcast, calm, 80's		
Wellhead Inspection:	good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	17.58	7. Purge Rate (mL/min)	120
2. Intake Depth (±0.01 ft.)	28.21	7. Water Level Measuring Equip.	Geotech WLM
3. Bottom of casing (±0.01 ft.)	30.21	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	5400	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none	Turbidity: low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0810	—	~~22.9~~	~~7764~~	~~150.9~~	~~8.0~~	~~11.6~~	~~4.28~~	17.49	START
0815	600	22.9	7764	150.9	8.0	11.6	4.28	17.90	
0820	1200	23.0	7797	121.4	3.9	8.94	4.29	17.99	
0825	1800	23.1	7795	64.4	0.23	10.1	4.30	18.03	flow lowered ~120
0830	2400	23.1	7784	29.4	0.20	9.33	4.30	18.05	
0835	3000	23.3	7799	5.0	0.17	11.4	4.31	18.06	
0840	3600	23.3	7809	-28.4	0.16	8.91	4.32	18.07	
0845	4200	23.3	7793	-38.3	0.14	7.48	4.32	18.07	
0850	4800	23.2	7778	-44.0	0.13	7.57	4.33	18.07	
0855	5400	23.2	7761	-45.9	0.12	7.50	4.34	18.07	
0855	—								SAMPLE
0925	—								PUMP OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A	10. Decontamination Procedures:	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0855	Alconox/DI Rinse	
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.		11. Instrument type: YSI ProSeries	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)	~~App. III and App. IV CCR Parameters~~		Calibration Date:	
5. Sample Rate (mL/min)	120	~~Na, Mg, K, Fe, Al, Alkalinity~~	ASD	Calibration Time:	
6. Sample Appearance:	good				
Turbidity	low	9. Other Information:			
Color	none				
Odor	none				

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): E. Foley
MW Identification: SFL MW-2		Date/Time: 11-13-25 0945
Sample Number:		PID Readings: N/A
Weather Conditions: Hot, light breeze ~18°C		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	10.60	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	~21.78	7. Water Level Measuring Equip.	meter
3. Bottom of casing (±0.01 ft.)	23.78	8. Purge Equipment Used	peri
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	6.5	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor NA Turbidity	low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color NA			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
905	Start	PUMP	–	–	–	–	–	10.59	
907	start	purge	–	–	–	–	–	–	
0910	1.0	23.7	7870	238.9	.30	2.40	6.45	11.14	
0915	2.0	23.7	7966	220.2	.22	0.85	6.45	11.49	
0926	3.0	23.6	7978	211.8	.21	0.72	6.45	11.63	
0925	4.0	23.8	7962	202.3	.17	0.77	6.45	11.73	
0930	5.0	23.8	7984	196.7	0.14	0.02	6.44	11.77	
0935	5.5	23.8	8023	191.8	0.14	0.02	6.44	11.84	
0940	6.0	23.9	8018	188.0	.13	0.02	6.45	11.88	
0945	Sample								
1005	P3 MP	off							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0945
3. Sampling Equip. Used	peri st.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	CCR
Turbidity	low		
Color	NA		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**	Sampler Name(s):	Tyler
MW Identification: SFL MW-2D	Date/Time:	11-19-25 1255
Sample Number:	PID Readings: **N/A**	
Weather Conditions: Clouds/Sun @ 28°C		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4 Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	4.71	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	~55.0	7. Water Level Measuring Equip.	~~DO~~ Geotech meter
3. Bottom of casing (±0.01 ft.)	57.44	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2in	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7.0L	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor NA Turbidity	murky but low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color tan-clear			

Time	Volume Purged (~~L~~)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~DD~~ WL Drawdown	Notes
1207	Start Pump							4.54	
1208	Purge	Start	-	-	-	-	-	-	
1210	1.50	24.3	6038	90.9	.42	22.6	5.90	5.70	FR: 225
1215	2.25	24.0	5997	81.3	.16	24.1	5.90	7.97	FR: 200
1220	2.50	24.3	5997	78.5	.24	13.7	5.90	8.84	FR: 150
1225	3.5	24.6	5944	76.0	.41	11.9	5.90	9.69	FR: 100
1230	4.5	24.8	5981	54.5	.35	12.4	5.91	10.80	FR: 115
1235	4.75	24.6	5983	44.2	0.24	8.29	5.92	11.37	FR: 125
1240	5.25	25.2	5954	40.0	.18	7.73	5.93	11.85	FR: 100
1245	5.75	25.5	5964	37.7	.16	7.34	5.94	12.35	FR: 100
1250	6.25	25.5	5977	36.0	.18	8.35	5.94	12.80	
1255	Sample								
1330	Stop Pump								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1255
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	100		
6. Sample Appearance:			
Turbidity	low (7.34)	9. Other Information:	ASD
Color	N/A		
Odor	N/A		

★ Arrived @ 1120, took nearly an hour to set peri tubing.

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**
MW Identification: SFL MW-3
Sample Number:
Weather Conditions: Sunny, hot
Wellhead Inspection:
Sampler Name(s): E. Foley
Date/Time: 11-12-25 1520
PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	19.16	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	~26.30	7. Water Level Measuring Equip.	water level
3. Bottom of casing (±0.01 ft.)	28.36	8. Purge Equipment Used	Peri
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	30	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor NA	Turbidity low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color NA			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1436	pump on	-	-	-	-	-	-		
1440	Purge start	-	-	-	-	-	-	14.43	
1445	1.5	23.8	6007	294.7	.54	2.48	3.84	14.65	
1450	2.0	23.9	5973	305.5	0.45	3.41	3.85	14.66	
1455	3.0	23.9	5974	315.3	0.39	1.83	3.85	14.67	
1500	4.0	23.9	5997	324.3	0.24	1.17	3.85	14.68	
1505	4.0	23.8	5940	331.7	0.16	0.27	3.85	14.68	
1510	5.0	23.8	5924	335.9	0.14	0.02	3.85	14.69	
1515	6.0	23.7	5902	338.9	0.12	0.02	3.85	14.70	
1520	Sample								
1610	pump off								

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1520
3. Sampling Equip. Used	Peri	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:			
Turbidity	low	9. Other Information:	CCR
Color	Slight Yellow?		
Odor	NA		

just the 1.0L nit bottle color

10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

50
÷2
25 dup @ 1545

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	FL
MW Identification:	SFL MW-3D	Date/Time:	11/20/25
Sample Number:		PID Readings: N/A	
Weather Conditions:	overcast, calm, 80's		
Wellhead Inspection:	good		

Visual inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	20.70	7. Purge Rate (mL/min)	120
2. Intake Depth (±0.01 ft.)	59.18	7. Water Level Measuring Equip.	Geotech WLM
3. Bottom of casing (±0.01 ft.)	61.18	8. Purge Equipment Used	LF Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	18900	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity	~13	12. Drive Gas (Air/Nitrogen)	(AIR) NITROGEN / N/A
Color: none			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0725								20.42	START
0730	700	22.8	5569	-65.4	3.61	1.89	6.67	20.61	
0735	1400	22.8	5597	-64.8	3.83	14.4	6.70	20.59	
0740	2100	22.9	5807	-14.4	1.23	28.4	6.42	20.72	
0745	2700	22.7	5791	-20.5	0.69	35.5	6.42	20.71	
0750	3300	22.8	5809	-27.5	0.41	39.7	6.43	20.72	
0755	3900	22.9	5810	-30.0	0.36	36.8	6.43	20.72	
0800	4500	22.8	5809	-32.2	0.30	35.5	6.43	20.72	
0805	5100	22.8	5797	-33.4	0.28	33.5	6.43	20.73	
0810	5700	22.9	5804	-36.1	0.28	32.5	6.44	20.73	
0815	6300	22.9	5794	-35.9	0.25	32.7	6.44	20.73	
0820	6900	23.0	5800	-36.0	0.23	27.9	6.44	20.74	
0825	7500	23.1	5806	-36.7	0.24	26.6	6.45	20.76	
0830	8100	23.1	5789	-38.3	0.22	24.4	6.45	20.74	
0835	9300	23.0	5748	-45.2	0.20	21.9	6.46	20.91	flow randomly doubled
0840	9900	23.0	5733	-51.0	0.17	20.5	6.48	20.79	flow lowered
0845	10500	23.0	5747	-54.4	0.18	20.4	6.48	20.79	
0850	11100	23.1	5766	-56.4	0.22	18.5	6.48	20.78	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	(Yes) / No	8. Sample Time:	0955
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	
4. Drive Gas (Air/Nitrogen)	(AIR) NITROGEN/ N/A	~~App. III and App. IV CCR~~ Parameters	
5. Sample Rate (mL/min)	120	Na, ~~Mg, K, Fe, Al,~~ Alkalinity	ASH
6. Sample Appearance:	good		
Turbidity	~13	9. Other Information:	
Color	none	collected field filtered	
Odor	none	dissolved metals	

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES | Sampler Name(s): F L.
MW Identification: SFL MW-3D | Date/Time: 11/20/25
Sample Number: | PID Readings: N/A
Weather Conditions: overcast, calm, 80's
Wellhead Inspection: good

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0855	11700	23.2	5763	-57.6	0.19	17.7	6.48	20.77	
0900	13300	23.2	5760	-57.8	0.20	13.8	6.49	20.76	
0905	12900	23.2	5750	-60.0	0.18	15.6	6.49	20.75	
0910	13500	23.4	5755	-61.4	0.19	15.6	6.50	20.77	
0915	14100	23.4	5744	-64.5	0.19	14.5	6.50	20.77	
0920	14700	23.4	5727	-63.3	0.16	13.5	6.51	20.78	
0925	15300	23.5	5729	-63.2	0.16	13.3	6.51	20.77	
0930	15900	23.7	5748	-62.8	0.19	14.7	6.51	20.77	
0935	16500	23.6	5751	-62.9	0.16	13.6	6.51	20.77	
0940	17100	23.7	5754	-63.9	0.16	13.8	6.52	20.78	
0945	17700	23.7	5745	-65.0	0.14	13.7	6.52	20.78	
0950	18300	23.7	5741	-67.6	0.16	14.1	6.52	20.78	
0955	18900	23.5	5703	-72.0	0.14	13.2	6.53	20.78	
0955									SAMPLE
1035									PUMP OFF

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**	Sampler Name(s):	E Foley
MW Identification: SFL MW-4	Date/Time:	11-12-25 1710
Sample Number:	PID Readings: **N/A**	
Weather Conditions: dusk / dusty, not		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	16.16	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	41.00	7. Water Level Measuring Equip.	water
3. Bottom of casing (±0.01 ft.)	43.08	8. Purge Equipment Used	peri
4. Casing Diameter (inches)	1	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7.0	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: NA Turbidity: low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (~~mL~~) L	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1630	start	PUMP	—	—	—	—	—	16.74	
1632	purge	start	—	—	—	—	—	—	
1635	1.5	23.1	8119	-64.9	0.28	0.21	6.18	17.18	
1640	2.5	23.0	8095	-70.8	.22	0.02	6.19	17.43	
1645	3.5	23.1	8049	-84.2	0.16	0.87	6.19	17.40	
1650	4.5	23.1	8043	-90.4	0.14	0.10	6.19	17.40	
1655	~5.0	23.1	8019	-93.0	0.13	0.02	6.19	17.35	
1700	6.0	22.9	8000	-94.0	0.12	0.02	6.18	17.33	
1705	7.0	22.9	8035	-90.3	0.12	0.94	6.18	17.30	
1710	sample	time							
1730	pump	off							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1710
3. Sampling Equip. Used	Peri	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	CCR
Turbidity	low		
Color	clear		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: GCSES — Sampler Name(s): EFoley
MW Identification: SFL MW-45 — Date/Time: 11-14-25 0900
Sample Number: — PID Readings: N/A
Weather Conditions: Cloudy, humid 23°C
Wellhead Inspection:

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 16.59
2. Intake Depth (±0.01 ft.): ~22.0
3. Bottom of casing (±0.01 ft.): 24.25
4. Casing Diameter (inches): 2in
5. Actual Volume of Water Purged (mL): 7.0L
6. Purge Water Characteristics:
   Odor: NA — Turbidity: low
   Color: NA
7. Purge Rate (mL/min): 100
7. Water Level Measuring Equip.: geotect meter
8. Purge Equipment Used: peristaltic
9. Dedicated? (Yes/No): Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer: NA
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN / (N/A)

Time	Volume Purged (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~WL Drawdown~~	Notes
0756	pump	on	-	-	-	-	-	16.50	
0759	purge	starts	-	-	-	-	-	-	wr: 100mL/min
0805	1.5	23.4	11168	256.5	.06	0.02	4.30	16.96	
0810	2.0	23.4	11159	269.9	.08	0.02	4.28	17.18	
0815	2.75	23.6	11122	290.7	.51	0.02	4.26	17.35	
0820	3.50	23.6	11092	308.9	.41	0.02	4.27	17.50	
0825	4.0	23.6	11091	322.8	0.36	0.02	4.25	17.69	
0830	4.5	23.8	11094	330.5	0.37	0.02	4.23	17.78	
0835	5.0	23.8	11109	339.6	0.35	0.02	4.20	17.91	
0840	5.5	23.8	11141	344.5	0.31	0.02	4.21	18.04	
0845	~6.25	23.9	11165	352.8	0.29	0.02	4.19	18.13	
0850	6.50	23.9	11183	353.2	0.28	0.02	4.19	18.25	
0855	7.00	23.9	11180	354.5	0.27	0.02	4.20	18.33	
0900	Sample								
0935	pump	off						19.57	

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used: peristaltic
4. Drive Gas (Air/Nitrogen): AIR / NITROGEN / (N/A)
5. Sample Rate (mL/min): 100
6. Sample Appearance:
   Turbidity: low
   Color: NA
   Odor: NA
7. Time to recharge (min):
8. Sample Time: 0900
9. Parameter/Container/Pres.: App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information: ASD
   recalibrated turb meter twice, all was 0.02 ntu truly split a 1.0L bottle, sample collection will take longer

10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
    Calibration Date: 11/18/25
    Calibration Time: 1715

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): E. Foley
MW Identification: SFL MW-5		Date/Time: 11-12-25 1310
Sample Number:		PID Readings: **N/A**
Weather Conditions: Hot, 21°C		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet (ft.))	15.33	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	22.40	7. Water Level Measuring Equip.	Meter
3. Bottom of casing (±0.01 ft.)	24.44	8. Purge Equipment Used	Peri
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	7.0L	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor NA	Turbidity low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color NA			

Time	Volume Purged (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1222	PUMP	ON	—	—	—	—	—		
1225	Purge	start	—	—	—	—	—	15.93	
1230	1.5	24.5	10565	241.6	0.31	7.20	4.54	16.37	
1235	2.0	24.8	10546	315.6	0.24	7.17	4.51	16.48	
1240	2.75	24.7	10531	321.3	0.21	5.97	4.50	16.55	
1245	3.5	24.5	10504	325.0	.16	7.90	4.49	16.70	
1250	4.5	24.6	10472	330.8	.16	1.63	4.50	16.82	
1255	5.0	24.6	10457	335.7	.20	3.32	4.49	16.91	
1300	6.0	24.7	10436	339.7	.25	0.65	4.48	16.95	
1305	6.5	24.6	10415	340.4	.27		4.48	17.02	
1310	SAMPLE								
1330	PUMP	OFF							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1310
3. Sampling Equip. Used	Peri	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200		
6. Sample Appearance:		9. Other Information:	CCR
Turbidity	low		
Color	clear		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	F Li
MW Identification:		Date/Time:	11/20/25
Sample Number:	SFL MW-5D	PID Readings: N/A	
Weather Conditions:	overcast, calm, 80's		
Wellhead Inspection:	good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	24.8	7. Purge Rate (mL/min)	~75
2. Intake Depth (±0.01 ft.)	64.8	7. Water Level Measuring Equip.	Geotech WLM
3. Bottom of casing (±0.01 ft.)	66.8	8. Purge Equipment Used	LF Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	4800	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: high		12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: slightly yellow			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1115								22.75	START
1120	400	27.2	4669	6.2	2.94	6.70	7.39	23.75	
1125	800	26.3	4577	-66.4	1.12	3.60	7.37	23.92	
1130	1200	27.1	4644	-92.3	0.66	28.3	7.36	24.33	
1135	1600	26.8	4634	-98.4	0.48	57.4	7.35	24.89	
1140	2000	26.8	4621	-101.1	0.44	63.3	7.35	25.20	
1145	2400	26.4	4566	-107.3	0.40	55.3	7.35	25.66	
1150	2800	25.6	4474	-108.4	0.36	52.8	7.36	26.17	
1155	3200	25.9	4523	-110.2	0.33	53.1	7.36	26.60	
1200	3600	26.0	4525	-109.0	0.32	49.6	7.36	26.82	
1205	4000	26.6	4557	-106.8	0.34	59.6	7.36	27.16	
1210	4400	27.2	4614	-109.3	0.34	55.6	7.35	27.49	
1215	4800	27.2	4628	-109.8	0.30	51.8	7.35	27.92	
1215									~~SAMPLE~~ Turb not within parameters. Return to sampling
1225		27.3	4703	-110.8	0.36	46.1	7.37	28.65	
1230		27.0	4688	-107.9	0.38	47.7	7.35	29.03	
1235		26.9	4652	-108.5	0.35	46.7	7.35	29.87	
1235									SAMPLE
1345									PUMP OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1215
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	
4. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN/ N/A	~~App. III and App. IV CCR Parameters~~	
5. Sample Rate (mL/min)	~75	~~Na, Mg, K, Fe, Al, Alkalinity~~ ASD	
6. Sample Appearance:	okay		
Turbidity	high	9. Other Information:	Dissolved field filtered metals container collected EB1 collected
Color	slightly yellow		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES** | Sampler Name(s):

MW Identification: SFL MW-5D | Date/Time: 11/20/2025

Sample Number: | PID Readings: **N/A**

Weather Conditions:

Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1200									EB
1410									PUMP OFF

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**
MW Identification: SFL MW-6
Sample Number:
Weather Conditions: sunny, partly cloudy
Wellhead Inspection: average

Sampler Name(s): IMT
Date/Time: 11/13/25
PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 18.61
2. Intake Depth (±0.01 ft.) 23.10
3. Bottom of casing (±0.01 ft.) 23.26
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 9000
6. Purge Water Characteristics:
   Odor none
   Color none
   Turbidity clear/low
7. Purge Rate (mL/min) 100
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used Peristaltic Pump
9. Dedicated? (Yes/No) Yes / No
10. Immiscibility layer? Yes / No
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

	±3%	±3%	±10	±10%	<10	±0.1		
Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	wl Drawdown	Notes
0925								18.61	
0930									pump start
0935	1000	23.7	23455	291.5	[illegible]	0.02	3.45	19.12	purge start
0940	2000	23.9	23328	232.6	6.61	0.02	3.52	19.43	
0945	2500	24.2	22934	104.1	6.61	6.02	3.66	19.68	
0950	3000	24.3	22207	40.6	6.32	0.02	3.77	19.78	
0955	3506	24.5	22208	51.6	6.48	0.02	3.67	20.03	
1000	4000	24.4	22461	69.1	0.46	0.02	3.58	20.22	
1005	4500	24.5	22704	92.0	6.43	0.02	3.52	20.43	
1010	5000	24.5	22911	104.1	6.41	0.99	3.49	20.74	
1015	6000	24.5	23077	130.8	6.43	0.02	3.45	20.97	
1020	6506	24.6	23357	155.3	0.42	0.24	3.43	21.27	6.3
1025	7000	25.0	23429	175.7	6.42	25.9	3.41	21.59	0.32
1030	7500	25.3	23431	194.2	6.66	42.6	3.41	22.09	0.7
1035	8000	25.4	23334	200.4	0.76	43.7	3.43	22.58	0.59
1040	8000	[illegible] dry							
1415	[illegible]								well dry
									sample time
1430									stop, Dry

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used Peristaltic
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A
5. Sample Rate (mL/min) 100
6. Sample Appearance:
   Turbidity clear/low
   Color none
   Odor none
7. Time to recharge (min): overnight (~8hr)
8. Sample Time: 1415
9. Parameter/Container/Pres.
   App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures:
    Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES**

MW Identification: SFL MW-6

Sample Number:

Weather Conditions:

Wellhead Inspection:

Sampler Name(s):

Date/Time: 11/13/2025

PID Readings: **N/A**

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1625									pump on
1645									pump off, dry
11/14/25 0850									pump on
0855									sample start
0900									pump off

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): E. Foley
MW Identification: SFL MW-6D		Date/Time: 11-19-25 1020
Sample Number:		PID Readings: N/A
Weather Conditions: Hot/Sunny 26°C		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	65.79	7. Purge Rate (mL/min)	NA
2. Intake Depth (±0.01 ft.)	76.72 (bailer)	7. Water Level Measuring Equip.	Geotech WL
3. Bottom of casing (±0.01 ft.)	76.72	8. Purge Equipment Used	Bailer
4. Casing Diameter (inches)	2in	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)		10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor: NA Turbidity	high	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: brown/tan			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1015	.25	23.60	4647	220.2	1.30	17.8	7.06		
1055	Stop bailing.								
1020	sample								

1. Well evacuated to dryness? (Yes) / No but close
2. Sample Filtered? (Yes) / No
3. Sampling Equip. Used: bailer / pari
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN/ (N/A)
5. Sample Rate (mL/min): NA
6. Sample Appearance:
   - Turbidity: High!
   - Color: brown
   - Odor: NA

Time to recharge (min): NA
8. Sample Time: 1020
9: Parameter/Container/Pres.: App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity

9. Other Information: ASD + field filtered dis. metals

10. Decontamination Procedures: Alconox/DI Rinse
11. Instrument type: YSI ProSeries
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**
MW Identification: SEL MW-7
Sample Number:
Weather Conditions: Partly cloudy
Wellhead Inspection: good

Sampler Name(s): JMT
Date/Time: 11/12/25 1500
PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present: Yes / (No)
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 16.49
2. Intake Depth (±0.01 ft.) 56.00
3. Bottom of casing (±0.01 ft.) 58.32 ? → from May
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 18000
6. Purge Water Characteristics:
   Odor none
   Color clear
   Turbidity clear/low
7. Purge Rate (mL/min) 300
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used peristaltic pump
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
		±3%	±3%	±10mV	±10% or 0.5	<10 or ±0.1			
1355									
1400									pump start
1405	2000	24.1	6737	-131.5	0.32	0.02	6.38	17.09	purge start
1410	3500	23.8	6743	-138.8	0.24	0.02	6.38	17.26	
1415	5000	23.9	6759	-140.6	0.19	1.88	6.38	17.42	
1420	6500	23.4	7990	-140.4	0.18	0.92	6.29	17.50	
1425	8000	23.7	8432	-145.1	0.16	0.02	6.28	17.55	
1430	9500	23.8	8540	-150.8	0.15	0.02	6.27	17.59	
1435	11000	23.8	8681	-169.3	0.13	0.16	6.27	17.62	
1440	12500	23.7	8751	-176.8	0.13	0.02	6.27	17.65	
1445	14000	23.4	8802	-143.0	0.11	0.02	6.28	17.69	
1450	15500	23.6	8823	-195.5	0.11	0.02	6.28	17.74	
1455	17000	23.8	8840	-200.7	0.11	0.02	6.28	17.72	
1500								17.65	
1510									sample start
									pump stop

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used peristaltic pump
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)
5. Sample Rate (mL/min) 300
6. Sample Appearance:
   Turbidity clear
   Color clear
   Odor none
7. Time to recharge (min): N/A
8. Sample Time: 1500
9: Parameter/Container/Pres.
App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures:
Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): F Li
MW Identification:	SFL MW-75	Date/Time: 11/19/25
Sample Number:		PID Readings: N/A
Weather Conditions:	overcast, calm, 80's	
Wellhead Inspection:	good	

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	16.09	7. Purge Rate (mL/min)	160
2. Intake Depth (±0.01 ft.)	27.15	7. Water Level Measuring Equip.	Geotech WLM
3. Bottom of casing (±0.01 ft.)	27.15	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	4700	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none	Turbidity: low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0955								16.00	START
1000	750	23.8	14704	69.3	0.56	2.74	5.62	16.08	
1005	1500	24.1	14292	-0.2	0.26	2.12	5.62	16.10	
1010	2300	24.1	14277	7.4	0.17	0.96	5.61	16.10	
1015	3100	24.4	14337	9.6	0.15	~~1.0~~ 1.10	5.62	16.11	
1020	3900	25.0	14080	11.2	0.13	0.34	5.64	16.11	
1025	4700	24.6	13578	9.7	0.15	0.51	5.68	16.11	
1025									SAMPLE
1055 ~~1005~~									DUP
1115									PUMP OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1025
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)	~~App. III and App. IV CCR~~ Parameters	
5. Sample Rate (mL/min)	160	~~Na, Mg, K, Fe, Al, Alkalinity~~ ASIS	
6. Sample Appearance:	good		
Turbidity	low	9. Other Information:	
Color	clear	FD2 taken at 1055	
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES
MW Identification: SFL MW-85
Sample Number:
Weather Conditions: cloudy
Wellhead Inspection: average

Sampler Name(s): EMT
Date/Time: 11/19/25
PID Readings: N/A

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 12.00
2. Intake Depth (±0.01 ft.) 21.01
3. Bottom of casing (±0.01 ft.) 23.01
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 6560
6. Purge Water Characteristics:
   Odor none
   Color none
   Turbidity clear
7. Purge Rate (mL/min) 100
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used peristaltic
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10	D.O. (mg/L) ±10% <0.5	Turbidity (NTU) ±10% <10	pH ±0.1	Drawdown	Notes
0800									
0805									
0810									pump start
0815	1000	23.6	5033	78.0				12.19	purge start
0820	2000	23.7	5044	109.2	0.64	23.8	3.80	12.35	
0825	2500	23.8	5042	108.7	0.35	10.8	3.73	12.44	
0830	3000	23.9	5036	95.7	0.31	8.5	3.73	12.35	
0835	3560	23.9	5033	106.7	0.31	6.02	3.75	12.31	
0840	4000	23.9	5024	117.4	0.25	3.30	3.75	12.31	
0845	4500	24.0	5028	126.7	0.28	1.00	3.73	12.32	
0850	5000	24.0	5025	136.8	0.24	0.02	3.73	12.32	
0855	5500	24.0	5023	143.6	0.21	0.02	3.72	12.31	
0900	6000	24.0	5021	145.3	0.21	0.02	3.72	12.31	
0930									sample start
1205									pump time
									pump stop

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used peristaltic
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ (N/A)
5. Sample Rate (mL/min) 100
6. Sample Appearance:
   Turbidity clear
   Color none
   Odor none
7. Time to recharge (min): N/A
8. Sample Time: 0900
9: Parameter/Container/Pres.
App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity
9. Other Information: FD-1
10. Decontamination Procedures:
Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**
MW Identification: SFL MW-8D
Sample Number:
Weather Conditions: partly cloudy
Wellhead Inspection:
Sampler Name(s): EMT
Date/Time: 11/19/25
PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 10.33
2. Intake Depth (±0.01 ft.) 44.66
3. Bottom of casing (±0.01 ft.) 46.66
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 5000
6. Purge Water Characteristics:
   Odor none
   Color none
   Turbidity clear
7. Purge Rate (mL/min) 100
7. Water Level Measuring Equip. geotech
8. Purge Equipment Used peristaltic
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer N/A
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1020									
1025									
1030								10.32	pump start
1035	1000	23.9	2300	-128.3	0.57	17.5	6.56	[illegible]	purge start
1040	2500	23.7	2197	-152.2	0.40	4.86	6.51	11.98	
1045	3000	24.3	2153	-153.1	0.32	0.82	6.52	12.48	
1050	3500	24.6	2115	-153.4	0.29	0.02	6.53	12.33	
1055	4000	23.9	2139	-161.9	0.25	0.02	6.53	12.23	
1100	4500	23.9	2140	-162.6	0.20	0.02	6.53	12.42	
1120								12.70	
									sample time
									pump stop

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used peristaltic
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ (N/A)
5. Sample Rate (mL/min) 100
6. Sample Appearance:
   Turbidity clear
   Color none
   Odor none
7. Time to recharge (min): N/A
8. Sample Time: 1100
9: Parameter/Container/Pres.
App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures:
Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**

MW Identification: SSP MW-2 — Sampler Name(s): JMT

Sample Number: — Date/Time: 11/12/25 1105

Weather Conditions: Sunny — PID Readings: **N/A**

Wellhead Inspection: average

Visual Inspection:

1. Survey Mark Present: — (Yes) / No
2. Collision/Vandalism Damage: — Yes / (No)
3. Casing Degradation: — Yes / (No)
4. Well Subsidence: — Yes / (No)
5. Standing/Ponded Water: — Yes / (No)
6. Frost Heaving: — Yes / (No)
7. Lock in Place: — (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]): 25.46
2. Intake Depth (±0.01 ft.): 45.07
3. Bottom of casing (±0.01 ft.): 47.07
4. Casing Diameter (inches): 2
5. Actual Volume of Water Purged (mL): 8000
6. Purge Water Characteristics:
   - Odor: none
   - Color: clear
   - Turbidity: low/clear ✓
7. Purge Rate (mL/min): 100
7. Water Level Measuring Equip.: Geotech
8. Purge Equipment Used: Peristaltic PUMP
9. Dedicated? (Yes/No): Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer: N/A
12. Drive Gas (Air/Nitrogen): AIR / NITROGEN (N/A)

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±10	ORP (mV) ±10	D.O. (mg/L) ±10% <10 <0.5	Turbidity (NTU)	pH	Water Level ~~Drawdown~~	Notes
1005									
1010								25.24	PUMP start
1015	2000	22.2	9291	37.7	1.23	10.3	4.96	27.77	Purge start
1020	3000	22.3	8635	107.4	1.71	3.93	4.70	28.68	
1025	3500	22.4	8601	131.7	1.63	17.7	4.68	28.14	
1030	4000	22.5	8725	127.4	1.50	1.73	4.71	29.40	
1035	5000	22.8	8841	107.9	1.37	0.22	4.75	29.52	
1040	5500	229	8922	88.3	1.22	0.76	4.75	29.59	
1045	6000	23.0	8993	67.6	1.15	0.03	4.77	29.69	
1050	6500	23.9	8989	65.6	1.17	0.02	4.78	29.73	
1055	7000	23.1	8974	57.6	1.17	0.02	4.78	29.79	
1100	7500	23.1	8952	58.1	1.15	0.07	4.78	29.81	
1105									Sample start
1145									pump off

1. Well evacuated to dryness? — Yes / (No)
2. Sample Filtered? — Yes / (No)
3. Sampling Equip. Used — Peristaltic
4. Drive Gas (Air/Nitrogen) — AIR /NITROGEN/ (N/A)
5. Sample Rate (mL/min) — 100
6. Sample Appearance:
   - Turbidity — clear/low
   - Color — none
   - Odor — none
7. Time to recharge (min): N/A
8. Sample Time: 1105
9: Parameter/Container/Pres.
   App. III and App. IV CCR Parameters
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures:
    Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): C. Foley
MW Identification: SSP MW-2D		Date/Time: 11-17-25 1425
Sample Number:		PID Readings: N/A
Weather Conditions: Sample @ dusk / no light		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	24.13	7. Purge Rate (mL/min)	100, 150
2. Intake Depth (±0.01 ft.)	~61.00	7. Water Level Measuring Equip.	geotech meter
3. Bottom of casing (±0.01 ft.)	63.25	8. Purge Equipment Used	low flow bladder
4. Casing Diameter (inches)	2 in	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	23.5	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:	highest:	11. Thickness of immiscible layer	NA
Odor NA Turbidity	85.8	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color cloudy, grey			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~DTW~~ Drawdown	Notes
1105	start	PUMP	-	-	-	-	-	22.0	
* 1120	start	purge	-	-	-	-	-	23.21	
1125	~1.0	23.7	8924	-155.0	0.62	0.33	5.82	23.85	100 F.r.
1130	1.0	23.7	8521	-149.6	1.75	61.5	5.83	24.77	
1135	1.5	24.0	9066	-161.2	.56	85.8	5.80	25.31	
1140	2.0	24.3	9087	-165.7	.36	62.7	5.81	25.61	
1145	2.5	24.3	9067	-170.0	.29	40.3	5.81	25.89	
1150	3.5	23.7	9075	-173.3	.27	42.2	5.81	26.28	
1155	3.75	24.3	8985	-177.9	.25	27.3	5.81	26.40	
1200	4.0	23.9	9069	-184.9	.25	24.7	5.81	26.55	
1205	4.5	24.1	9029	-186.2	.23	28.1	5.81	26.75	
1210	~4.75	24.3	9057	-190.7	.22	32.8	5.80	26.81	
1215	5.25	24.3	9051	-194.7	.21	31.3	5.80	2691	
1220	5.5	24.4	9053	-198.8	.21	33.1	5.80	26.95	
1225	6.0	24.4	9001	-202.1	.20	33.9	5.80	26.97	
1230	6.5	24.4	9004	-206.5	.20	36.0	5.80	27.04	
1235	7.0	24.5	9050	-210.2	.21	35.2	5.80	27.10	
1240	7.25	24.6	9027	-212.7	.20	35.1	5.80	27.16	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1425
3. Sampling Equip. Used	low flow bladder	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:			
Turbidity	low	9. Other Information:	ASD, 3hrs to stable below 10NTU
Color	NA, clear		
Odor	NA		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES | Sampler Name(s): C. Foley
MW Identification: | Date/Time: 11-17-25 1425
Sample Number: SSP MW-2D | PID Readings: N/A
Weather Conditions:
Wellhead Inspection:

Time	Volume Purged (L)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~WL~~ Drawdown	Notes
1245	7.5	24.7	9062	-215.8	0.20	37.5	5.80	27.16	
1250	~8.25	23.2	9011	-218.0	.19	38.8	5.80	27.54	150 F.T.
1255	9.0	23.2	9018	-178.9	1.21	42.7	5.82	28.18	
1300	9.75	23.7	9017	-211.4	.51	38.6	5.80	28.62	
1305	10.50	23.1	8917	-221.6	.40	42.5	5.80	28.97	
1310	11.25	23.0	8856	-222.4	.36	31.9	5.81	29.22	
1315	12.00	23.1	8864	-225.6	.31	27.7	5.81	29.36	
1320	12.25	23.1	8880	-227.1	.28	28.2	5.81	29.54	
1325	13.50	23.1	8788	-228.3	.19	18.2	5.80	29.82	
1330	14.50	23.1	8737	-225.6	.24	17.6	5.80	29.81	
1335	15.00	23.1	8999	-228.8	.22	12.8	5.80	30.05	
1340	16.00	23.1	9016	-231.1	.19	14.4	5.80	30.08	
1345	17.00	23.1	9011	-231.8	.16	12.4	5.80	30.26	
1350	17.50	23.1	8996	-233.0	.14	11.4	5.80	30.39	
1355	18.25	23.0	9010	-233.3	.13	11.0	5.80	30.50	
1400	19.50	23.2	8983	-235.1	.12	10.9	5.80	30.52	
1405	20.00	23.0	8990	-234.5	.13	10.4	5.80	30.59	
1410	20.75	23.2	9008	-236.0	.12	9.80	5.80	30.65	
1415	21.5	23.0	8994	-236.7	.12	9.44	5.80	30.81	
1420	23.0	23.0	9023	-237.3	0.12	6.25	5.80	30.75	
1425	Sample								
1450	pump	off							

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**
MW Identification: SSP MW-3
Sample Number:
Weather Conditions: hot, clear calm 80's
Wellhead Inspection: average

Sampler Name(s): F Li
Date/Time: 11/13/25
PID Readings: **N/A**

Visual Inspection:

1. Survey Mark Present: (Yes) / No
2. Collision/Vandalism Damage: Yes / (No)
3. Casing Degradation: Yes / (No)
4. Well Subsidence: Yes / (No)
5. Standing/Ponded Water: Yes / (No)
6. Frost Heaving: Yes / (No)
7. Lock in Place: (Yes) / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) 29.39
2. Intake Depth (±0.01 ft.) 46.00
3. Bottom of casing (±0.01 ft.) 48.36
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL) 15500
6. Purge Water Characteristics:
   Odor: none Turbidity: low
   Color: clear
7. Purge Rate (mL/min) 100
7. Water Level Measuring Equip. Geotech
8. Purge Equipment Used LF Bladder
9. Dedicated? (Yes/No) Yes / (No)
10. Immiscibility layer? Yes / (No)
11. Thickness of immiscible layer —
12. Drive Gas (Air/Nitrogen) (AIR) / NITROGEN / (N/A)

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0935								29.02	START
0940	1000	24.2	5744	147.9	0.87	25.2	5.12	29.50	
0945	1500	24.5	6626	178.8	0.59	24.1	4.45	29.60	
0950	2000	23.8	6721	174.9	0.36	28.0	4.40	29.80	
0955	2500	24.1	6697	178.3	0.27	28.8	4.43	29.82	
1000	3000	24.2	6685	182.1	0.25	25.6	4.41	29.82	
1005	3500	24.2	6680	192.2	0.24	26.7	4.37	29.85	
1010	4000	25.1	6742	210.7	0.23	23.1	4.36	29.85	lowered flow slig
1015	4500	25.8	6833	219.8	0.26	26.1	4.35	29.72	
1020	5000	25.9	6824	228.4	0.35	27.2	4.34	29.75	
1025	5500	25.4	6757	228.9	0.29	23.5	4.33	29.76	
1030	8000	25.5	6709	230.8	0.26	23.1	4.32	29.76	
1035	6500	25.9	6723	228.4	0.25	18.8	4.33	29.77	
1040	7000	25.6	6786	225.5	0.25	14.2	4.32	29.78	
1045	7500	24.6	6587	210.5	0.28	17.1	4.32	29.80	
1050	8000	25.0	6613	208.0	0.37	16.3	4.33	29.80	
1050	8500	25.5	6724	229.8	0.49	41.8	4.33	29.80	
1100	9000	25.7	6964	246.8	0.18	26.6	4.27	29.80	

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used LF Bladder
4. Drive Gas (Air/Nitrogen) (AIR)/NITROGEN/ N/A
5. Sample Rate (mL/min) ~100
6. Sample Appearance:
   Turbidity: low
   Color: none
   Odor: none
7. Time to recharge (min): N/A
8. Sample Time: 1205
9: Parameter/Container/Pres.
App. III and App. IV CCR Parameters
Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
25F/6D
5B1 collected
10. Decontamination Procedures:
Alconox/DI Rinse
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

HDR

Facility Name: GCSES
MW Identification: SSP MW-3
Sample Number:
Weather Conditions: hot clear 80's
Wellhead Inspection: average

Sampler Name(s): F LI
Date/Time: 11/13/25
PID Readings: N/A

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1105	9500	24.8	6774	235.1	0.16	15.3	4.26	29.80	
1110	10000	25.0	6781	244.8	0.15	14.6	4.26	29.80	
1115	10500	25.7	6819	257.7	0.15	12.3	4.27	29.80	
1120	11000	24.8	6767	257.3	0.18	19.4	4.26	29.81	
1125	11500	25.3	6770	263.0	0.17	11.6	4.26	29.81	
1130	12000	25.2	6710	260.5	0.16	11.4	4.26	29.81	
1135	12500	25.4	6849	266.6	0.18	11.0	4.26	29.81	
1140	13000	25.6	6859	273.6	0.25	10.6	4.26	29.81	
1145	13500	26.8	7091	292.0	0.13	10.3	4.25	29.81	
1150	14000	27.0	7160	295.0	0.21	10.3	4.24	29.81	
1155	14500	27.0	~~7161~~ 7136	295.5	0.30	9.95	4.24	29.81	
1200	15000	27.2	7095	296.8	0.19	9.78	4.24	29.81	
1205	15500	27.2	7037	297.1	0.39	9.49	4.24	29.81	
1205									SAMPLE
1300									PUMP OFF
1325									SAMPLE EB1
1332									PUMP OFF

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES
MW Identification: SSP MW-30
Sample Number:
Weather Conditions: Hot, 23°C
Wellhead Inspection:

Sampler Name(s):
Date/Time: 11-17-25 0945
PID Readings: N/A

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	29.66	7. Purge Rate (mL/min)	125
2. Intake Depth (±0.01 ft.)	~~58.00~~	7. Water Level Measuring Equip.	Geotech Meter
3. Bottom of casing (±0.01 ft.)	60.15	8. Purge Equipment Used	low flow bladd.
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	4.5	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	NA
Odor NA Turbidity	low, above 10	12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color NA			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
905	Pump On							28.07	
0907	Purge	Start							
0910	-	23.5	6780	196.5	4.66	5.57	4.84	29.71	
0915	1.0	23.2	6766	189.7	3.07	10.6	4.78	30.30	150 Flow rate
0920	2.0	23.3	6723	181.2	3.38	10.3	4.78	30.50	
0925	2.5	23.4	6705	181.1	3.22	11.3	4.78	30.63	125 Flow rate
0930	3.0	23.7	6666	182.6	2.97	7.87	4.77	30.51	
0935	3.5	24.0	6633	187.1	2.90	7.98	4.76	30.47	
0940	4.0	24.0	6612	189.4	2.79	9.16	4.76	30.41	
0945	Sample								
1015	Stop	Pump							

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0945
3. Sampling Equip. Used	low Flow bladd.	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	125		
6. Sample Appearance:		9. Other Information:	Sampled for ASD, no diss. met. collected
Turbidity	low		
Color	NA		
Odor	NA		

EB2: 1030

10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
Calibration Date:
Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

HDR

Facility Name: **GCSES** — Sampler Name(s): F Li

MW Identification: SSP MW-4 — Date/Time: 11/13/25

Sample Number: — PID Readings: **N/A**

Weather Conditions: hot partly cloudy light breeze 80's

Wellhead Inspection: good

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	25.55	7. Purge Rate (mL/min)	50
2. Intake Depth (±0.01 ft.)	49.50	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	51.58	8. Purge Equipment Used	~~Peristaltic~~ LF Bladder
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	2900	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none — Turbidity	low	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1410								24.06	START
1415		8							NO WATER
1420	—	31.2	5100	156.7	5.68		6.73	24.74	
1425	200	31.8	5337	101.1	5.02	9.05	6.49	24.82	
1430	400	30.6	5499	89.0	7.22	12.0	6.27	25.30	
1435	650	27.8	5386	73.7	1.50	17.2	6.04	25.71	50mL/min
1440	900	27.9	5409	62.7	1.99	15.2	6.05	26.03	
1445	1150	28.3	5421	54.4	2.23	13.5	6.05	26.40	
1450	1400	28.1	5377	46.1	1.69	11.7	6.06	26.69	
1455	1650	28.2	5388	40.3	1.69	10.5	6.06	26.99	
1500	1900	28.4	5390	34.0	0.60	14.2	6.05	27.12	
1505	2150	28.4	5480	30.3	0.83	10.5	6.06	27.37	
1510	2400	27.8	5407	25.4	0.85	7.76	6.06	27.53	
1515	2650	27.5	5376	24.2	0.86	6.71	6.08	27.81	
1520	2900	27.9	5435	18.1	0.91	8.07	6.08	28.03	
1520									SAMPLE
1710									PUMP OFF

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / No	8. Sample Time:	1520
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN/ N/A		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	50		
6. Sample Appearance:	good		
Turbidity	low	9. Other Information:	
Color	clear		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): FL
MW Identification: SSP MW-45		Date/Time: 11/17/25
Sample Number:		PID Readings: **N/A**
Weather Conditions: overcast, 80's, calm		
Wellhead Inspection: good		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	26.42	7. Purge Rate (mL/min)	
2. Intake Depth (±0.01 ft.)	35.00	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	37.08	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	5500	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0855								26.52	START
0900	750	23.6	4906	248.2	0.57	4.24	3.62	26.78	
0905	1500	23.5	4903	252.8	0.29	4.54	3.62	26.82	
0910	2000	23.5	4904	258.8	0.20	1.73	3.62	26.83	Flow lowered ~100
0915	2500	23.8	4911	265.9	0.27	2.11	3.62	26.83	
0920	3000	23.9	4917	269.6	0.19	1.73	3.62	26.83	
0925	3500	23.9	4925	275.3	0.18	3.25	3.62	26.82	
0930	4000	24.0	4924	288.8	0.18	3.61	3.61	26.83	
0935	4500	24.1	4944	305.6	0.18	1.51	3.60	26.83	
0940	5000	24.2	4944	307.9	0.18	3.00	3.60	26.83	
0945	5500	24.1	4946	309.5	0.17	3.07	3.60	26.83	
0945									SAMPLE
1015									DUPLICATE
1040									PUMP OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A	10. Decontamination Procedures:	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	0945	**Alconox/DI Rinse**	
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.		11. Instrument type: **YSI ProSeries**	
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A	~~App. III and App. IV CCR Parameters~~		Calibration Date:	
5. Sample Rate (mL/min)	100	~~Na, Mg, K, Fe, Al, Alkalinity~~ ASD		Calibration Time:	
6. Sample Appearance:	good	Background Sampling			
Turbidity	low	9. Other Information:			
Color	clear	FD3 taken			
Odor	none				

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s):	E L
MW Identification:	SSP MW-55	Date/Time:	11/17
Sample Number:		PID Readings: **N/A**	
Weather Conditions:	Mostly Cloudy, calm, 80's		
Wellhead Inspection:	good		

Visual inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	20.95	7. Purge Rate (mL/min)	120
2. Intake Depth (±0.01 ft.)	41.15	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	43.19	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	12000	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity: low		12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1130								20.54	
1135	750	25.0	7817	3.8	0.91	470	6.01	20.83	
1140	1500	25.0	7740	-5.9	0.72	873	5.99	20.85	
1145	2250	24.7	7566	-8.7	0.64	420	5.92	20.89	
1150	3000	24.3	7166	7.4	0.63	443	5.74	20.96	
1155	3600	24.8	6925	30.3	0.63	66.3	557	20.97	flow reduced ~ 125mL/min
1200	4200	24.8	6672	62.1	0.64	32.9	5.36	20.98	
1205	4800	24.7	6541	90.6	0.62	19.8	5.24	21.02	
1210	5400	24.6	6444	103.8	0.60	16.5	5.18	21.05	
1215	6000	24.5	6373	110.7	057	11.6	5.16	21.07	lowered flow little ~ 12
1220	6600	25.1	6380	112.1	0.53	20.1	5.17	21.07	
1225	7200	24.9	6452	110.2	0.51	46.0	5.16	21.07	
1230	7800	25.0	6436	111.8	0.30	10.1	5.15	21.08	
1235	8400	24.9	6393	112.6	0.28	9.69	5.15	21.08	
1240	9000	25.1	6410	114.5	0.27	12.0	5.15	21.08	
1245	9600	25.1	6391	115.2	0.27	4.17	5.14	21.08	
1250	10200	25.0	6373	114.6	0.28	10.4	5.14	21.09	
1255	10800	24.9	6359	116.9	0.27	8.34	5.14	21.09	

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1305
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	~~App. III and App. IV CCR Parameters~~
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ (N/A)		~~Na, Mg, K, Fe, Al, Alkalinity~~ ASD
5. Sample Rate (mL/min)	120		
6. Sample Appearance:	good		
Turbidity	low	9. Other Information:	
Color	none		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: **GCSES**		Sampler Name(s):	F L
MW Identification:	SSP MW-55	Date/Time:	11/17/25
Sample Number:		PID Readings: **N/A**	
Weather Conditions:	Mostly cloudy, hot, calm 80's		
Wellhead Inspection:	good		

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1300	11400	25.2	6360	117.1	0.28	8.16	5.14	21.09	
1305	12000	25.3	6486	118.4	0.21	4.40	5.13	21.09	
1305									SAMPLE
1335									PUMP OFF

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): E Foley
MW Identification: SSP MW-5D		Date/Time: 11-17-25/ 1710
Sample Number:		PID Readings: N/A
Weather Conditions: DUSR @ sample, 20		
Wellhead Inspection:		

Visual Inspection:

1. Survey Mark Present:	(Yes) / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / (No)	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	24.01	7. Purge Rate (mL/min)	150
2. Intake Depth (±0.01 ft.)	~61.0	7. Water Level Measuring Equip.	Geotech meter
3. Bottom of casing (±0.01 ft.)	63.20	8. Purge Equipment Used	I.F. Bladder
4. Casing Diameter (inches)	2.0	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	15.850	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of Immiscible layer	NA
Odor NA Turbidity	low, above 10	12. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN / N/A
Color NA			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	WL ~~Drawdown~~	Notes
1520	Start pump	-	-	-	-	-	-	23.47	
1523	Start purge	-	-	-	-	-	-	-	
1525	-	23.5	4293	-152.1	2.51	14.0	7.01	24.22	150 FR
1530	1.25	24.1	4413	-178.3	.45	16.3	6.81	24.50	
1535	2.0	24.1	4413	-182.6	.62	15.8	6.81	24.69	
1540	2.5	23.8	4406	-184.3	.56	18.5	6.82	24.83	
1545	3.25	23.7	4396	-189.1	.49	17.4	6.82	24.89	
1550	4.00	23.7	4385	-200.8	.47	15.2	6.83	25.00	
1555	4.75	23.8	4376	-210.7	.48	15.3	6.84	25.15	
1600	5.850	23.7	4369	-218.1	.48	14.0	6.85	25.26	
1605	6.0	23.9	4372	-222.6	.47	13.5	6.85	25.32	
1610	6.75	23.8	4371	-226.4	.47	13.5	6.85	25.41	
1615	7.50	23.7	4377	-229.2	.48	12.4	6.85	25.42	
1620	~8.0	23.6	4387	-231.6	.48	13.5	6.86	25.53	
1625	8.5	23.5	4387	-233.9	.47	14.6	6.85	25.55	
1630	9.5	23.6	4390	-235.5	.46	15.7	6.86	25.65	
1635	10.5	23.5	4386	-236.8	.46	16.7	6.86	25.65	
1640	11.0	23.3	4389	-237.7	.44	14.4	6.86	25.70	

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	NA
2. Sample Filtered?	(Yes) / No	8. Sample Time:	1710
3. Sampling Equip. Used	LF Bladder	9: Parameter/Container/Pres.	App. III and App. IV CCR Parameters
4. Drive Gas (Air/Nitrogen)	(AIR)/NITROGEN/ N/A		Na, Mg, K, Fe, Al, Alkalinity
5. Sample Rate (mL/min)	150		
6. Sample Appearance:			
Turbidity	10 <20 ~~above 10~~ <20	9. Other Information:	ASD + FF diss. metals
Color	Clear		
Odor	N/A		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet (Extension Page)

HDR

Facility Name: GCSES
Sampler Name(s): E. Foley
MW Identification: SSP MW-5D
Date/Time: 11-17-25 1710
Sample Number:
PID Readings: N/A
Weather Conditions:
Wellhead Inspection:

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
1645	11.5	23.3	4391	-238.9	.43	17.7	6.86	25.77	
1650	12.5	23.3	4380	-238.8	.42	17.7	6.86	25.86	
1655	13.0	23.3	4398	-238.3	.43	17.9	6.86	25.87	
~~1700~~	13.75	23.1	4394	-239.3	.42	17.1	6.86	25.90	
1705	14.5	23.2	4394	-240.3	.44	17.2	6.86	26.00	
1710	Sample								
1740	pump	~~off~~							

0810 onsite
1810 off site

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**

MW Identification: SSP MW-65 | Sampler Name(s): TMT

Sample Number: | Date/Time: 11/17/25

Weather Conditions: partly cloudy | PID Readings: **N/A**

Wellhead Inspection: average

Visual Inspection:

1. Survey Mark Present: Yes / No
2. Collision/Vandalism Damage: Yes / No
3. Casing Degradation: Yes / No
4. Well Subsidence: Yes / No
5. Standing/Ponded Water: Yes / No
6. Frost Heaving: Yes / No
7. Lock in Place: Yes / No

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.]) ~~8.59~~
2. Intake Depth (±0.01 ft.) ~~32.84~~
3. Bottom of casing (±0.01 ft.) ~~34.84~~
4. Casing Diameter (inches) 2
5. Actual Volume of Water Purged (mL) 15000
6. Purge Water Characteristics:
   - Odor: none
   - Color: yellowish
   - Turbidity: ~~High~~ low
7. Purge Rate (mL/min): 200
7. Water Level Measuring Equip.: Geotech
8. Purge Equipment Used: Peristaltic
9. Dedicated? (Yes/No): Yes / No
10. Immiscibility layer? Yes / No
11. Thickness of immiscible layer: N/A
12. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10	D.O. (mg/L) <0.5 ±10%	Turbidity (NTU) ±10	pH 0.1	Drawdown WL	Notes
1200									
1207									
1205	10000	24.3	6706	-12.7	1.08	190	5.21	8.44	pump start
1210	2000	23.9	6674	-83.1	0.36	78.8	5.21	9.02	purge start
1215	3000	23.8	6725	-116.9	0.22	55.5	5.16	9.09	
1220	4000	23.8	6781	-133.7	0.20	41.9	5.13	9.20	
1225	5000	23.8	6820	-161.1	0.18	29.4	5.10	9.32	
1230	6000	23.8	6827	-176.7	0.16	26.3	5.09	9.34	
1235	7000	23.7	6855	-187.8	0.15	21.6	5.08	9.38	
1240	8000	23.7	6858	-199.0	0.15	19.0	5.07	9.41	
1245	9000	23.6	6893	-210.2	0.13	16.4	5.07	9.45	
1250	10000	23.7	6925	-215.9	0.13	14.1	5.05	9.47	
1255	11000	23.7	6955	-218.5	0.13	10.7	5.03	9.50	
1300	12000	23.7	6983	-226.9	0.13	4.99	5.02	9.52	
1305	13000	23.7	6983	-226.3	0.12	5.30	5.02	9.53	
1310	14000	23.5	6998	-224.3	0.12	4.67	5.01	9.56	
1315									sample time
1325									pump stop

1. Well evacuated to dryness? Yes / No
2. Sample Filtered? Yes / No
3. Sampling Equip. Used: peristaltic
4. Drive Gas (Air/Nitrogen) AIR / NITROGEN / N/A
5. Sample Rate (mL/min): 200
6. Sample Appearance:
   - Turbidity: clear
   - Color: none
   - Odor: none
7. Time to recharge (min): N/A
8. Sample Time: 1315
9. Parameter/Container/Pres.: **App. III and App. IV CCR Parameters**
   Na, Mg, K, Fe, Al, Alkalinity
9. Other Information:
10. Decontamination Procedures: **Alconox/DI Rinse**
11. Instrument type: **YSI ProSeries**
    Calibration Date:
    Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES** | Sampler Name(s): JMT

MW Identification: SSP MW-6D | Date/Time: 7/17/25

Sample Number: | PID Readings: **N/A**

Weather Conditions: partly cloudy

Wellhead Inspection: average

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / No
2. Collision/Vandalism Damage:	Yes / No	6. Frost Heaving:	Yes / No
3. Casing Degradation:	Yes / No	7. Lock in Place:	Yes / No
4. Well Subsidence:	Yes / No		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	8.00	7. Purge Rate (mL/min)	200
2. Intake Depth (±0.01 ft.)	51.59	7. Water Level Measuring Equip.	geotech
3. Bottom of casing (±0.01 ft.)	55.59	8. Purge Equipment Used	peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	4000	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	N/A
Odor: none	Turbidity: clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color: none			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
		±3%	±3%	±10	±10% <0.5	±10% <10	±0.1	WL	
1400									
1405									
1410	2000	24.0	5195	-250.2	0.38	0.02	6.36	7.74	pump start
1415	4000	24.5	5187	-260.6	0.25	0.02	6.36	10.84	purge stop
1420	5000	24.4	5206	-262.1	0.22	0.02	6.36	12.33	
1425	6000	24.4	5201	-269.0	0.20	0.02	6.36	13.43	
1430	7000	24.5	5197	-270.0	0.20	0.02	6.35	15.26	
1435	8000	24.3	5196	-272.2	0.18	0.02	6.35	15.84	
1440								17.08	
1500									sample time
									pump stop

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / No	8. Sample Time:	1410
3. Sampling Equip. Used	peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/ N/A		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	200	9. Other Information:	
6. Sample Appearance:			
Turbidity	clear		
Color	none		
Odor	none		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s):	F L
MW Identification:	SSP/AP MW-1	Date/Time:	11/12/25
Sample Number:		PID Readings: **N/A**	
Weather Conditions:	calm, sunny, 80's		
Wellhead Inspection:	Average		

Visual Inspection:

1. Survey Mark Present:	Yes / No	5. Standing/Ponded Water:	Yes / (No)
2. Collision/Vandalism Damage:	Yes / (No)	6. Frost Heaving:	Yes / (No)
3. Casing Degradation:	Yes / No	7. Lock in Place:	(Yes) / No
4. Well Subsidence:	Yes / (No)		

Ground Water Measurements/Purge data:

1. Static Water Level (±0.01 feet [ft.])	10.19	7. Purge Rate (mL/min)	120
2. Intake Depth (±0.01 ft.)	41.00	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	43.22	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2	9. Dedicated? (Yes/No)	Yes / (No)
5. Actual Volume of Water Purged (mL)	12750	10. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	—
Odor: none Turbidity	clear	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)
Color: clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	Notes
0950									START PUMP
0955	1250	23.0	8714	74.1	6.04	1.94	5.62	11.37	
1000	2500	23.0	8650	65.6	5.80	6.26	5.63	12.44	flow reduced
1005	3500	23.2	8685	59.6	1.50	4.15	5.61	12.86	
1010	4500	23.1	8627	55.3	3.72	3.96	5.63	13.36	flow reduced
1015	5250	23.4	8736	61.1	4.03	3.77	5.65	13.31	
1020	6000	23.5	8768	65.9	3.75	2.30	5.66	13.36	
1025	6750	23.5	8728	65.8	4.29	2.31	5.65	13.45	
1030	7500	23.5	8753	64.2	3.40	6.76	5.65	13.58	
1035	8250	23.5	8753	61.6	3.70	9.71	5.62	13.68	
1040	9000	23.5	8841	60.3	5.38	5.13	5.62	13.76	
1045	9750	23.6	8840	54.8	4.76	5.22	5.61	13.86	
1050	10350	23.6	8860	53.7	5.10	5.71	5.61	13.91	flow reduced
1055	10950	23.8	8903	52.1	1.40	1.69	5.60	13.87	
1100	11550	23.8	8860	46.6	1.34	2.62	5.61	13.87	
1105	12150	23.8	8746	41.9	1.28	8.84	5.59	13.87	
1110	12750	23.9	8719	38.3	1.29	2.95	5.59	13.88	
1110									SAMPLE
1145									Pump OFF

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	N/A
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1110
3. Sampling Equip. Used	Peristaltic	9: Parameter/Container/Pres.	**App. III and App. IV CCR Parameters**
4. Drive Gas (Air/Nitrogen)	AIR /NITROGEN/(N/A)		**Na, Mg, K, Fe, Al, Alkalinity**
5. Sample Rate (mL/min)	120		
6. Sample Appearance:	good	9. Other Information:	
Turbidity	clear		
Color	clear		
Odor	odorless		

10. Decontamination Procedures: **Alconox/DI Rinse**

11. Instrument type: **YSI ProSeries**

Calibration Date:

Calibration Time:

	Stnd.	Reading	Temp.
pH			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Appendix C

RPD & Groundwater Elevation Tables

Table C-1
Groundwater Duplicate Sample RPD Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Parameter	Units	May/June 2025		
		AP MW-3	AP MWT-3	RPD
Arsenic	mg/L	0.00137 J	0.00140 J	N/A
Barium	mg/L	0.0191	0.0202	5.60%
Beryllium	mg/L	0.00287	0.00295	2.75%
Boron	mg/L	4.44	4.48	0.90%
Cadmium	mg/L	0.00345	0.00348	0.87%
Calcium	mg/L	119	119	0.00%
Chloride	mg/L	141	131	7.35%
Chromium	mg/L	<0.000560	0.000562 J	N/A
Cobalt	mg/L	0.0323	0.0331	2.45%
Fluoride	mg/L	0.141 J	0.133 J	N/A
Lithium	mg/L	0.0804	0.0815	1.36%
Mercury	mg/L	0.00122	0.00122	0.00%
Molybdenum	mg/L	0.000319 J	0.000380 J	N/A
Radium 226+228	pCi/L	2.96	2.22	28.57%
Selenium	mg/L	0.000998 J	0.000615 J	N/A
Sulfate	mg/L	617	615.00	0.32%
Total Dissolved Solids	mg/L	1,390	1,190	15.50%

Parameter	Units	May/June 2025		
		AP MW-3D	AP MWT-3D	RPD
Arsenic	mg/L	0.00711	0.00756	6.13%
Barium	mg/L	0.0417	0.0486	15.28%
Beryllium	mg/L	0.000889 J	0.00103 J	N/A
Boron	mg/L	1.56	1.53	1.94%
Cadmium	mg/L	0.000398 J	0.000452 J	N/A
Calcium	mg/L	197	204	3.49%
Chloride	mg/L	235	230	2.15%
Chromium	mg/L	0.00136 J	0.00156 J	N/A
Cobalt	mg/L	0.0374	0.0410	9.18%
Lead	mg/L	0.00153 J	0.00196 J	N/A
Lithium	mg/L	0.160	0.164	2.47%
Molybdenum	mg/L	0.00111 J	0.00116 J	N/A
Radium 226+228	pCi/L	2.64	2.94	10.75%
Selenium	mg/L	0.00316	0.00366	14.66%
Sulfate	mg/L	887	869	2.05%
Total Dissolved Solids	mg/L	1,770	1,780	0.56%

Parameter	Units	May/June 2025		
		AP MW-4S	AP MWT-4S	RPD
Arsenic	mg/L	0.00976	0.00893	8.88%
Barium	mg/L	0.0203	0.0193	5.05%
Beryllium	mg/L	0.0107	0.00988	7.97%
Boron	mg/L	3.40	3.29	3.29%
Cadmium	mg/L	0.000287 J	0.000273 J	N/A
Chromium	mg/L	<0.000560	0.00163 J	N/A
Calcium	mg/L	125	121	3.25%
Chloride	mg/L	119	119	0.00%
Cobalt	mg/L	0.0457	0.0430	6.09%
Fluoride	mg/L	0.347 J	0.339 J	N/A
Lithium	mg/L	0.171	0.166	2.97%
Mercury	mg/L	<0.0000706	0.0000710 J	N/A
Radium 226+228	pCi/L	1.55	1.82	16.02%
Selenium	mg/L	0.00534	0.00468	13.17%
Sulfate	mg/L	686	717	4.42%
Total Dissolved Solids	mg/L	1,420	1,400	1.42%

Table C-1
Groundwater Duplicate Sample RPD Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Parameter	Units	May/June 2025		
		SFL MW-1S(R)-Contingency	SFL MWT-1S (Contingency)	RPD
Arsenic	mg/L	0.00847	0.00835	1.43%
Barium	mg/L	0.0324	0.0342	5.41%
Beryllium	mg/L	0.0472	0.0474	0.42%
Boron	mg/L	0.363	0.328	10.13%
Cadmium	mg/L	0.0355	0.0370	4.14%
Chromium	mg/L	0.00105 J	0.00109 J	N/A
Calcium	mg/L	890	745	17.74%
Chloride	mg/L	1,870	1,880	0.53%
Cobalt	mg/L	0.253	0.275	8.33%
Fluoride	mg/L	1.62 J	1.31 J	N/A
Lead	mg/L	0.00238	0.00257	7.68%
Lithium	mg/L	0.369	0.343	7.30%
Radium 226+228	pCi/L	1.83	2.04	10.85%
Selenium	mg/L	0.0975	0.0940	3.66%
Sulfate	mg/L	1,630	1,670	2.42%
Thallium	mg/L	0.00619	0.00675	8.66%
Total Dissolved Solids	mg/L	5,760	5,220	9.84%

Parameter	Units	May/June 2025		
		SFL MW-2	SFL MWT-2	RPD
Arsenic	mg/L	0.000999 J	0.00117 J	N/A
Barium	mg/L	0.0211	0.0256	19.27%
Beryllium	mg/L	0.00276	0.00296	6.99%
Boron	mg/L	0.672	0.589	13.16%
Cadmium	mg/L	0.00152 J	0.00165 J	N/A
Calcium	mg/L	890	775	13.81%
Chloride	mg/L	2,620	2,770	5.57%
Cobalt	mg/L	0.0111	0.0114	2.67%
Lithium	mg/L	0.571	0.529	7.64%
Molybdenum	mg/L	0.000409 J	0.000433 J	N/A
Radium 226+228	pCi/L	8.72	7.17	19.51%
Selenium	mg/L	0.00256	0.00254	0.78%
Sulfate	mg/L	1,700	1,630	4.20%
Thallium	mg/L	0.000533 J	0.000583 J	N/A
Total Dissolved Solids	mg/L	5,870	7,490	24.25%

Parameter	Units	May/June 2025		
		SFL MW-5D	SFL MWT-5D	RPD
Arsenic	mg/L	0.00227 J	0.00235 J	N/A
Barium	mg/L	0.0403	0.0387	4.05%
Boron	mg/L	1.30	1.27	2.33%
Calcium	mg/L	175	174	0.57%
Chloride	mg/L	964	954	1.04%
Chromium	mg/L	0.000975 J	0.000906 J	N/A
Cobalt	mg/L	0.00111 J	0.00113 J	N/A
Fluoride	mg/L	0.675 J	0.659 J	N/A
Lithium	mg/L	0.417	0.403	3.41%
Molybdenum	mg/L	0.00942	0.00930	1.28%
Radium 226+228	pCi/L	0.586 U	1.90	N/A
Selenium	mg/L	0.000743 J	0.000664 J	N/A
Sulfate	mg/L	704	697	1.00%
Total Dissolved Solids	mg/L	2,920	2,690	8.20%

Table C-1
Groundwater Duplicate Sample RPD Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Parameter	Units	July 2025		
		AP MW-1	AP MWT-1 FD-1	RPD
Arsenic	mg/L	0.00425	0.00406	4.57%
Barium	mg/L	0.0537	0.0531	1.12%
Beryllium	mg/L	0.00617	0.00600	2.79%
Boron	mg/L	3.98	4.07	2.24%
Calcium	mg/L	160	171	6.65%
Chloride	mg/L	306	311	1.62%
Cobalt	mg/L	0.119	0.117	1.69%
Lithium	mg/L	0.116	0.124	6.67%
Molybdenum	mg/L	0.00304	0.00299	1.66%
Radium 226+228	pCi/L	5.06	4.26	17.17%
Sulfate	mg/L	788	792	0.51%
Total Dissolved Solids	mg/L	2,030	1,740	15.38%

Parameter	Units	July 2025		
		SSP MW-4S	SSP MWT-4S FD-2	RPD
Arsenic	mg/L	0.0104	0.0105	0.96%
Barium	mg/L	0.0282	0.0303	7.18%
Beryllium	mg/L	0.0276	0.0287	3.91%
Boron	mg/L	11.4	11.2	1.77%
Cadmium	mg/L	0.00224	0.00229	2.21%
Calcium	mg/L	500	500	0.00%
Chloride	mg/L	488	488	0.00%
Chromium	mg/L	0.000712 J	0.000757 J	N/A
Cobalt	mg/L	0.104	0.105	0.96%
Fluoride	mg/L	2.37 J	2.37 J	N/A
Lead	mg/L	0.0150	0.0158	5.19%
Lithium	mg/L	0.189	0.181	4.32%
Mercury	mg/L	0.0000900 J	0.000108 J	N/A
Radium 226+228	pCi/L	14.9	16.7	11.39%
Selenium	mg/L	0.00135 J	0.00170 J	N/A
Sulfate	mg/L	2,730	2,700	1.10%
Thallium	mg/L	0.00318	0.00334	4.91%
Total Dissolved Solids	mg/L	2,510	3,600	35.68%

Parameter	Units	July 2025		
		SFL MW-8D	FD3	RPD
Arsenic	mg/L	0.00309 J	0.00317 J	N/A
Barium	mg/L	0.0375	0.0393	4.69%
Boron	mg/L	0.877	0.891	1.58%
Calcium	mg/L	159	163	2.48%
Chloride	mg/L	393	394	0.25%
Cobalt	mg/L	0.00176 J	0.00183 J	N/A
Fluoride	mg/L	0.117 J	<0.100	N/A
Lithium	mg/L	0.329	0.340	3.29%
Molybdenum	mg/L	0.00263	0.00273	3.73%
Radium 226+228	pCi/L	1.07	1.16	8.07%
Sulfate	mg/L	624	622	0.32%
Total Dissolved Solids	mg/L	1,720	1,830	6.20%

Table C-1
Groundwater Duplicate Sample RPD Summary
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Gibbons Creek Steam Electric Station

Parameter	Units	August 2025		
		SSP MW-5S	FD-1	RPD
Arsenic	mg/L	0.0078	0.00768	1.04%
Barium	mg/L	0.0289	0.0296	2.39%
Beryllium	mg/L	0.00253 J	0.00263	N/A
Boron	mg/L	0.198	0.200	1.01%
Cadmium	mg/L	0.00130 J	0.00132 J	N/A
Calcium	mg/L	468	441	5.94%
Chloride	mg/L	1,920	1,940	1.04%
Cobalt	mg/L	0.0377	0.0384	1.84%
Lithium	mg/L	0.230	0.0976	**80.83%**
Molybdenum	mg/L	0.000256 J	<0.000255	N/A
Radium 226+228	pCi/L	3.87	3.57	8.06%
Sulfate	mg/L	944	956	1.26%
Total Dissolved Solids	mg/L	5,600	4,830	14.77%

Parameter	Units	August 2025		
		AP PZ-1	FD-2	RPD
Arsenic	mg/L	0.00751	0.00727	3.25%
Barium	mg/L	0.0275	0.0268	2.58%
Beryllium	mg/L	0.00588	0.00569	3.28%
Boron	mg/L	0.318	0.310	2.55%
Cadmium	mg/L	0.00643	0.00626	2.68%
Calcium	mg/L	1,040	1,040	0.00%
Chloride	mg/L	2,500	2,510	0.40%
Cobalt	mg/L	0.0515	0.0496	3.76%
Lead	mg/L	0.000566 J	0.000534 J	N/A
Lithium	mg/L	0.669	0.656	1.96%
Molybdenum	mg/L	0.000377 J	0.000331 J	N/A
Radium 226+228	pCi/L	10.3	10.5	1.92%
Sulfate	mg/L	1,940	1,950	0.51%
Thallium	mg/L	0.00180 J	0.00174 J	N/A
Total Dissolved Solids	mg/L	5,690	6,220	8.90%

Parameter	Units	August 2025		
		SFL MW-7S	FD-3	RPD
Arsenic	mg/L	0.00185 J	0.00190 J	N/A
Barium	mg/L	0.0383	0.0381	0.52%
Boron	mg/L	0.788	0.758	3.88%
Calcium	mg/L	1,060	1,000	5.83%
Chloride	mg/L	4,130	4,150	0.48%
Cobalt	mg/L	0.00116 J	0.00118 J	N/A
Lithium	mg/L	0.280	0.271	3.27%
Molybdenum	mg/L	0.000358 J	0.000328 J	N/A
Radium 226+228	pCi/L	7.13	7.95	10.88%
Sulfate	mg/L	1,520	1,530	0.66%
Thallium	mg/L	<0.00208	0.000775 J	N/A
Total Dissolved Solids	mg/L	10,200	10,600	3.85%

Table C-1
Groundwater Duplicate Sample RPD Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Parameter	Units	October 2025		
		SSP MW-6D	FD-1	RPD
Barium	mg/L	0.0383	0.0382	0.26%
Boron	mg/L	0.523	0.490	6.52%
Calcium	mg/L	455	373	19.81%
Chloride	mg/L	1,470	1,540	4.65%
Chromium	mg/L	<0.00280	0.000618 J	N/A
Fluoride	mg/L	0.115 J	0.111 J	N/A
Lithium	mg/L	0.248	0.285	13.88%
Radium 226+228	pCi/L	3.83	4.34	12.48%
Sulfate	mg/L	1,170	1,220	4.18%
Total Dissolved Solids	mg/L	4,050	3,680	9.57%

Parameter	Units	October 2025		
		AP PZ-1	FD-2	RPD
Antimony	mg/L	0.000897 J	<0.000750	N/A
Arsenic	mg/L	0.00638	0.00112 J	N/A
Barium	mg/L	0.0278	0.231	**157.03%**
Beryllium	mg/L	0.00528	<0.000271	N/A
Boron	mg/L	0.329	0.395	18.23%
Cadmium	mg/L	0.00460	<0.000240	N/A
Calcium	mg/L	985	498	**65.68%**
Chloride	mg/L	2,610	2,610	0.00%
Cobalt	mg/L	0.0461	<0.000355	N/A
Fluoride	mg/L	0.193 J	0.212 J	N/A
Lead	mg/L	0.000668 J	<0.000367	N/A
Lithium	mg/L	0.787	0.563	33.19%
Molybdenum	mg/L	0.000470 J	0.00120 J	N/A
Radium 226+228	pCi/L	11.9	11.6	2.55%
Sulfate	mg/L	1,980	1,980	0.00%
Thallium	mg/L	0.00181 J	<0.000415	N/A
Total Dissolved Solids	mg/L	5,910	3,580	49.10%

Parameter	Units	October 2025		
		SFL MW-1S(R)-Contingency	FD-3	RPD
Arsenic	mg/L	0.00796	0.00808	1.50%
Barium	mg/L	0.0294	0.0304	3.34%
Beryllium	mg/L	0.0441	0.0448	1.57%
Boron	mg/L	0.223 J	0.269	N/A
Cadmium	mg/L	0.0372	0.0391	4.98%
Calcium	mg/L	840	945	11.76%
Chloride	mg/L	2,440	2,410	1.24%
Chromium	mg/L	0.00128 J	0.00124 J	N/A
Cobalt	mg/L	0.255	0.265	3.85%
Fluoride	mg/L	1.21	1.24	2.45%
Lead	mg/L	0.00325	0.00	4.80%
Lithium	mg/L	0.307	0.274	11.36%
Radium 226+228	pCi/L	2.95	1.69	**54.31%**
Selenium	mg/L	0.00157 J	0.00173 J	N/A
Sulfate	mg/L	1,890	1,870	1.06%
Thallium	mg/L	0.00507	0.00529	4.25%
Total Dissolved Solids	mg/L	5,570	5,520	0.90%

Table C-1
Groundwater Duplicate Sample RPD Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Parameter	Units	November 2025		
		SFL MW-3	FD1 (11/12/2025)	RPD
Arsenic	mg/L	0.00326 J	0.00324 J	N/A
Barium	mg/L	0.0104	0.0110	5.61%
Beryllium	mg/L	0.0295	0.0296	0.34%
Boron	mg/L	5.58	5.37	3.84%
Cadmium	mg/L	0.00448	0.00432	3.64%
Calcium	mg/L	541	610	11.99%
Chloride	mg/L	846	850	0.47%
Cobalt	mg/L	0.0477	0.0472	1.05%
Fluoride	mg/L	0.558	0.559	0.18%
Lead	mg/L	0.0172	0.0177	2.87%
Lithium	mg/L	0.304	0.210	36.58%
Mercruy	mg/L	<0.0000706	0.0000990 J	N/A
Radium 226+228	pCi/L	5.97	5.03	17.09%
Selenium	mg/L	0.00101 J	0.000880 J	N/A
Sulfate	mg/L	2,550	2,560	0.39%
Thallium	mg/L	0.00549	0.00550 J	N/A
Total Dissolved Solids	mg/L	4,210	4,430	5.09%

Parameter	Units	November 2025		
		SFL MW-8S	FD1 (11/19/2025)	RPD
Arsenic	mg/L	0.0100	0.0101	1.00%
Barium	mg/L	0.0227	0.0196	14.66%
Beryllium	mg/L	0.0387	0.0462	17.67%
Boron	mg/L	18.8	19.1	1.58%
Cadmium	mg/L	0.00545	0.00740	30.35%
Calcium	mg/L	499	515	3.16%
Chloride	mg/L	1,320	1,310	0.76%
Chromium	mg/L	0.000819 J	0.000762 J	N/A
Cobalt	mg/L	0.109	0.112	2.71%
Fluoride	mg/L	0.760	1.02	29.21%
Lead	mg/L	0.0233	0.0270	14.71%
Lithium	mg/L	0.367	0.386	5.05%
Radium 226+228	pCi/L	4.37	4.27	2.31%
Selenium	mg/L	0.0376	<0.000590	N/A
Sulfate	mg/L	1,190	1,440	19.01%
Thallium	mg/L	0.00322	0.00347	7.47%
Total Dissolved Solids	mg/L	4,240	4,210	0.71%

Parameter	Units	November 2025		
		AP MW-3	FD2 (11/12/2025)	RPD
Arsenic	mg/L	0.00135 J	0.00139 J	N/A
Barium	mg/L	0.0192	0.0193	0.52%
Beryllium	mg/L	0.00254	0.00251	1.19%
Boron	mg/L	4.58	4.45	2.88%
Cadmium	mg/L	0.00302	0.00334	10.06%
Calcium	mg/L	129	126	2.35%
Chloride	mg/L	129	129	0.00%
Cobalt	mg/L	0.0280	0.0302	7.56%
Lithium	mg/L	0.0660	0.0484	30.77%
Mercury	mg/L	0.000888	0.000915	3.00%
Molybdenum	mg/L	0.000434 J	0.000321 J	N/A
Radium 226+228	pCi/L	2.28	3.70	47.49%
Sulfate	mg/L	677	700	3.34%
Total Dissolved Solids	mg/L	1,160	1,190	2.55%

Table C-1
Groundwater Duplicate Sample RPD Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Parameter	Units	November 2025		
		SFL MW-7S	FD2 (11/19/2025)	RPD
Arsenic	mg/L	0.00245 J	0.00186 J	N/A
Barium	mg/L	0.0322	0.0316	1.88%
Boron	mg/L	0.761	0.834	9.15%
Calcium	mg/L	1,080	1,020	5.71%
Chloride	mg/L	4,160	4,050	2.68%
Cobalt	mg/L	0.00155 J	0.00134 J	N/A
Lithium	mg/L	0.624	0.626	0.32%
Molybdenum	mg/L	0.000392 J	0.000450 J	N/A
Radium 226+228	pCi/L	9.65	8.59	11.62%
Sulfate	mg/L	1,540	1,480	3.97%
Thallium	mg/L	0.000754 J	0.000631 J	N/A
Total Dissolved Solids	mg/L	9,340	9,300	0.43%

Parameter	Units	November 2025		
		SSP MW-4S	FD3	RPD
Arsenic	mg/L	0.0112	0.0122	8.55%
Barium	mg/L	0.0217	0.0247	12.93%
Beryllium	mg/L	0.0223	0.0253	12.61%
Boron	mg/L	10.5	11.6	9.95%
Cadmium	mg/L	0.00191 J	0.00213	N/A
Calcium	mg/L	550	503	8.93%
Chloride	mg/L	525	579	9.78%
Chromium	mg/L	0.00160 J	0.00239 J	N/A
Cobalt	mg/L	0.101	0.111	9.43%
Fluoride	mg/L	2.50	2.60	3.92%
Lead	mg/L	0.0147	0.0171	15.09%
Lithium	mg/L	0.176	0.284	46.96%
Mercury	mg/L	0.000155 J	0.000169 J	N/A
Radium 226+228	pCi/L	12.2	13.50	10.12%
Selenium	mg/L	0.0502	0.0550	9.13%
Sulfate	mg/L	3,090	3,450	11.01%
Thallium	mg/L	0.00314	0.00361	13.93%
Total Dissolved Solids	mg/L	4,540	4,720	3.89%

Parameter	Units	November 2025		
		AP PZ-4S	FD4	RPD
Arsenic	mg/L	0.00665	0.00638	4.14%
Barium	mg/L	0.0539	0.0534	0.93%
Boron	mg/L	1.01	0.0576	**178.42%**
Calcium	mg/L	890	47.4	**179.77%**
Chloride	mg/L	2,390	3,090	25.55%
Chromium	mg/L	0.00132 J	0.00226 J	N/A
Cobalt	mg/L	0.00593	0.00596	0.50%
Lithium	mg/L	0.811	0.0272	**187.02%**
Molybdenum	mg/L	0.00186 J	0.00192 J	N/A
Radium 226+228	pCi/L	4.75	5.01	5.33%
Sulfate	mg/L	950	1,250	27.27%
Total Dissolved Solids	mg/L	6,590	6,790	2.99%

Notes:

Bold & Underlined value indicates RPD exceeds the 50% threshold for good error control.
N/A = Not Applicable. The relative percent difference was not calculated since one or both concentrations for the monitoring well sample/duplicate pair were below laboratory reporting limits.
J = J-flagged; Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
mg/L = milligrams per liter
pCi/L = picocuries per liter
RPD = Relative Percent Difference
U = Laboratory data qualifier indicating parameter was analyzed for but is less than the sample detection limit.

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Table C-2
Monitoring Well Piezometer Well Construction and Water Level Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Well/Piezometer ID	Monitoring System Well Designation[1]	Total Advanced Drilling Depth[2] (Feet BGS)	TOC Elevation (Feet AMSL)	Ground Surface Elevation (Feet AMSL)	Top Screen Elevation (Feet AMSL)	Bottom Screen Elevation (Feet AMSL)	Depth to Water (Feet BTOC) May 19, 2025	Groundwater Elevation (Feet AMSL) May 19, 2025	Depth to Water (Feet BTOC) July 16, 2025	Groundwater Elevation (Feet AMSL) July 16, 2025
SFL - Shallow Groundwater Monitoring										
SFL MW-1S(R) - Contingency	UG/CG	27	275.44	272.2	255.5	245.5	17.02	258.42	17.03	258.41
SFL MW-2	DG	50	268.31	265.69	249.7	244.7	9.52	258.79	9.58	258.73
SFL MW-3	DG	25	275.00	271.65	252.2	247.2	19.16	255.84	19.38	255.62
SFL MW-4S	DG	30	269.08	265.9	255.2	245.2	15.31	253.77	15.45	253.63
SFL MW-5	DG	25	276.25	273.33	257.3	252.3	14.42	261.83	14.46	261.79
SFL MW-6	UG	20	286.66	283.49	269.0	264.0	18.18	268.48	18.73	267.93
SFL MW-7S	DG	30	264.47	261.4	245.7	235.7	14.98	249.49	14.77	249.70
SFL MW-8S	DG	20	266.38	263.1	253.4	243.4	11.28	255.10	11.38	255.00
MNW-15	DG	35	257.33	257.54	235.3	230.3	7.40	249.93	7.01	250.32
MNW-17	WLO	50	293.72	293.864	248.5	243.5	33.72	260.00	37.85	255.87
SFL - Deep Groundwater Monitoring										
SFL MW-2D	DG	55	262.63	259.4	215.7	205.7	4.17	258.46	4.12	258.51
SFL MW-3D	DG	60	275.13	271.9	223.2	213.2	19.66	255.47	19.78	255.35
SFL MW-4	DG	40	269.53	266.46	232.0	227.0	14.93	254.60	15.09	254.44
SFL MW-5D	DG	64	277.02	273.7	221.0	211.0	24.97	252.05	24.80	252.22
SFL MW-6D	DG	80	286.01	283.0	222.3	212.3	72.33	213.68	68.85	217.16
SFL MW-7	DG	55	264.63	264.83	214.8	209.8	15.52	249.11	15.44	249.19
SFL MW-8D	DG	45	266.24	263.1	230.4	220.4	10.02	256.22	10.00	256.24
MNW-11	WLO	50	267.95	268.12	225.7	220.7	19.11	248.84	20.70	247.25
MNW-15D	DG	50	258.52	255.3	211.6	206.6	5.70	252.82	5.59	252.93
MNW-16	WLO	39	263.19	263.333	227.8	222.8	13.29	249.90	12.56	250.63
MNW-18	UG	50	270.76	270.912	224.7	219.7	8.42	262.34	8.37	262.39

Table C-2
Monitoring Well Piezometer Well Construction and Water Level Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Well/Piezometer ID	Depth to Water (Feet BTOC) August 22, 2025	Groundwater Elevation (Feet AMSL) August 22, 2025	Depth to Water (Feet BTOC) October 10, 2025	Groundwater Elevation (Feet AMSL) October 10, 2025	Depth to Water (Feet BTOC) November 11, 2025	Groundwater Elevation (Feet AMSL) November 11, 2025
SFL - Shallow Groundwater Monitoring						
SFL MW-1S(R) - Contingency	17.02	258.42	17.46	257.98	17.58	257.86
SFL MW-2	9.69	258.62	10.29	258.02	10.60	257.71
SFL MW-3	19.35	255.65	19.55	255.45	19.61	255.39
SFL MW-4S	15.48	253.60	16.28	252.80	16.59	252.49
SFL MW-5	14.70	261.55	15.23	261.02	15.33	260.92
SFL MW-6	18.62	268.04	18.73	267.93	18.61	268.05
SFL MW-7S	15.59	248.88	16.30	248.17	16.09	248.38
SFL MW-8S	11.50	254.88	11.92	254.46	12.00	254.38
MNW-15	7.60	249.73	8.32	249.01	8.06	249.27
MNW-17	37.40	256.32	37.57	256.15	37.51	256.21
SFL - Deep Groundwater Monitoring						
SFL MW-2D	4.57	258.06	4.85	257.78	4.71	257.92
SFL MW-3D	19.81	255.32	20.34	254.79	20.70	254.43
SFL MW-4	15.20	254.33	15.91	253.62	16.16	253.37
SFL MW-5D	24.93	252.09	24.95	252.07	24.80	252.22
SFL MW-6D	68.30	217.71	66.35	219.66	65.79	220.22
SFL MW-7	16.12	248.51	16.62	248.01	16.49	248.14
SFL MW-8D	10.00	256.24	10.32	255.92	10.39	255.85
MNW-11	20.53	247.42	20.21	247.74	20.04	247.91
MNW-15D	6.03	252.49	6.58	251.94	6.27	252.25
MNW-16	12.73	250.46	13.12	250.07	13.13	250.06
MNW-18	9.19	261.57	9.85	260.91	9.68	261.08

Table C-2
Monitoring Well Piezometer Well Construction and Water Level Summary
2025 Annual Groundwater Monitoring and Corrective Action Report
Gibbons Creek Steam Electric Station

Well/Piezometer ID	Monitoring System Well Designation[1]	Total Advanced Drilling Depth[2] (Feet BGS)	TOC Elevation (Feet AMSL)	Ground Surface Elevation (Feet AMSL)	Top Screen Elevation (Feet AMSL)	Bottom Screen Elevation (Feet AMSL)	Depth to Water (Feet BTOC) May 19, 2025	Groundwater Elevation (Feet AMSL) May 19, 2025	Depth to Water (Feet BTOC) July 16, 2025	Groundwater Elevation (Feet AMSL) July 16, 2025
SSP/APs - Shallow Groundwater Monitoring										
AP MW-1 [3]	DG	35	271.56	270.0	251.5	246.5	15.03	256.53	14.84	256.72
AP MW-2 [3]	WLO	35	274.97	272.0	259.8	254.8	12.15	262.82	12.52	262.45
AP MW-3	DG/CG	40	274.68	271.46	237.0	232.0	13.69	260.99	13.70	260.98
AP MW-4S	DG	35	273.92	270.8	246.1	236.1	19.46	254.46	19.15	254.77
AP MW-5	DG	40	274.13	271.16	240.7	235.7	15.22	258.91	15.02	259.11
AP MW-7S	DG	35	279.58	276.4	251.7	241.7	21.43	258.15	21.35	258.23
AP PZ-1	UG	35	265.67	262.70	241.7	236.7	6.57	259.10	6.18	259.49
AP PZ-4S	DG/CG	35	273.69	270.7	246.0	236.0	12.32	261.37	12.13	261.56
SSP / AP MW-1	WLO	40	272.53	269.33	239.8	229.8	9.76	262.77	9.95	262.58
SSP MW-1 [3]	WLO	28	281.18	279.0	254.3	249.3	16.44	264.74	16.62	264.56
SSP MW-2	DG	45	283.66	280.62	242.1	237.1	24.03	259.63	24.10	259.56
SSP MW-3	DG	45	283.65	280.95	241.5	236.5	27.66	255.99	27.66	255.99
SSP MW-4S	DG	33	284.38	281.1	258.4	248.4	25.40	258.98	25.36	259.02
SSP MW-5S	UG	40	283.77	280.7	251.0	241.0	19.89	263.88	20.01	263.76
SSP MW-6S	UG	32.5	271.03	268.9	246.4	236.4	8.44	262.59	7.82	263.21
SSP/APs - Deep Groundwater Monitoring										
AP MW-1D	DG	40	272.04	269.02	234.5	229.5	17.47	254.57	15.98	256.06
AP MW-3D	DG/CG	55	273.67	270.5	225.8	215.8	12.87	260.80	12.81	260.86
AP MW-4	DG	50	274.16	270.93	226.4	221.4	14.31	259.85	14.20	259.96
AP MW-5D	DG	52	273.76	270.7	229.0	219.0	15.60	258.16	15.48	258.28
AP MW-6	WLO	50	277.78	274.74	233.7	228.7	18.10	259.68	17.92	259.86
AP MW-7D	DG	53	279.42	276.4	233.7	223.7	34.01	245.41	35.08	244.34
AP PZ-2	WLO	40	274.91	271.71	237.2	232.2	19.94	254.97	18.63	256.28
AP PZ-3	WLO	40	259.11	255.76	221.3	216.3	5.78	253.33	5.83	253.28
AP PZ-4	DG/CG	45	273.65	271.39	232.9	227.9	11.51	262.14	12.98	260.67
SSP MW-2D	DG	60	283.00	279.7	230.0	220.0	23.25	259.75	23.28	259.72
SSP MW-3D	DG	57	284.13	281.3	229.6	224.6	28.14	255.99	27.99	256.14
SSP MW-4	DG	50	283.86	280.86	237.9	232.9	25.35	258.51	24.97	258.89
SSP MW-5D	UG	60	283.96	280.7	231.0	221.0	23.88	260.08	23.52	260.44
SSP MW-6D	UG	50	271.08	268.0	228.3	218.3	7.94	263.14	7.91	263.17

Table C-2
Monitoring Well Piezometer Well Construction and Water Level Summary
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Gibbons Creek Steam Electric Station

Well/Piezometer ID	Depth to Water (Feet BTOC) August 22, 2025	Groundwater Elevation (Feet AMSL) August 22, 2025	Depth to Water (Feet BTOC) October 10, 2025	Groundwater Elevation (Feet AMSL) October 10, 2025	Depth to Water (Feet BTOC) November 11, 2025	Groundwater Elevation (Feet AMSL) November 11, 2025
SSP/AP - Shallow Groundwater Monitoring						
AP MW-1 [3]	14.98	256.58	15.65	255.91	15.83	255.73
AP MW-2 [3]	13.45	261.52	14.43	260.54	14.60	260.37
AP MW-3	14.06	260.62	14.73	259.95	15.08	259.60
AP MW-4S	19.65	254.27	19.99	253.93	20.19	253.73
AP MW-5	15.33	258.80	15.80	258.33	16.05	258.08
AP MW-7S	21.78	257.80	22.35	257.23	22.40	257.18
AP PZ-1	8.45	257.22	9.98	255.69	9.82	255.85
AP PZ-4S	12.56	261.13	12.88	260.81	13.34	260.35
SSP / AP MW-1	9.84	262.69	10.11	262.42	10.47	262.06
SSP MW-1 [3]	17.03	264.15	17.68	263.50	17.98	263.20
SSP MW-2	24.61	259.05	25.24	258.42	25.46	258.20
SSP MW-3	28.38	255.27	29.17	254.48	29.39	254.26
SSP MW-4S	26.38	258.00	26.98	257.40	26.42	257.96
SSP MW-5S	20.00	263.77	20.48	263.29	20.95	262.82
SSP MW-6S	7.64	263.39	8.05	262.98	8.59	262.44
SSP/AP - Deep Groundwater Monitoring						
AP MW-1D	16.10	255.94	16.72	255.32	16.97	255.07
AP MW-3D	13.11	260.56	13.76	259.91	14.17	259.50
AP MW-4	14.80	259.36	15.33	258.83	15.47	258.69
AP MW-5D	15.62	258.14	16.14	257.62	16.50	257.26
AP MW-6	17.96	259.82	18.40	259.38	18.70	259.08
AP MW-7D	24.73	254.69	24.45	254.97	25.88	253.54
AP PZ-2	18.89	256.02	19.80	255.11	20.51	254.40
AP PZ-3	5.80	253.31	6.31	252.80	6.72	252.39
AP PZ-4	13.88	259.77	13.65	260.00	12.83	260.82
SSP MW-2D	23.36	259.64	23.73	259.27	24.23	258.77
SSP MW-3D	27.64	256.49	29.32	254.81	29.60	254.53
SSP MW-4	24.96	258.90	25.25	258.61	25.55	258.31
SSP MW-5D	23.78	260.18	23.98	259.98	24.01	259.95
SSP MW-6D	8.15	262.93	8.15	262.93	8.00	263.08

Notes:
AMSL - Above Mean Sea Level
AP - Ash Ponds
BGS - Below Ground Surface
BTOC - Below Top of Casing
NM - Not Measured
SFL - Site F Landfill
SSP - Scrubber Sludge Pond
Well Designations:
CG - Cross-gradient; DG - Down-gradient; UG - Up-gradient; WLO - Water Level Gauging Only

Comments:
1. Well designation is based on the general groundwater flow direction relative to the monitored CCR unit and proposed utilization noted in the recent Groundwater Monitoring System Certification.
2. Total advanced drilling depth is the total depth of the drilled borehole. This depth is based on the information from the boring logs and could be deeper than bottom depth of the installed monitoring well/piezometer.
3. Monitoring wells have missing or insufficient information on boring logs. Bottom of screen elevation is calculated based on subtracting the total well depth from the top of casing elevation. The top of screen elevation is assumed to be approximately five feet higher in elevation based on the assumption that the screen length in each of these wells is 5-feet.

Appendix D

Laboratory Results Summary Tables

SFL CCR Unit – Shallow

			Sample Location:	SFL MW-1S(R) - Contingency (BACKGROUND/UPGRADIENT)							
			Compliance Phase:	Background							
			Sample Dates:	5/21/2025	7/21/202	8/27/2025	10/15/2025	11/19/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	5.48	4.14	4.14	4.46	4.34			
Conductivity	µS/cm	-	-	7,854	8,826	8,613	8,697	7,761			
Turbidity	NTU	-	-	9.86	5.13	5.13	5.53	7.50			
Dissolved Oxygen	mg/L	-	-	0.17	0.21	1.14	0.48	0.12			
Temperature	°C	-	-	22.9	25.1	23.6	22.3	23.2			
Oxidation Reduction Potential	mV	-	-	-166.7	-32.7	-91.0	39.9	-45.9			
Appendix III											
Boron	mg/L	N/A	NE	0.363	0.319	0.313	0.223 J	0.233			
Calcium	mg/L	N/A	NE	890	820	910	840	900			
Chloride	mg/L	N/A	NE	1,870	1,700	2,190	2,440	2,550			
Fluoride	mg/L	4	NE	1.62 J	1.31 J	1.05 J	1.21	0.862			
pH, Field	SU	N/A	NE	5.48	4.14	4.14	4.46	4.34			
Sulfate	mg/L	N/A	NE	1,630	1,450	1,940	1,890	2,120			
Total Dissolved Solids	mg/L	N/A	NE	5,760	6,380	6,930	5,570	6,260			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	0.000800 J	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00847	0.0143	0.0150	0.00796	0.00971			
Barium	mg/L	2	NE	0.0324	0.0214	0.0322	0.0294	0.0227			
Beryllium	mg/L	0.004	NE	0.0472	0.0547	0.0647	0.0441	0.0506			
Cadmium	mg/L	0.005	NE	0.0355	0.0229	0.0203	0.0372	0.0426			
Chromium	mg/L	0.1	NE	0.00105 J	0.00175 J	0.00257 J	0.00128 J	0.000919 J			
Cobalt	mg/L	0.006	NE	0.253	0.290	0.293	0.255	0.235			
Lead	mg/L	0.015	NE	0.00238	0.00414 J	0.00530	0.00325	0.00431			
Lithium	mg/L	0.04	NE	0.369	3.30	0.103	0.307	0.293			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	<0.000255	<0.000255	<0.000255	<0.000255	<0.000255			
Radium-226/228	pCi/L	5.0	NE	1.83	1.50	0.569	2.95	2.00			
Selenium	mg/L	0.05	NE	0.0975	0.000840	0.000926 J	0.00157 J	0.00210			
Thallium	mg/L	0.002	NE	0.00619	0.00740 J	0.00795	0.00507	0.00500			

Notes:

BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				SFL MW-2																						
Sample Location:																										
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring												
Sample Dates:				6/23/2016	8/25/2016	10/19/2016	12/22/2016	2/22/2017	5/3/2017	6/14/2017	8/23/2017	3/20/2018	6/12/2018	1/16/2019	6/26/2019	12/17/2019	6/16/2020	2/9/2021	7/13/2021	7/19/2022	12/12/2022	6/26/2023	11/15/2023	8/29/2024	12/11/2024	5/20/2025	11/13/2025
Constituent	Unit	MCL/HBL	Site BTV																							
Field Parameters																										
pH	SU	-	-	-	-	-	-	-	-	-	-	6.3	5.96	6.69	6.5	6.64	5.58	6.55	5.74	5.60	6.42	5.50	6.14	5.83	6.49	6.01	6.43
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	9,410	1,130	9,940	9,890	1,000	1,080	7,329	11,333	11,362	8,811	11,427	9,186	10,535	8,007	10,068	8,018
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	1.8	2.9	1.8	0	54.4	25.7	5.54	9.98	18.43	4.06	9.73	3.11	84.09	5.71	2.40	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0	3.14	2.59	2.24	0.62	0.23	0.19	0.33	0.55	0.45	0.42	0.27	0.87	0.39	0.22	0.13
Temperature	°C	-	-	-	-	-	-	-	-	-	-	23.12	27.29	19.75	29.7	21.5	30.05	19.8	23.9	24.7	22.6	24.7	23.9	24.0	23.2	22.5	23.9
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	229	197	210	206	158	235	224.0	266.7	313.5	54.7	227.3	135.6	94.5	210.1	119.0	188.0
Appendix III																										
Boron	mg/L	N/A	0.62	0.52	0.60	0.57	0.54	0.55	0.55	0.51	0.57	-	ND	ND	0.515	-	0.489	0.464	0.552	0.945	0.677	0.479	0.965	0.555	0.759	0.672	0.650
Calcium	mg/L	N/A	1,510	797	890	944	692	578	806	829	833	-	805	585	937.0	-	944	691	946	945	711	1,020	892	935	548	890	735
Chloride	mg/L	N/A	4,070	2,900	2,810	2,790	2,590	2,480	2,760	2,910	2,910	-	2,650	2,450	3,140	-	3,250	2,100	3,290	3,220	2,330	3,300	2,420	3,490	2,380	2,620	2,770
Fluoride	mg/L	4	1.16	0.3	0.1	0.2	0.3	0.4	0.3	0.3	0.3	ND	ND	3.06	ND	ND	ND	0.190J	0.433J	0.268	0.207	0.25	0.196	<1.00	<1.00	<1.00	<1.00
pH, Field	SU	N/A	3.5-4.46	6.32	5.61	6.40	6.60	6.80	6.19	6.05	6.09	6.25	5.96	6.69	6.54	6.6	5.6	6.6	5.74	5.60	6.42	5.50	6.14	5.83	6.49	6.01	6.43
Sulfate	mg/L	N/A	2,890	2,010	1,900	1,980	1,770	1,740	1,810	1,890	1,890	-	1,720	1,480	1,720	-	1,760	1,290	1,890	2,000	1,400	2,050	1,570	1,860	1,490	1,700	1,600
Total Dissolved Solids	mg/L	N/A	14,400	7,950	7,680	6,480	6,830	6,630	6,720	6,940	7,120	-	8,340	6,090	7,630	-	6,970	5,730	6,760	8,070	5,820	7,990	6,290	9,530	6,070	5,870	5,430
Appendix IV																										
Antimony	mg/L	0.006	0.00108	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	0.000968J	<0.000967	<0.000967	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.0431	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.0015	0.0016	0.00227	0.00147	0.00161	0.0017	0.00182	0.00213	<0.00345	<0.00690	0.000999 J	0.00123 J
Barium	mg/L	2	0.0826	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	ND	-	-	-	0.0235	0.0262	0.0235	0.0265	0.0222	0.0208	0.0281	0.0211	0.0292	0.0244J	0.0211	0.0187
Beryllium	mg/L	0.004	0.0933	0.002	0.002	0.002	0.001	<0.001	0.002	0.002	0.003	ND	0.00475	ND	0.00444	0.00247	0.00722	0.00132	0.00626	0.00961	0.00105	0.00737	0.00179	0.00546J	<0.00271	0.00276	0.00144 J
Cadmium	mg/L	0.005	0.0144	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	ND	0.00	0.00185	0.00277	0.000761J	0.00285	0.00303	0.000649J	0.0032	0.00122	0.00208J	<0.00240	0.00152 J	0.000801 J
Chromium	mg/L	0.1	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00280	<0.00560	<0.000560	0.000595 J
Cobalt	mg/L	0.006	0.136	0.02	0.02	0.02	0.06	<0.02	<0.02	<0.02	0.02	0.0112	0.0178	0.0103	0.0187	0.0136	0.0214	0.011	0.0159	0.0211	0.0104	0.0186	0.0219	0.0316	0.0148J	0.0111	0.0166
Lead	mg/L	0.015	0.0171	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	ND	ND	ND	ND	0.00132	0.000272J	0.00104	0.000199J	0.000782J	0.00118	0.00184J	<0.00367	<0.000367	0.000583 J
Lithium	mg/L	0.04	1.34	0.51	0.53	0.58	0.6	0.49	0.53	0.59	0.33	0.476	0.378	0.408	0.4	0.449	0.487	0.476	0.475	0.421	0.487	0.445	0.492	0.231	<0.0174	0.571	0.369
Mercury	mg/L	0.002	0.00158	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	0.0000860J	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	0.00202J	<0.000610	<0.000610	0.00155J	<0.000610	0.00076J	<0.00128	<0.00255	0.000409 J	0.00116 J
Radium-226/228	pCi/L	5.0	32.6	11	20.6	12.9	6.6	7.1	7.20	8.4	9	7.46	8.33	6.91	7.57	6.53	8.27	8.220	8.1	11.0	6.76	8.49	7.92	8.01	7.99	8.72	9.44
Selenium	mg/L	0.05	0.0525	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	0.00450J	<0.00590	0.00256	<0.000590
Thallium	mg/L	0.002	0.00552	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	ND	ND	0.00103	ND	ND	0.000612J	0.000865J	0.00076J	0.000634J	0.000881J	0.000658J	<0.000925	<0.00415	0.000533 J	0.000510 J

Notes:
BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				Sample Location:	SFL MW-3																						
				Compliance Phase:	Background								Initial A.M.		Assessment Monitoring												
				Sample Dates:	6/23/2016	8/25/2016	10/19/2016	12/22/2016	2/23/2017	5/2/2017	6/14/2017	8/22/2017	3/20/2018	6/12/2018	1/16/2019	6/26/2019	12/17/2019	6/16/2020	2/10/2021	7/13/2021	9/12/2022	12/12/2022	6/26/2023	11/15/2023	8/29/2024	12/11/2024	5/20/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																								
Field Parameters																											
pH	SU	-	-	-	-	-	-	-	-	-	-	-	3.8	3.82	3.9	3.8	3.89	3.45	3.79	3.70	3.73	3.51	3.52	3.73	3.77	3.81	3.80	3.85
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	-	6,980	6,690	7,500	6,420	6,750	6,160	5,292	6,323	2,735	5,858	5,915	5,821	5,877	5,413	5,980	5,902
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	-	40.6	25.8	9.5	1	0.3	0	1.01	4.04	21.02	3.02	8.78	3.96	284.61	3.77	4.45	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	-	0	0.48	0.97	0.52	0.54	0.06	0.00	0.00	0.55	0.22	0.10	0.24	0.80	0.25	0.17	0.12
Temperature	°C	-	-	-	-	-	-	-	-	-	-	-	22.49	26.89	19.49	24.47	21.12	27.01	18.7	24.2	23.6	22.2	24.0	22.8	24.3	22.5	23.6	23.7
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	-	410	407	345	392	3.57	432	335.4	402.0	343.8	303.6	429.0	353.9	158.4	211.4	417.3	338.9
Appendix III																												
Boron	mg/L	N/A	0.62	2.40	2.50	2.87	2.81	2.54	2.49	2.93	2.64	-	3.8	3.06	3.850	-	3.67	3.75	3.87	5.00	4.88	4.81	4.82	4.87	4.31	5.31	5.58
Calcium	mg/L	N/A	1,510	687	666	727	735	628	590	672	587	-	567	520	661.0	-	600	599	594	615	617	578	561	614	436	474	541
Chloride	mg/L	N/A	4,070	1,560	1,490	1,480	1,480	1,440	1,390	1,440	1,390	-	1,040	1,140	1,090	-	1,090	897	946	829	794	809	747	847	759	726	846
Fluoride	mg/L	4	1.16	0.8	0.7	0.5	0.6	0.6	0.6	0.6	0.6	ND	ND	1.49	ND	0.577	0.526	0.479J	0.427J	0.640	0.576	0.613	0.375	0.241J	<0.500	<1.00	0.558
pH, Field	SU	N/A	3.5-4.46	3.76	3.50	3.80	3.80	3.80	3.67	3.64	3.67	3.83	3.82	3.9	3.82	3.9	3.5	3.8	3.70	3.73	3.51	3.52	3.73	3.77	3.81	3.80	3.85
Sulfate	mg/L	N/A	2,890	2,220	2,210	2,170	2,240	2,280	2,290	2,380	2,310	-	2,070	2,460	2,100	-	2,350	2,280	2,330	2,430	2,260	2,450	2,480	2,540	2,430	2,520	2,550
Total Dissolved Solids	mg/L	N/A	14,400	5,940	5,660	5,010	5,640	5,440	5,130	4,710	5,260	-	5,540	5,240	4,480	-	5,180	5,040	4,990	4,920	4,760	4,900	4,880	5,070	6,070	4,960	4,210
Appendix IV																												
Antimony	mg/L	0.006	0.00108	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	<0.000506	<0.000967	<0.000967	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.0431	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.0056	0.0032	0.00317	0.00303	0.00610	0.00367	0.00318	0.00297	<0.00345	<0.00690	0.00286 J	0.00326 J
Barium	mg/L	2	0.0826	0.04	0.06	0.05	0.03	0.02	0.03	0.03	0.07	ND	-	-	-	0.0136	0.0131	0.013	0.0133	0.0140	0.0147	0.0131	0.0239	0.0138J	0.0148J	0.0115	0.0104
Beryllium	mg/L	0.004	0.0933	0.042	0.04	0.034	0.037	0.04	0.034	0.037	0.038	0.0386	0.0308	0.0289	0.0334	0.0357	0.0335	0.0316	0.0315	0.0319	0.0336	0.0288	0.0309	0.0322	0.0354	0.0293	0.0295
Cadmium	mg/L	0.005	0.0144	0.009	0.01	0.008	0.008	0.008	0.008	0.007	0.008	0.00648	0.00641	0.0072	0.01	0.0069	0.0062	0.00587	0.00608	0.00569	0.00552	0.00523	0.00507	0.00464J	0.00573J	0.00436	0.00448
Chromium	mg/L	0.1	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.0024	ND	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00280	<0.00560	<0.000560	<0.000560
Cobalt	mg/L	0.006	0.136	0.07	0.07	0.07	0.1	0.07	0.07	0.07	0.07	0.0558	0.0598	0.0614	0.0622	0.0556	0.0598	0.0601	0.0606	0.0530	0.0537	0.0585	0.0518	0.0520	0.0621	0.0451	0.0477
Lead	mg/L	0.015	0.0171	0.02	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.0191	0.0183	0.0183	0.0178	0.0192	0.0206	0.0185	0.29	0.0177	0.0186	0.0173	0.0131	0.0168	0.0196J	0.0155	0.0172
Lithium	mg/L	0.04	1.34	0.4	0.41	0.44	0.47	0.35	0.29	0.4	0.25	0.322	0.263	ND	0.3	0.325	0.296	0.291	0.00144	0.283	0.31	0.245	0.29	0.0983	<0.0174	0.339	0.304
Mercury	mg/L	0.002	0.00158	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.002	0.00182	0.00162	0.00176	0.00338	2.73	0.00191	0.00204	<0.000610	0.00129	0.00192	0.000635	0.000904	0.000228	0.000277	0.000143 J	<0.0000706
Molybdenum	mg/L	0.1	0.00061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	<0.000610	<0.00151	<0.000610	<0.000610	<0.000610	<0.000610	<0.00128	<0.00255	<0.000255	<0.000255
Radium-226/228	pCi/L	5.0	32.6	8.19	16.6	10	5.8	7.6	6.900	5	6.1	4.4	4.48	4.62	5.43	3.74	3.65	4.22	4.97	5.74	3.04	3.96	3.74	4.10	3.92	5.26	5.97
Selenium	mg/L	0.05	0.0525	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.0	ND	<0.00151	0.427J	0.0410	0.00117J	0.00107J	0.00118J	0.0167	0.0251	0.0285	0.00101 J
Thallium	mg/L	0.002	0.00552	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.00549	0.00552	0.00605	0.0045	0.00634	0.00566	0.00556	0.00538	0.00581	0.00568	0.00541	0.00407	0.00511J	0.00596J	0.00482	0.00549

Notes:
BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	SFL MW-4S							
			Compliance Phase:	Background							
			Sample Dates:	5/21/2025	7/21/2025	8/28/2025	10/15/2025	11/19/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	5.23	4.48	4.25	4.30	4.20			
Conductivity	µS/cm	-	-	11,794	13,122	12,985	12,940	11,180			
Turbidity	NTU	-	-	5.93	8.00	1.11	2.56	0.02			
Dissolved Oxygen	mg/L	-	-	0.97	0.26	0.78	0.28	0.27			
Temperature	°C	-	-	24.9	27.7	24.7	27.5	23.9			
Oxidation Reduction Potential	mV	-	-	532.4	-40.8	-85.0	312.9	354.5			
Appendix III											
Boron	mg/L	N/A	NE	3.41	1.76	1.85	1.83	2.54			
Calcium	mg/L	N/A	NE	925	975	1,170	1,070	955			
Chloride	mg/L	N/A	NE	3,160	4,010	3,790	4,260	4,180			
Fluoride	mg/L	4	NE	1.88 J	<0.500	<1.00	<1.00	0.519			
pH, Field	SU	N/A	NE	5.23	4.48	4.25	4.30	4.20			
Sulfate	mg/L	N/A	NE	2,030	2,080	2,150	2,410	2,460			
Total Dissolved Solids	mg/L	N/A	NE	8,610	6,280	7,960	6,510	7,540			
Appendix IV											
Antimony	mg/L	0.006	NE	0.00134 J	<0.000750	<0.00375	<0.000750	0.00100 J			
Arsenic	mg/L	0.01	NE	0.00451	0.00495	0.00543	0.00455	0.00539			
Barium	mg/L	2	NE	0.0686	0.0483	0.0588	0.0428	0.0382			
Beryllium	mg/L	0.004	NE	0.0381	0.0494	0.0554	0.0557	0.0499			
Cadmium	mg/L	0.005	NE	0.0270	0.0365	0.0391	0.0316	0.0226			
Chromium	mg/L	0.1	NE	0.00959	0.00582	0.00565	0.00551	0.00184 J			
Cobalt	mg/L	0.006	NE	0.117	0.109	0.126	0.109	0.101			
Lead	mg/L	0.015	NE	0.00224	<0.00184	0.00188 J	0.00344	0.00497			
Lithium	mg/L	0.04	NE	0.791	3.61	0.317	0.819	0.957			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.000718 J	<0.000255	<0.000255	<0.000255	<0.000255			
Radium-226/228	pCi/L	5.0	NE	7.99	8.75	9.05	8.60	7.66			
Selenium	mg/L	0.05	NE	0.0557	<0.000590	<0.000590	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	0.00438	0.00450 J	0.00519 J	0.00520	0.00471			

Notes:

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J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				Sample Location:	SFL MW-5																					
				Compliance Phase:	Background									Initial A.M.		Assessment Monitoring										
				Sample Dates:	6/23/2016	8/25/2016	10/19/2016	12/21/2016	2/23/2017	5/3/2017	6/14/2017	8/23/2017	3/20/2018	6/8/2018	1/16/2019	6/26/2019	12/17/2019	6/16/2020	2/9/2021	7/13/2021	7/20/2022	12/12/2022	6/26/2023	11/15/2023	8/29/2024	12/11/2024	5/20/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																							
Field Parameters																										
pH	SU	-	-	-	-	-	-	-	-	-	-	4.7	4.43	4.64	4.4	4.91	4.27	4.64	4.24	4.30	4.45	3.98	4.45	4.18	4.51	4.27	4.48
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	1,140	1,160	1,150	1,070	1,170	1,110	8,840	10,864	10,698	10,393	10,650	10,279	10,699	4,730	1,087	10,415
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	0.5	7.3	0	0	8.6	4.5	11.01	4.88	3.00	3.28	29.14	3.40	86.22	2.80	3.22	0.65
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0	0.69	3.03	2.97	0.74	0.41	0.19	0.00	0.70	0.31	0.14	0.36	1.05	0.64	0.51	0.27
Temperature	°C	-	-	-	-	-	-	-	-	-	-	21.98	27.13	18.52	24.09	21.37	25.3	21.4	23.3	23.7	22.5	23.4	21.6	23.7	23.3	22.9	24.6
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	367	388	359	363	308	356	353.9	400.4	408.9	138.8	360.1	369.1	142.4	210.8	54.2	340.4
Appendix III																										
Boron	mg/L	N/A	0.62	3.5	3.6	3.74	3.93	2.98	3.97	4.18	4.12	-	4.42	4.08	6.04	-	5.35	4.34	5.1	2.8	4.42	5.56	4.53	6.65	4.54	6.59	5.63
Calcium	mg/L	N/A	1,510	878	906	903	944	755	883	899	864	-	873	715	857	-	812	837	816	829	812	338	931	905	639	602	850
Chloride	mg/L	N/A	4,070	2,990	2,950	3,070	3,160	3,020	3,040	3,160	3,190	-	3,010	2,880	3,180	-	3,000	2,340	2,930	2,890	2,680	2,800	2,650	3,020	2,660	2,480	2,950
Fluoride	mg/L	4	1.16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	ND	ND	5.89	ND	ND	ND	<0.260	0.342J	0.122	0.126	0.17	0.0841J	<0.500	<1.00	<1.00	<0.100
pH, Field	SU	N/A	3.5-4.46	5.05	4.34	4.7	4.48	5.1	4.49	4.44	4.58	4.67	4.43	4.64	4.4	4.91	4.27	4.64	4.24	4.30	4.45	3.98	4.45	4.18	4.51	4.27	4.48
Sulfate	mg/L	N/A	2,890	2,150	2,090	2,100	2,170	2,120	2,150	2,220	2,240	-	2,290	2,070	2,100	-	2,190	1,720	2,330	2,250	2,010	2,380	2,180	2,390	2,230	2,350	2,480
Total Dissolved Solids	mg/L	N/A	14,400	8,350	7,960	7,530	7,910	7,530	7,380	7,600	7,520	-	7,470	7,300	6,890	-	7,250	7,820	8,110	7,930	7,540	7,820	7,540	9,280	6,410	6,740	8,570
Appendix IV																										
Antimony	mg/L	0.006	0.00108	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	0.00118J	<0.000967	<0.000967	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.0431	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.00234	0.00145	0.0033	0.00151	0.00157	0.0021	0.00176	0.00231	<0.00345	<0.00690	0.00166 J	0.00166 J
Barium	mg/L	2	0.0826	0.04	0.08	0.06	0.03	0.02	0.03	0.02	0.02	ND	-	-	-	0.0209	0.0192	0.0212	0.0179	0.0157	0.0199	0.0175	0.0172	0.0191J	0.0219J	0.0153	0.0156
Beryllium	mg/L	0.004	0.0933	0.008	0.011	0.01	0.01	0.01	0.012	0.011	0.01	ND	0.0105	0.00885	0.0123	0.0101	0.0113	0.00918	0.0104	0.0103	0.00942	0.0111	0.00893J	0.0128	0.0126J	0.0114	0.00908
Cadmium	mg/L	0.005	0.0144	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	0.005	0.006	ND	0.00538	0.00531	0.00511	0.00509	0.00564	0.00385	0.0047	0.00426	0.00388	0.00482	0.0042	0.00460J	0.00480J	0.00402	0.00353
Chromium	mg/L	0.1	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	0.00241	0.00441	0.0044	0.00327	0.00181J	<0.00153	<0.00153	<0.00280	<0.00560	0.00691	0.00290 J
Cobalt	mg/L	0.006	0.136	0.07	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.0398	0.0486	0.0492	0.0559	0.0453	0.0512	0.045	0.0515	0.0493	0.0458	0.054	0.0455	0.0525	0.0553	0.0444	0.0408
Lead	mg/L	0.015	0.0171	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	ND	0.00459	0.00102	ND	0.000725J	0.000721J	0.000527J	0.000606J	0.000716J	0.000434J	<0.00184	<0.00367	0.000602 J	0.000578 J
Lithium	mg/L	0.04	1.34	0.66	0.79	0.9	0.99	0.72	0.79	0.92	0.62	0.685	0.629	0.643	0.643	0.67	0.704	0.677	0.645	0.594	0.696	0.624	0.751	0.533	0.129	0.729	0.588
Mercury	mg/L	0.002	0.00158	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	0.000114J	0.0000790J	0.000233	0.000101 J
Molybdenum	mg/L	0.1	0.00061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	0.00180J	<0.000610	<0.000610	0.00103J	<0.000610	<0.000610	<0.00128	<0.00255	0.000309 J	0.000293 J
Radium-226/228	pCi/L	5.0	32.6	7.52	25.6	11.5	8.7	11.9	9.9	11.6	12.3	12.1	9.65	11.3	11.2	12.1	11.5	13.5	13.6	12.3	9.46	14.3	14	13.4	11.6	15.7	15.9
Selenium	mg/L	0.05	0.0525	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.00989	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	0.0126	0.0177J	0.0220	<0.000590
Thallium	mg/L	0.002	0.00552	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	ND	ND	0.00115	0.00136	0.00118	0.0012	0.00133	0.00115	0.00125	0.00128	0.000992J	0.00129J	<0.00415	0.00121 J	0.00119 J

Notes:
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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				Sample Location:	SFL MW-6 (BACKGROUND/UPGRADIENT)																						
				Compliance Phase:	Background								Initial A.M.		Assessment Monitoring												
				Sample Dates:	6/23/2016	8/25/2016	10/19/2016	12/21/2016	2/22/2017	5/3/2017	6/13/2017	8/23/2017	3/20/2018	6/8/2018	1/15/2019	6/27/2019	12/17/2019	6/16/2020	2/9/2021	7/13/2021	7/19/2022	12/12/2022	6/26/2023	11/15/2023	8/29/2024	12/11/2024	5/20/2025	11/13/2025
Constituent	Unit	MCL/HBL	Site BTV																								
Field Parameters																											
pH	SU	-	-	-	-	-	-	-	-	-	-	-	3.9	3.95	4.07	3.9	4.16	3.9	3.82	3.76	3.70	3.89	3.82	4.11	4.02	3.75	3.81	3.43
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	-	1,310	1,330	1,280	1,350	1,330	1,230	10,492	12,607	16,932	19,536	13,673	21,021	15,276	18,492	13,984	23,339
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	-	0	0.9	0	8.9	2.2	28.1	41.50	4.54	17.55	3.49	6.52	2.78	48.36	6.30	23.9	43.7
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	-	0	0.84	0	3.14	1.57	0.79	0.25	0.30	0.41	0.29	0.13	0.37	0.97	0.27	0.51	0.76
Temperature	°C	-	-	-	-	-	-	-	-	-	-	-	21.05	26.54	19.96	26	18.99	28.65	20.6	25.5	26.6	23.6	24.7	22.1	23.9	23.4	22.9	25.4
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	-	463	478	443	488	418	471	435.5	454.5	410.4	16.6	114.8	-0.5	140.3	214.5	54.2	200.4
Appendix III																											
Boron	mg/L	N/A	0.62	0.5	0.39	0.41	0.4	0.24	0.3	0.16	0.35	-	ND	ND	0.29	-	0.384	0.329	0.38	0.32	0.554	0.258	0.428	0.406	0.690	0.315	0.389	
Calcium	mg/L	N/A	1,510	910	929	983	977	852	955	892	864	-	915	824	800	-	950	953	937	1,400	1,510	363	1,470	1,250	1,030	875	1,070	
Chloride	mg/L	N/A	4,070	3,350	3,470	3,500	3,580	3,570	3,560	3,640	3,730	-	3,670	3,490	3,240	-	3,760	3,310	3,340	4,810	6,800	3,960	7,020	6,170	7,750	4,550	9,720	
Fluoride	mg/L	4	1.16	0.7	0.8	0.8	0.8	0.9	0.8	0.7	0.7	ND	ND	8.72	ND	ND	ND	0.531J	0.527J	1.08	1.04	1.03	1.4	<1.00	<1.00	<1.00	<10.0	
pH, Field	SU	N/A	3.5-4.46	4.4	3.84	4.15	3.92	4.21	3.99	3.99	3.98	3.94	3.95	4.07	3.91	4.16	3.9	3.82	3.76	3.70	3.89	3.82	4.11	4.02	3.75	3.81	3.43	
Sulfate	mg/L	N/A	2,890	2,230	2,240	2,170	2,120	2,260	2,260	2,330	2,470	-	2,520	2,500	1,870	-	2,350	2,070	2,190	2,830	2,200	2,530	2,260	2,420	2,570	2,420	2,610	
Total Dissolved Solids	mg/L	N/A	14,400	8,650	8,850	8,170	8,640	8,790	8,020	9,200	8,260	-	6,330	8,850	7,040	-	11,000	8,350	7,420	12,000	14,300	10,000	11,200	13,100	15,000	11,000	14,700	
Appendix IV																											
Antimony	mg/L	0.006	0.00108	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	0.00108J	<0.000967	<0.000967	<0.00375	<0.00750	<0.000750	<0.000750	
Arsenic	mg/L	0.01	0.0431	0.02	0.01	<0.01	<0.01	0.01	0.02	<0.01	0.01	ND	-	-	-	0.02	0.01	0.0135	0.0125	0.0214	0.0351	0.045	0.0433	0.0202	0.0301J	0.0135	0.0171	
Barium	mg/L	2	0.0826	0.30	0.08	0.06	0.05	0.04	0.03	0.04	0.04	ND	-	-	-	0.0247	0.0309	0.0537	0.0376	0.039	0.0487	0.0356	0.051J	0.0730	0.0690	0.0395	0.0288	
Beryllium	mg/L	0.004	0.0933	0.028	0.049	0.051	0.047	0.056	0.054	0.047	0.056	0.0599	0.0449	0.0418	0.0496	0.052	0.0503	0.0489	0.0463	0.0646	0.0933	0.0534	0.0964	0.0728	0.116	0.0656	0.0716	
Cadmium	mg/L	0.005	0.0144	0.007	0.01	0.011	0.011	0.013	0.01	0.011	0.012	0.00875	0.00942	0.00955	0.01	0.0118	0.0104	0.0105	0.0104	0.0124	0.00497	0.00321	0.00213	0.00697J	0.00697J	0.00795	0.00422	
Chromium	mg/L	0.1	0.011	0.01	<0.01	0.01	0.011	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.00797	ND	0.00757	0.00551	0.00895	0.00593	0.00313	0.0154J	0.00620J	0.0509	0.00467	0.00331 J	
Cobalt	mg/L	0.006	0.136	0.11	0.12	0.12	0.12	0.13	0.11	0.11	0.12	0.104	0.1	0.112	0.105	0.104	0.109	0.116	0.111	0.173	0.242	0.129	0.234	0.150	0.225	0.0985	0.119	
Lead	mg/L	0.015	0.0171	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0054	ND	0.00549	0.0	0.0171	0.0115	0.015	0.0109	0.0135	0.0109	0.00519	0.00264	0.0141	0.0173J	0.00992	0.0126	
Lithium	mg/L	0.04	1.34	0.55	0.8	0.88	0.93	0.74	0.72	0.69	0.56	0.739	0.597	0.619	0.663	0.64	0.709	0.614	0.64	0.868	1.34	0.644	1.43	0.490	0.271	0.762	1.04	
Mercury	mg/L	0.002	0.00158	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	0.00158	<0.000130	0.000222	0.000109J	0.0000890 J	0.000102 J	
Molybdenum	mg/L	0.1	0.00061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.00128	<0.00255	<0.000255	<0.000255	
Radium-226/228	pCi/L	5.0	32.6	11.6	28.8	10.8	14.3	6.8	8.6	9	3.9	9.22	9.02	10.1	11.8	28.3	17.8	14.6	13.7	16.0	14.5	13.4	23.1	16.0	20.6	18.3	21.6	
Selenium	mg/L	0.05	0.0525	<0.01	0.01	0.02	<0.01	0.01	0.01	<0.01	<0.01	ND	-	-	-	0.0525	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	0.0885	0.171	0.120	0.0836	
Thallium	mg/L	0.002	0.00552	0.004	0.002	0.004	0.003	0.004	0.003	0.004	0.003	0.00322	0.00305	0.00315	0.00264	0.0041	0.00333	0.00339	0.00329	0.00495	0.00489	0.00475	0.00437	0.00415J	0.00616J	0.00375	0.00504 J	

Notes:
BTV - Background Threshold Value
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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	SFL MW-7S							
			Compliance Phase:	Background							
			Sample Dates:	5/21/2025	7/22/2025	8/27/2025	10/15/2025	11/19/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.37	5.64	5.60	5.76	5.68			
Conductivity	µS/cm	-	-	14,934	15,399	14,351	14,482	13,578			
Turbidity	NTU	-	-	6.41	1.15	1.37	4.43	0.51			
Dissolved Oxygen	mg/L	-	-	0.26	0.49	0.38	0.20	0.15			
Temperature	°C	-	-	23.8	24.9	26.4	25.5	24.6			
Oxidation Reduction Potential	mV	-	-	-141.8	26.6	-102.3	41.6	9.7			
Appendix III											
Boron	mg/L	N/A	NE	0.854	0.681	0.788	0.740	0.761			
Calcium	mg/L	N/A	NE	1,090	1,040	1,060	1,010	1,080			
Chloride	mg/L	N/A	NE	4,150	429	4,130	4,800	4,160			
Fluoride	mg/L	4	NE	<1.00	<0.100	<1.00	<1.00	<1.00			
pH, Field	SU	N/A	NE	6.37	5.64	5.60	5.76	5.68			
Sulfate	mg/L	N/A	NE	1,390	151	1,520	1,680	1,540			
Total Dissolved Solids	mg/L	N/A	NE	10,400	7,490	10,200	6,680	9,340			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.00375	<0.00375	<0.000750			
Arsenic	mg/L	0.01	NE	0.00325 J	0.00239 J	0.00185 J	<0.00345	0.00245 J			
Barium	mg/L	2	NE	0.0450	0.0312	0.0383	0.0355	0.0322			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.000271	<0.00136	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.00120	<0.000240			
Chromium	mg/L	0.1	NE	<0.000560	0.000929 J	<0.000560	<0.00280	<0.000560			
Cobalt	mg/L	0.006	NE	0.00223	0.00149 J	0.00116 J	<0.00178	0.00155 J			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.00184	<0.00184	<0.000367			
Lithium	mg/L	0.04	NE	0.624	3.36	0.280	0.615	0.624			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.000531 J	0.000433 J	0.000358 J	<0.00128	0.000392 J			
Radium-226/228	pCi/L	5.0	NE	10.4	8.93	7.13	9.57	9.65			
Selenium	mg/L	0.05	NE	<0.000590	<0.000590	<0.000590	<0.00295	<0.000590			
Thallium	mg/L	0.002	NE	0.000628 J	0.000862 J	<0.00208	<0.00208	0.000754 J			

Notes:

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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	SFL MW-8S							
			Compliance Phase:	Background							
			Sample Dates:	5/21/2025	7/22/2025	8/27/2025	10/15/2025	11/19/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	4.52	4.01	3.89	3.87	3.72			
Conductivity	µS/cm	-	-	5,819	5,967	6,065	6,167	5,021			
Turbidity	NTU	-	-	7.90	5.01	1.45	0.51	0.02			
Dissolved Oxygen	mg/L	-	-	0.08	0.19	0.32	0.39	0.56			
Temperature	°C	-	-	22.9	26.9	26.7	26.0	25.2			
Oxidation Reduction Potential	mV	-	-	264.3	-58.5	-40.2	71.7	299.4			
Appendix III											
Boron	mg/L	N/A	NE	22.6	21.5	21.5	18.9	18.8			
Calcium	mg/L	N/A	NE	520	453	520	510	499			
Chloride	mg/L	N/A	NE	1,110	1,150	246	1,330	1,320			
Fluoride	mg/L	4	NE	1.49 J	0.897 J	0.688	0.667	0.760			
pH, Field	SU	N/A	NE	4.52	4.01	3.89	3.87	3.72			
Sulfate	mg/L	N/A	NE	1,610	1,630	552	1,880	1,190			
Total Dissolved Solids	mg/L	N/A	NE	5,620	4,680	4,710	4,760	4,240			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	0.00316	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00742	0.00971	0.00973	0.0106	0.0100			
Barium	mg/L	2	NE	0.0322	0.0236	0.0284	0.0279	0.0227			
Beryllium	mg/L	0.004	NE	0.0393	0.0433	0.0395	0.0426	0.0387			
Cadmium	mg/L	0.005	NE	0.00671	0.00409	0.00408	0.00485	0.00545			
Chromium	mg/L	0.1	NE	0.000731 J	0.000774 J	0.000856 J	0.000770 J	0.000819 J			
Cobalt	mg/L	0.006	NE	0.109	0.112	0.114	0.120	0.109			
Lead	mg/L	0.015	NE	0.0140	0.0183	0.0164	0.0214	0.0233			
Lithium	mg/L	0.04	NE	0.442	0.254	0.241	0.354	0.367			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	<0.000255	<0.000255	0.000493 J	<0.000255	<0.000255			
Radium-226/228	pCi/L	5.0	NE	3.97	4.20	4.93	5.54	4.37			
Selenium	mg/L	0.05	NE	0.0688	0.000665 J	0.000745 J	<0.000590	0.0376			
Thallium	mg/L	0.002	NE	0.00267	0.00283	0.00295	0.00328	0.00322			

Notes:

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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				Sample Location:	MNW-15																					
				Compliance Phase:	Background								Initial A.M.		Assessment Monitoring											
				Sample Dates:	5/2/2017	5/31/2017	6/14/2017	6/28/2017	7/20/2017	8/22/2017	8/31/2017	9/7/2017	3/20/2018	6/12/2018	1/16/2019	6/26/2019	12/17/2019	6/16/2020	2/9/2021	7/13/2021	9/12/2022	12/12/2022	6/26/2023	11/15/2023	8/29/2024	12/11/2024	5/20/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																							
Field Parameters																										
pH	SU	-	-	-	-	-	-	-	-	-	-	-	3.6	3.65	3.7	3.4	3.78	3.21	3.63	3.57	3.59	3.34	3.34	3.53	3.55	3.54	3.59	3.49
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	-	4,040	3,970	4,190	3,920	4,240	3,880	3,403	4,097	4,137	4,096	4,154	4,043	4,116	3,840	4,275	4,268
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	-	0	6.4	2.7	0	0	0	7.03	11.89	5.31	2.25	2.73	6.27	312.71	6.10	4.70	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	-	0	1.7	0	2.86	0	3.82	0.51	0.00	0.34	0.18	0.05	0.19	0.71	0.22	0.08	0.56
Temperature	°C	-	-	-	-	-	-	-	-	-	-	-	18.99	28.09	20.06	24.49	20.23	24.71	22.0	24.3	26.1	23.2	25.2	25.0	27.0	22.6	23.7	25.2
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	-	315	325	286	314	274	343	329.6	297.2	247.1	300.3	307.1	283.7	171.5	211.9	312.2	299.4
Appendix III																										
Boron	mg/L	N/A	0.62	9.51	8.75	8.62	9.67	9.38	9.22	9.43	9.26	-	11.8	8.56	9.64	-	8.30	9.06	8.44	12.8	9.76	8.34	10.3	10.3	9.78	10.1	10.6
Calcium	mg/L	N/A	1,510	280	269	256	263	275	254	264	260	-	249	244	272	-	327	325	304	337	328	310	311	332	243	266	288
Chloride	mg/L	N/A	4,070	730	704	688	734	704	718	721	740	-	581	667	578	-	654	584	669	652	632	633	609	678	648	632	774
Fluoride	mg/L	4	1.16	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	ND	ND	1.04	0.718	1.03	0.794	0.84	0.617	0.738	0.608	0.657	0.419	0.927J	<0.500	<1.00	0.965
pH, Field	SU	N/A	3.5-4.46	3.7	3.64	3.53	3.48	3.46	3.42	3.32	3.48	3.61	3.65	3.7	3.44	3.78	3.21	3.63	3.57	3.59	3.34	3.34	3.53	3.55	3.54	3.59	3.49
Sulfate	mg/L	N/A	2,890	1,270	1,230	1,190	1,290	1,240	1,250	1,260	1,280	-	1,250	1,310	1,210	-	1,370	1,350	1,480	1,450	1,350	1,410	1,450	1,440	1,500	1,560	1,620
Total Dissolved Solids	mg/L	N/A	14,400	2,540	2,720	2,620	2,580	2,690	2,620	2,700	2,750	-	2,940	3,030	2,690	-	3,170	6,150	4,100	3,540	3,120	3,190	3,180	3,770	4,440	3,280	3,180
Appendix IV																										
Antimony	mg/L	0.006	0.00108	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	<0.000506	<0.000967	<0.000967	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.0431	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.0114	0.00624	0.00774	0.00734	0.0153	0.00977	0.00752	0.00706	0.00665J	0.00911J	0.00761	0.00832
Barium	mg/L	2	0.0826	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.03	ND	-	-	-	0.016	0.0171	0.0175	0.0159	0.0171	0.0179	0.016	0.0174	0.0170J	0.0179J	0.0139	0.0131
Beryllium	mg/L	0.004	0.0933	0.077	0.071	0.072	0.076	0.068	0.074	0.073	0.067	0.0792	0.0619	0.0606	0.0818	0.091	0.088	0.0902	0.0789	0.0884	0.0924	0.0769	0.00464	0.0847	0.0958	0.0806	0.0736
Cadmium	mg/L	0.005	0.0144	0.093	0.106	0.116	0.089	0.091	0.084	0.088	0.089	0.0895	0.0886	0.0945	0.03	0.0313	0.0388	0.0421	0.0393	0.0409	0.0414	0.0349	0.033	0.0267	0.0331	0.0455	0.0426
Chromium	mg/L	0.1	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	0.0579	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	0.0146J	<0.00560	<0.000560	<0.000560
Cobalt	mg/L	0.006	0.136	0.27	0.28	0.26	0.3	0.3	0.29	0.29	0.29	0.253	0.281	0.297	0.359	0.3	0.315	0.356	0.349	0.336	0.313	0.34	0.322	0.308	0.346	0.252	0.245
Lead	mg/L	0.015	0.0171	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	ND	ND	0.00297	ND	ND	0.00225	0.000555J	0.000404J	0.000577J	0.000561J	0.000483J	<0.000376	<0.00184	<0.00367	0.000754 J	0.00105 J
Lithium	mg/L	0.04	1.34	0.09	0.07	0.11	0.08	0.06	0.05	0.05	0.05	ND	0.0701	ND	0.0898	0.108	0.106	0.111	0.102	0.104	0.113	0.0895	0.104	<0.0174	<0.0174	0.145	0.105
Mercury	mg/L	0.002	0.00158	<0.001	<0.001	0.012	<0.001	<0.001	<0.001	<0.001	<0.001	0.000949	0.000396	0.000942	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.00128	<0.00255	<0.000255	<0.000255
Radium-226/228	pCi/L	5.0	32.6	0.7	0.3	1.2	1.5	0.8	0.3	2.1	1.9	0.446	0.39	0.619	0.29	0.414	0.167	0.577	0.525	1.44	0.977	0.408	0.104	0.511	-0.00880	1.70	1.71
Selenium	mg/L	0.05	0.0525	<0.01	0.03	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.0345	ND	<0.00151	<0.00151	0.109	<0.000739	<0.000739	0.000868J	0.0467	0.0647	0.0737	0.000740 J
Thallium	mg/L	0.002	0.00552	<0.002	0.002	0.002	<0.002	<0.002	0.002	<0.002	0.002	0.00232	0.00233	0.00248	ND	ND	ND	0.000739J	0.000901J	0.00101	0.000976J	0.000884J	<0.000472	<0.000925	<0.00415	0.00187 J	0.00241

Notes:
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mg/L - milligrams per liter.
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NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
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SFL CCR Unit – Deep

			Sample Location:	SFL MW-2D							
			Compliance Phase:	Background							
			Sample Dates:	6/4/2025	7/22/2025	8/28/2025	10/15/2025	11/19/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	5.55	5.57	5.64	5.83	5.94			
Conductivity	µS/cm	-	-	6,336	6,828	6,722	6,694	5,977			
Turbidity	NTU	-	-	8.15	9.28	7.14	4.87	8.35			
Dissolved Oxygen	mg/L	-	-	0.86	0.35	0.25	0.28	0.18			
Temperature	°C	-	-	27.1	25.0	27.7	27.0	25.5			
Oxidation Reduction Potential	mV	-	-	91.2	72.5	-89.7	13.4	36.0			
Appendix III											
Boron	mg/L	N/A	NE	2.29	2.71	2.63	2.28	1.93			
Calcium	mg/L	N/A	NE	442	421	479	435	410			
Chloride	mg/L	N/A	NE	1,550	1,450	1,470	1,570	1,190			
Fluoride	mg/L	4	NE	0.538 J	<0.500	<0.500	<0.100	<0.100			
pH, Field	SU	N/A	NE	5.55	5.57	5.64	5.83	5.94			
Sulfate	mg/L	N/A	NE	1,450	1,490	1,550	1,590	1,670			
Total Dissolved Solids	mg/L	N/A	NE	4,660	4,100	5,280	3,880	4,240			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.00375	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00245 J	0.00349 J	0.00479	0.00579	0.00559			
Barium	mg/L	2	NE	0.0244	0.0236	0.0253	0.0250	0.0221			
Beryllium	mg/L	0.004	NE	0.00162 J	0.00118 J	0.000843 J	0.000395 J	0.000293 J			
Cadmium	mg/L	0.005	NE	0.000438 J	<0.000240	<0.000240	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	0.00107 J	<0.000560	<0.000560	<0.000560	0.000624 J			
Cobalt	mg/L	0.006	NE	0.0201	0.0125	0.00927	0.00565	0.00426			
Lead	mg/L	0.015	NE	0.000485 J	<0.000367	<0.00184	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.477	0.355	0.296	0.418	0.456			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	<0.000255	0.000529 J	0.000561 J	0.000767 J	0.000905 J			
Radium-226/228	pCi/L	5.0	NE	4.29	2.87	3.42	3.99	2.24			
Selenium	mg/L	0.05	NE	0.00620	<0.000590	<0.000590	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	0.000424 J	0.000423 J	<0.00208	<0.000415	<0.000415			

Notes:

BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	SFL MW-3D							
			Compliance Phase:	Background							
			Sample Dates:	6/4/2025	7/22/2025	8/27/2025	10/16/2025	11/20/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.63	6.78	6.58	6.54	6.53			
Conductivity	µS/cm	-	-	5,536	6,230	6,165	6,470	5,703			
Turbidity	NTU	-	-	30.6	182	28.7	6.79	13.2			
Dissolved Oxygen	mg/L	-	-	0.21	0.30	0.17	0.54	0.14			
Temperature	°C	-	-	27.3	25.3	27.8	21.7	23.5			
Oxidation Reduction Potential	mV	-	-	-118.1	-81.6	-79.6	30.5	-72.0			
Appendix III											
Boron	mg/L	N/A	NE	1.02	0.655	0.768	0.789	0.758			
Calcium	mg/L	N/A	NE	375	270	328	369	372			
Chloride	mg/L	N/A	NE	1,480	1,500	1,570	1,650	1,960			
Fluoride	mg/L	4	NE	0.500 J	<0.500	<0.500	0.109 J	<0.100			
pH, Field	SU	N/A	NE	6.63	6.78	6.58	6.54	6.53			
Sulfate	mg/L	N/A	NE	879	741	822	966	1,050			
Total Dissolved Solids	mg/L	N/A	NE	4,150	4,230	4,960	3,630	4,100			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00271 J	0.00451	0.00168 J	0.00240 J	0.00211 J			
Barium	mg/L	2	NE	0.0395	0.0824	0.0331	0.0343	0.0322			
Beryllium	mg/L	0.004	NE	<0.000271	0.00136 J	<0.000271	<0.000271	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	<0.000560	0.00412	0.000603 J	<0.000560	<0.000560			
Cobalt	mg/L	0.006	NE	<0.000355	0.00207	0.000402 J	<0.000355	0.000360 J			
Lead	mg/L	0.015	NE	<0.000367	0.00838	0.000690 J	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.470	0.378	0.284	0.356	0.330			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.000728 J	0.00186 J	0.000569 J	0.000506 J	0.000576 J			
Radium-226/228	pCi/L	5.0	NE	2.64	2.97	2.24	1.98	1.52			
Selenium	mg/L	0.05	NE	0.000834 J	<0.000590	<0.000590	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415			

Notes:

BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				SFL MW-4																						
Sample Location:																										
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring												
Sample Dates:				6/23/2016	8/25/2016	10/19/2016	12/22/2016	2/22/2017	5/2/2017	6/14/2017	8/22/2017	3/20/2018	6/12/2018	1/6/2019	6/26/2019	12/17/2019	6/16/2020	2/10/2021	7/13/2021	7/19/2022	12/12/2022	6/26/2023	11/15/2023	8/29/2024	12/11/2024	5/20/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																							
Field Parameters																										
pH	SU	-	-	-	-	-	-	-	-	-	-	6.3	6.17	6.27	6.2	6.52	5.82	6.45	6.12	7.37	6.91	6.69	6.15	6.58	6.21	6.30	6.18
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	8,140	7,810	8,730	7,870	8,200	7,620	6,391	7,630	590	571	316	6,503	703	7,543	8,353	8,035
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	0	16.2	0.1	0	1	8	0.34	3.11	0.48	2.22	0.79	15.37	6.82	5.32	3.57	0.94
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0.97	0.54	0	0.79	11.9	0.03	0.01	0.00	5.29	0.43	5.53	0.63	4.81	0.21	0.10	0.12
Temperature	°C	-	-	-	-	-	-	-	-	-	-	21.62	27.59	20.31	23.51	19.31	26.21	18.6	23.6	26.0	22.4	24.6	22.5	23.5	22.5	23.7	22.9
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	56	56	48	65	18	-20	-31.8	-35.7	189.2	-143.7	141.7	102.1	57.6	213.2	-233.2	-98.3
Appendix III																										
Boron	mg/L	N/A	0.598	0.6	0.6	0.69	0.61	0.55	0.58	0.59	0.55	-	ND	ND	0.7	-	0.711	0.648	0.809	0.677	0.748	0.494	0.797	0.646	0.727	0.869	0.906
Calcium	mg/L	N/A	538	799	768	826	858	721	735	780	740	-	673	714	801	-	759	704	752	48.9	220	371	160	763	545	634	850
Chloride	mg/L	N/A	650	1,690	1,680	1,750	1,670	1,730	1,730	1,740	1,730	-	1,410	1,640	1,660	-	1,760	1,580	1,560	19.1	556	1,310	1,440	1,830	1,570	1,490	1,810
Fluoride	mg/L	4	0.25	0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	ND	ND	1.7	ND	ND	ND	<0.130	0.204J	0.484	0.315	0.123	0.0824J	<0.500	<1.00	<1.00	<0.100
pH, Field	SU	N/A	6.01-7.67	6.38	5.94	6.18	6.45	6.35	6.17	5.98	6.01	6.31	6.17	6.27	6.15	6.5	5.8	6.5	6.12	7.37	6.91	6.69	6.15	6.58	6.21	6.30	6.18
Sulfate	mg/L	N/A	2,980	2,150	2,100	2,190	2,100	2,230	2,280	2,280	2,240	-	2,010	2,220	2,080	-	2,320	1,870	2,390	174	791	1,720	2,010	2,080	2,610	2,650	2,870
Total Dissolved Solids	mg/L	N/A	4,920	6,200	6,160	5,850	6,000	6,000	5,700	5,700	5,900	-	6,470	6,170	5,310	-	6,010	5,720	5,770	411	1,110	474	5,360	6,100	7,660	6,640	5,870
Appendix IV																										
Antimony	mg/L	0.006	0.002	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	0.000534J	0.000971J	<0.000967	<0.000967	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.00282	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	0.00106	<0.000313	0.000786J	0.00106	0.0013	0.000601J	<0.00345	<0.00690	<0.000690	<0.000690
Barium	mg/L	2	0.06	0.04	0.03	0.03	0.03	0.02	0.03	0.02	0.02	ND	-	-	-	0.023	0.024	0.0247	0.0262	0.0201	0.0275	0.0281	0.00488J	0.0291	0.0175J	0.0192	0.0179
Beryllium	mg/L	0.004	0.000274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000182	<0.000182	<0.000274	<0.000274	<0.000274	<0.000274	<0.00136	<0.00271	<0.000271	<0.000271
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	ND	ND	ND	ND	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.00120	<0.00240	<0.000240	<0.000240
Chromium	mg/L	0.1	0.00617	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00153	<0.00153	0.00379	<0.00153	<0.00153	<0.00153	<0.00280	<0.00560	<0.000560	<0.000560
Cobalt	mg/L	0.006	0.00226	<0.02	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	ND	ND	ND	<0.000134	<0.000134	<0.000261	<0.000261	<0.000261	0.00037J	<0.00178	<0.00355	<0.000355	<0.000355
Lead	mg/L	0.015	0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	ND	ND	ND	ND	ND	ND	<0.000128	<0.000128	<0.000167	<0.000167	<0.000376	<0.000376	<0.00184	<0.00367	<0.000367	<0.000367
Lithium	mg/L	0.04	0.543	0.48	0.49	0.52	0.58	0.45	0.42	0.48	0.34	0.478	0.348	0.401	0.377	0.418	0.432	0.402	0.401	0.02	0.124	0.236	0.453	0.209	<0.0868	0.494	0.325
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	0.00106J	0.00208J	0.00196J	0.00234J	0.0017J	<0.000610	<0.00128	<0.00255	<0.000255	<0.000255
Radium-226/228	pCi/L	5.0	9.82	6.85	5.28	4.2	0.4	3.2	1.500	2.6	2.1	1.65	1.81	1.18	1.28	1.28	1.26	1.120	1.66	0.447U	0.752	0.216	2.43	1.21	1.53	2.19	2.56
Selenium	mg/L	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	0.00124J	<0.00295	<0.00590	<0.000590	<0.000590
Thallium	mg/L	0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.006	ND	ND	ND	ND	ND	ND	<0.000148	<0.000148	<0.000472	<0.000472	<0.000472	<0.000472	<0.000925	<0.00415	<0.000415	<0.000415

Notes:
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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
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			Sample Location:	SFL MW-5D							
			Compliance Phase:	Background							
			Sample Dates:	6/3/2025	7/21/2025	8/27/2025	10/16/2025	11/20/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	7.38	7.36	7.23	7.60	7.35			
Conductivity	µS/cm	-	-	4,085	4,870	4,702	4,759	4,652			
Turbidity	NTU	-	-	18.8	26.8	35.1	19.5	46.7			
Dissolved Oxygen	mg/L	-	-	0.57	0.59	0.61	0.87	0.35			
Temperature	°C	-	-	27.6	28.7	28.3	26.8	26.9			
Oxidation Reduction Potential	mV	-	-	-108.7	-91.2	-68.3	13.6	-108.5			
Appendix III											
Boron	mg/L	N/A	NE	1.30	1.15	1.19	1.36	1.14			
Calcium	mg/L	N/A	NE	175	146	149	176	162			
Chloride	mg/L	N/A	NE	964	836	955	1,010	1,260			
Fluoride	mg/L	4	NE	0.675 J	<0.500	0.133 J	0.269 J	0.312 J			
pH, Field	SU	N/A	NE	7.38	7.36	7.23	7.60	7.35			
Sulfate	mg/L	N/A	NE	704	554	738	755	849			
Total Dissolved Solids	mg/L	N/A	NE	2,920	2,890	3,590	2,610	3,020			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00227 J	0.00210 J	0.00185 J	0.00140 J	0.00551			
Barium	mg/L	2	NE	0.0403	0.0338	0.0339	0.0316	0.0427			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.000271	<0.000271	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	0.000975 J	0.000705 J	0.000761 J	0.000678 J	0.000907 J			
Cobalt	mg/L	0.006	NE	0.00111 J	0.000978 J	0.000939 J	0.000873 J	0.00314			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.417	0.384	0.328	0.325	0.326			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.00942	0.00710	0.00504	0.00480	0.00723			
Radium-226/228	pCi/L	5.0	NE	0.586 U	1.20	1.23 U	1.75	2.00			
Selenium	mg/L	0.05	NE	0.000743 J	<0.000590	<0.000590	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415			

Notes:

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mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
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µS/cm - micro Siemens per centimeter
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All metals were analyzed as total unless otherwise specified.

			Sample Location:	SFL MW-6D							
			Compliance Phase:	Background							
			Sample Dates:	5/21/2025	7/22/2025	8/28/2025	10/15/2025	11/19/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	--	7.29	5.56	7.03	7.06			
Conductivity	µS/cm	-	-	--	5,820	5,418	5,282	4,647			
Turbidity	NTU	-	-	--	71.6	72.8	>1,100	17.8			
Dissolved Oxygen	mg/L	-	-	--	0.41	0.28	2.57	1.30			
Temperature	°C	-	-	--	26.2	26.3	23.2	23.6			
Oxidation Reduction Potential	mV	-	-	--	-49.8	-21.2	116.3	220.2			
Appendix III											
Boron	mg/L	N/A	NE	--	--	--	0.810	0.730			
Calcium	mg/L	N/A	NE	--	--	--	212	178			
Chloride	mg/L	N/A	NE	--	--	--	1,270	1,420			
Fluoride	mg/L	4	NE	--	--	--	0.177 J	0.246 J			
pH, Field	SU	N/A	NE	--	7.29	5.56	7.03	7.06			
Sulfate	mg/L	N/A	NE	--	--	--	760	778			
Total Dissolved Solids	mg/L	N/A	NE	--	--	--	3,010	2,970			
Appendix IV											
Antimony	mg/L	0.006	NE	--	--	--	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	--	--	--	0.00790	0.00552			
Barium	mg/L	2	NE	--	--	--	0.0952	0.0715			
Beryllium	mg/L	0.004	NE	--	--	--	0.00165 J	0.000880 J			
Cadmium	mg/L	0.005	NE	--	--	--	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	--	--	--	0.00940	0.00672			
Cobalt	mg/L	0.006	NE	--	--	--	0.0105	0.00517			
Lead	mg/L	0.015	NE	--	--	--	0.0170	0.00843			
Lithium	mg/L	0.04	NE	--	--	--	0.250	0.249			
Mercury	mg/L	0.002	NE	--	--	--	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	--	--	--	0.0115	0.0130			
Radium-226/228	pCi/L	5.0	NE	--	--	--	4.93	3.92			
Selenium	mg/L	0.05	NE	--	--	--	0.000622 J	0.000622 J			
Thallium	mg/L	0.002	NE	--	--	--	<0.000415	<0.000415			

Notes:

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J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
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NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

Sample Location:				SFL MW-7																							
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring													
Sample Dates:				5/11/2017	5/31/2017	6/14/2014	6/28/2017	7/20/2017	8/23/2017	8/31/2017	9/7/2017	3/20/2018	6/12/2018	1/16/2019	6/26/2019	12/17/2019	6/16/2020	2/10/2021	7/13/2021	9/12/2022	12/12/2022	6/26/2023	11/15/2023	8/29/2024	12/11/2024	5/20/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																								
Field Parameters																											
pH	SU	-	-	-	-	-	-	-	-	-	-	6.5	6.33	6.69	6.8	6.7	6.01	6.64	6.34	6.58	6.45	6.43	6.47	6.75	6.39	6.56	6.28
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	9,210	8,820	9,800	8,830	9,370	8,240	5,680	6,956	6,982	6,996	6,814	6,812	6,376	8,698	7,104	8,840
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	0	7.6	0	0	20.3	0	2.43	2.26	7.20	1.39	0.82	2.97	4.19	5.92	3.04	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0.29	2.53	1.74	3.48	0.83	0.34	0.10	0.27	0.45	0.23	0.28	0.27	1.71	0.27	0.50	0.11
Temperature	°C	-	-	-	-	-	-	-	-	-	-	20.43	28.91	18.84	23.25	18.8	25.31	19.5	23.9	26.2	22.2	24.1	23.0	24.3	22.1	23.6	23.8
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	-102	-42	19	18	-82	-43	-28.6	-9.9	-126.7	-84.6	246.1	158.2	94.6	211.4	83.4	-200.7
Appendix III																											
Boron	mg/L	N/A	0.598	0.75	0.78	0.76	0.73	0.83	0.92	0.7	0.59	-	ND	ND	0.879	-	0.832	0.792	0.795	0.832	0.916	0.759	0.812	0.877	1.15	0.824	0.766
Calcium	mg/L	N/A	538	678	654	662	620	664	693	628	613	-	591	523	588	-	643	400	395	475	451	431	450	473	564	476	745
Chloride	mg/L	N/A	650	2,870	2,740	2,800	2,850	2,780	2,810	2,770	2,820	-	2,600	2,580	2,700	-	2,880	1,920	1,900	2,020	1,900	2,000	1,930	2,280	2,880	1,910	3,170
Fluoride	mg/L	4	0.25	0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	ND	ND	2.62	ND	ND	ND	<0.130	0.190J	0.0599J	0.0881J	0.099J	0.0928J	<0.500	<1.00	<1.00	<0.100
pH, Field	SU	N/A	6.01-7.67	6.37	6.43	6.17	6.32	6.34	6.21	6.11	6.24	-	6.47	6.69	6.79	6.7	6.01	6.64	6.34	6.58	6.45	6.43	6.47	6.75	6.39	6.56	6.28
Sulfate	mg/L	N/A	2,980	811	778	779	787	770	801	768	770	-	743	694	630	-	816	576	672	528	662	667	626	651	908	707	1,020
Total Dissolved Solids	mg/L	N/A	4,920	7,260	6,810	6,460	6,620	6,640	6,230	6,650	6,810	-	6,840	6,090	5,410	-	5,830	4,430	4,200	4,120	4,160	4,440	4,220	5,020	7,020	4,200	6,710
Appendix IV																											
Antimony	mg/L	0.006	0.002	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	0.000579J	<0.000378	0.000978J	<0.000506	<0.000967	0.00102J	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.00282	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.000313	<0.000313	0.000479J	<0.000282	0.000308J	<0.000282	<0.00345	<0.00690	<0.000690	<0.000690
Barium	mg/L	2	0.06	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	ND	-	-	-	0.037	0.0342	0.051	0.0476	0.102	0.053	0.0497	0.0253	0.0472	0.0421	0.0609	0.0320
Beryllium	mg/L	0.004	0.000274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000182	<0.000182	<0.000274	<0.000274	<0.000274	<0.000274	<0.00136	<0.00271	<0.000271	<0.000271
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	ND	ND	ND	ND	<0.000217	<0.000217	0.000250J	<0.000217	<0.000217	<0.000217	<0.00120	<0.00240	<0.000240	<0.000240
Chromium	mg/L	0.1	0.00617	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00280	<0.00560	<0.000560	<0.000560
Cobalt	mg/L	0.006	0.00226	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	ND	ND	ND	<0.000134	<0.000134	<0.000261	<0.000261	<0.000261	<0.000261	<0.00178	<0.00355	<0.000355	<0.000355
Lead	mg/L	0.015	0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	ND	ND	ND	ND	ND	ND	0.000211J	<0.000128	0.000208J	<0.000167	<0.000376	<0.000376	<0.00184	<0.00367	<0.000367	<0.000367
Lithium	mg/L	0.04	0.543	0.46	0.45	0.5	0.46	0.43	0.4	0.4	0.37	0.466	0.379	0.388	0.408	0.45	0.447	0.375	0.389	0.401	0.437	0.372	0.389	0.284	<0.0174	0.506	0.344
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	<0.000610	<0.000610	0.00173J	<0.000610	<0.000610	<0.000610	<0.00128	<0.00255	<0.000255	<0.000255
Radium-226/228	pCi/L	5.0	9.82	1.9	4.4	2.3	2.6	2.6	3.4	1.4	2.9	1.98	2	2.36	2.2	1.96	1.99	2.56	2.77	1.98	3.14	2.62	2.26	1.43	3.01	2.70	3.53
Selenium	mg/L	0.05	0.01	<0.01	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	<0.00295	<0.00590	<0.000590	<0.000590
Thallium	mg/L	0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	ND	ND	ND	ND	ND	<0.000148	<0.000148	<0.000472	<0.000472	<0.000472	<0.000472	<0.000925	<0.00415	<0.000415	<0.000415

Notes:
BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	SFL MW-8D							
			Compliance Phase:	Background							
			Sample Dates:	5/21/2025	7/22/2025	8/27/2025	10/15/2025	11/19/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.74	6.65	6.57	6.61	6.53			
Conductivity	µS/cm	-	-	2,674	2,684	2,651	2,625	2,140			
Turbidity	NTU	-	-	6.40	9.94	6.00	4.10	0.02			
Dissolved Oxygen	mg/L	-	-	0.08	0.39	0.25	0.49	0.20			
Temperature	°C	-	-	24.2	27.5	26.9	25.9	23.9			
Oxidation Reduction Potential	mV	-	-	15.0	-43.5	15.1	49.1	-162.6			
Appendix III											
Boron	mg/L	N/A	NE	1.20	0.877	0.866	0.680	0.596			
Calcium	mg/L	N/A	NE	172	159	172	167	157			
Chloride	mg/L	N/A	NE	409	393	393	393	422			
Fluoride	mg/L	4	NE	0.158 J	0.117 J	<0.100	<0.100	<0.100			
pH, Field	SU	N/A	NE	6.74	6.65	6.57	6.61	6.53			
Sulfate	mg/L	N/A	NE	641	624	655	691	502			
Total Dissolved Solids	mg/L	N/A	NE	1,530	1,720	2,150	1,510	1,540			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00375 J	0.00309 J	0.00354 J	0.00260 J	0.00207 J			
Barium	mg/L	2	NE	0.0426	0.0375	0.0412	0.0362	0.0384			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.000271	<0.000271	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	<0.000560	<0.000560	<0.000560	<0.000560	<0.000560			
Cobalt	mg/L	0.006	NE	0.00252	0.00176 J	0.00200	0.00162 J	0.00147 J			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.236	0.329	0.175	0.116 J	0.187			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.00410	0.00263	0.00260	0.00169 J	0.00128 J			
Radium-226/228	pCi/L	5.0	NE	1.71	1.07	1.79	2.62	1.25			
Selenium	mg/L	0.05	NE	<0.000590	<0.000590	<0.000590	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415			

Notes:

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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	MNW-15D							
			Compliance Phase:	Background							
			Sample Dates:	6/5/2025	7/22/2025	8/27/2025	10/15/2025	11/19/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.39	6.47	6.35	6.40	6.32			
Conductivity	µS/cm	-	-	4,109	4,430	4,617	4,600	3,768			
Turbidity	NTU	-	-	7.66	1.43	1.53	6.75	0.02			
Dissolved Oxygen	mg/L	-	-	0.12	0.31	0.62	0.32	0.16			
Temperature	°C	-	-	25.0	25.7	28.5	26.1	24.6			
Oxidation Reduction Potential	mV	-	-	-111.7	-150.4	-45.9	19.2	-155.0			
Appendix III											
Boron	mg/L	N/A	NE	0.390	0.374	0.425	0.408	0.362			
Calcium	mg/L	N/A	NE	316	288	335	344	304			
Chloride	mg/L	N/A	NE	826	813	847	866	929			
Fluoride	mg/L	4	NE	0.539 J	<0.500	<0.100	0.114 J	<0.100			
pH, Field	SU	N/A	NE	6.39	6.47	6.35	6.40	6.32			
Sulfate	mg/L	N/A	NE	1,090	1,100	1,200	1,180	973			
Total Dissolved Solids	mg/L	N/A	NE	2,740	3,100	3,540	2,150	2,800			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	<0.000690	0.00100 J	0.00117 J	0.000911 J	0.000933 J			
Barium	mg/L	2	NE	0.0390	0.0394	0.0471	0.0402	0.0381			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.000271	<0.000271	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	<0.000560	<0.000560	<0.000560	<0.000560	<0.000560			
Cobalt	mg/L	0.006	NE	<0.000355	<0.000355	<0.000355	<0.000355	<0.000355			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.329	0.391	0.237	0.240	0.286			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.000310 J	0.000424 J	0.000472 J	0.000388 J	0.000309 J			
Radium-226/228	pCi/L	5.0	NE	2.96	1.77	1.48	2.26	0.926			
Selenium	mg/L	0.05	NE	0.000963 J	<0.000590	<0.000590	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415			

Notes:

BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				Sample Location:	MNW-18 (BACKGROUND/UPGRADIENT)																						
				Compliance Phase:	Background								Initial A.M.		Assessment Monitoring												
				Sample Dates:	5/3/2017	5/30/2017	6/13/2017	6/27/2017	7/19/2017	8/23/2017	8/31/2017	9/7/2017	3/20/2018	6/8/2018	1/16/2019	6/26/2019	12/17/2019	6/16/2020	2/9/2021	7/13/2021	7/19/2022	12/12/2022	6/27/2023	11/15/2023	8/29/2024	12/11/2024	5/20/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																								
Field Parameters																											
pH	SU	-	-	-	-	-	-	-	-	-	-	-	6.9	6.75	6.94	6.6	6.95	6.41	6.77	6.69	6.89	7.27	7.20	6.97	7.50	7.01	7.21	6.80
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	-	4,920	4,970	4,980	1,970	2,070	4,060	3,119	3,913	3,726	2,173	2,335	2,373	2,697	3,575	3,094	3,141
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	-	0	5.4	0.5	3.5	0	0	0.00	2.10	1.68	0.83	0.71	1.40	0.68	8.43	8.66	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	-	0	0.8	4.04	3.85	0	0.46	0.17	0.11	0.44	5.24	7.31	5.35	7.71	0.30	5.00	0.17
Temperature	°C	-	-	-	-	-	-	-	-	-	-	-	19	26.16	17.66	26.8	19.51	23.45	18.6	23.5	22.9	21.3	23.3	22.2	24.1	19.9	23.0	23.5
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-96	-90	-92	26	-24	-51	-43.2	-47.4	-75.4	119.9	137.6	141.6	93.1	211.2	85.4	-19.4
Appendix III																												
Boron	mg/L	N/A	0.598	0.45	0.44	0.44	0.43	0.44	0.54	0.44	0.30	-	ND	ND	0.297	-	0.485	0.422	0.0451J	0.358	0.331	0.262	0.321	0.395	0.312	0.383	0.388
Calcium	mg/L	N/A	538	301	330	350	394	440	447	444	439	-	396	316	104.0	-	322	299	<0.127	299	139	142	159	178	122	196	198
Chloride	mg/L	N/A	650	547	590	543	534	544	529	521	529	-	491	504	146	-	437	369	383	386	188	208	216	270	433	2,950	320
Fluoride	mg/L	4	0.25	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	ND	ND	2.01	ND	0.138	ND	0.120J	0.158J	0.223J	0.105J	0.139J	0.185J	<0.500	<0.500	<1.00	0.129 J
pH, Field	SU	N/A	6.01-7.67	7.39	7.16	6.95	6.84	6.68	6.70	6.55	6.47	6.86	6.75	6.94	6.56	7.0	6.4	6.8	6.69	6.89	7.27	7.20	6.97	7.50	7.01	7.21	6.80
Sulfate	mg/L	N/A	2,980	1,470	1,790	1,790	1,960	2,150	2,090	2,120	2,200	-	1,890	1,720	520	-	1,480	1,300	1,430	1,210	648	741	748	848	1,260	10,900	1,240
Total Dissolved Solids	mg/L	N/A	4,920	3,050	3,460	3,670	3,680	4,050	3,920	4,020	4,070	-	3,730	3,750	1,270	-	3,160	2,080	2,880	2,750	1,560	1,650	1,710	2,090	3,760	1,850	2,170
Appendix IV																												
Antimony	mg/L	0.006	0.002	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	0.00184J	0.0014J	0.00158J	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.00282	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.0016	0.0014	0.00255	<0.000313	0.00282	0.00129	0.00136	0.00114	<0.00345	<0.00690	0.000911 J	0.000746 J
Barium	mg/L	2	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.05	ND	-	-	-	0.0142	0.0477	0.0467	<0.00160	0.0432	0.00404J	0.00421J	0.00541J	<0.00671	0.0191J	0.00837	0.0149
Beryllium	mg/L	0.004	0.000274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	0.000184	<0.000182	<0.000274	<0.000274	<0.000274	<0.000274	<0.00136	<0.00271	<0.000271	<0.000271
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	ND	ND	ND	ND	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.00120	<0.00240	<0.000240	<0.000240
Chromium	mg/L	0.1	0.00617	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	0.0	0.00249	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00280	<0.00560	0.000684 J	<0.000560
Cobalt	mg/L	0.006	0.00226	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	ND	ND	0.000561	0.00226	<0.000134	0.00135	<0.000261	<0.000261	<0.000261	<0.00178	<0.00355	<0.000355	0.000603 J
Lead	mg/L	0.015	0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01		<0.01	<0.01	ND	ND	ND	ND	ND	ND	<0.000128	<0.000128	0.000183J	<0.000167	<0.000376	<0.000376	<0.00184	<0.00367	0.000439 J	<0.000367
Lithium	mg/L	0.04	0.543	0.39	0.41	0.48	0.45	0.44	0.44	0.4	0.36	0.443	0.417	0.403	0.2	0.197	0.365	0.332	<0.00339	0.333	0.213	0.196	0.252	0.185	0.154	0.354	0.322
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.00128	<0.00255	<0.000255	<0.000255
Radium-226/228	pCi/L	5.0	9.82	3.5	3.3	4.8	6.1	5.1	6.700	7.6	7.2	4.65	4.79	3.72	0.47	0.662	4.25	4.610	4.59	4.44	0.999	0.456	0.759	-0.0407	2.85	0.421 U	1.50
Selenium	mg/L	0.05	0.01	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	<0.00295	<0.00590	<0.000590	<0.000590
Thallium	mg/L	0.002	0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	ND	ND	ND	ND	ND	<0.000148	<0.000148	<0.000472	<0.000472	<0.000472	<0.000472	<0.000925	<0.00415	<0.000415	<0.000415

Notes:
BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

SSP/APs CCR Units – Shallow

			Sample Location:	AP MW-1							
			Compliance Phase:	Background							
			Sample Dates:	5/22/2025	7/17/2025	8/26/2025	10/14/2025	11/18/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	5.48	5.37	5.33	5.37	5.47			
Conductivity	µS/cm	-	-	2,484	2,599	2,412	2,400	1,988			
Turbidity	NTU	-	-	6.71	2.01	1.01	2.46	0.02			
Dissolved Oxygen	mg/L	-	-	0.12	0.55	0.41	0.13	0.08			
Temperature	°C	-	-	23.1	24.9	23.8	24.7	23.5			
Oxidation Reduction Potential	mV	-	-	3.5	-42.6	-37.1	81.5	35.7			
Appendix III											
Boron	mg/L	N/A	NE	4.05	3.98	3.88	3.97	3.82			
Calcium	mg/L	N/A	NE	157	160	170	152	123			
Chloride	mg/L	N/A	NE	277	306	265	255	225			
Fluoride	mg/L	4	NE	0.136 J	<0.100	<0.100	<0.100	0.171 J			
pH, Field	SU	N/A	NE	5.48	5.37	5.33	5.37	5.47			
Sulfate	mg/L	N/A	NE	802	788	827	834	775			
Total Dissolved Solids	mg/L	N/A	NE	2,280	2,030	1,580	1,670	1,680			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00348 J	0.00425	0.00454	0.00381 J	0.00380 J			
Barium	mg/L	2	NE	0.0552	0.0537	0.0554	0.0479	0.0473			
Beryllium	mg/L	0.004	NE	0.00552	0.00617	0.00574	0.00481	0.00424			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	0.000633 J	<0.000560	0.000613 J	0.000707 J	<0.000560			
Cobalt	mg/L	0.006	NE	0.120	0.119	0.115	0.103	0.0907			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.129	0.116	0.0790	<0.0868	0.0807			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.00318	0.00304	0.00304	0.00303	0.00327			
Radium-226/228	pCi/L	5.0	NE	5.76	5.06	4.29	4.75	4.34			
Selenium	mg/L	0.05	NE	0.00450	<0.000590	<0.000590	<0.000590	0.00234			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415			

Notes:

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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				AP MW-3																					
Sample Location:																									
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring											
Sample Dates:				6/22/2016	8/24/2016	11/10/2016	12/21/2016	2/20/2017	5/3/2017	6/12/2017	8/22/2017	3/20/2018	6/8/2018	1/15/2019	6/25/2019	12/17/2019	6/17/2020	2/10/2021	7/12/2021	7/19/2022	12/13/2022	6/27/2023	11/14/2023	8/28/2024	12/12/2024	5/19/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																						
Field Parameters																									
pH	SU	-	-	-	-	-	-	-	-	-	-	5.1	5.12	5.22	5.1	4.99	4.34	5.18	4.96	5.05	4.95	5.01	4.91	5.11	5.08	5.01	5.07
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	1,830	1,830	1,530	1,770	1,790	1,700	1,473	1,827	1,789	1,682	1,675	1,694	1,689	1,557	1,648	1,581
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	0	28.1	0	9.7	0.5	0	3.74	8.47	2.03	3.16	4.54	6.14	10.55	1.82	0.02	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0	0.93	0.07	1.06	0.49	0.67	0.06	0.21	0.70	0.22	4.38	0.31	3.28	0.24	0.40	0.07
Temperature	°C	-	-	-	-	-	-	-	-	-	-	23.49	24.89	19.42	26.36	19.39	26.96	19.3	22.2	23.0	23.3	23.5	23.5	25.2	22.7	23.6	23.6
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	309	303	273	184	309	407	166.1	88.6	515.1	299.1	430.1	465.0	127.2	209.3	188.6	113.8
Appendix III																									
Boron	mg/L	N/A	1.41	3.7	3.63	3.56	3.88	3.61	3.73	3.58	3.82	-	3.67	3.49	4.18	-	3.23	4.13	3.54	4.26	4.83	5.02	5.38	4.53	4.65	4.44	4.58
Calcium	mg/L	N/A	745	138	123	127	137	132	139	129	134	-	135	121	134	-	139	134	146	144	153	147	152	145	137	119	129
Chloride	mg/L	N/A	1,750	129	128	143	141	146	148	152	155	-	144	153	147	-	160	144	146	153	145	145	156	153	140	141	129
Fluoride	mg/L	4	0.5	0.2	0.2	0.1	0.1	<0.1	0.1	0.1	0.1	ND	ND	0.223	ND	ND	ND	0.0558J	0.0577J	0.0634J	0.054J	0.0623J	0.0566J	0.112J	<0.100	0.141 J	<0.100
pH, Field	SU	N/A	5.25-6.32	5.38	5.09	5.4	5.11	5.05	5.02	5.12	4.79	5.09	5.12	5.22	5.14	4.99	4.34	5.18	4.96	5.05	4.95	5.01	4.91	5.11	5.08	5.01	5.07
Sulfate	mg/L	N/A	3,300	700	731	733	729	720	739	740	751	-	673	653	637	-	807	645	722	596	583	599	574	667	644	617	677
Total Dissolved Solids	mg/L	N/A	8,340	1,390	1,400	1,370	1,400	1,400	1,300	1,400	1,360	-	1,770	1,360	1,390	-	1,330	1,370	1,420	1,410	1,340	1,340	1,320	1,230	1,780	1,390	1,160
Appendix IV																									
Antimony	mg/L	0.006	0.00157	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	<0.000506	<0.000967	0.00153J	<0.00375	<0.00375	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	ND	ND	ND	0.00129	0.00154	0.00129	0.00169	0.0014	0.00165	0.00109	<0.00345	<0.00345	0.00137 J	0.00135 J
Barium	mg/L	2	0.19	0.04	0.03	0.02	0.03	0.02	0.02	0.02	0.02	ND	-	-	-	0.0243	0.0238	0.0236	0.0294	0.0211	0.0231	0.0197	0.0229	0.0215	0.0211	0.0191	0.0192
Beryllium	mg/L	0.004	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	ND	ND	0.00269	0.00241	0.00301	0.00236	0.00264	0.00286	0.00291	0.00301	0.00253	0.00312	0.00295J	0.00269J	0.00287	0.00254
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	0.00482	0.00	0.00424	0.00432	0.00382	0.00469	0.00437	0.00438	0.00304	0.00487	0.00349J	0.00383J	0.00345	0.00302
Chromium	mg/L	0.1	0.00248	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	0.00173J	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00280	<0.00280	<0.000560	<0.000560
Cobalt	mg/L	0.006	0.00174	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.0351	0.0396	0.0428	0.024	0.0306	0.0358	0.0476	0.0392	0.0328	0.0331	0.0206	0.0387	0.0332	0.0370	0.0323	0.0280
Lead	mg/L	0.015	0.0106	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	0.00121	0.000456J	0.0514	0.000219J	<0.000167	<0.000376	<0.000376	<0.00184	<0.00184	<0.000367	<0.000367
Lithium	mg/L	0.04	1.69	0.06	0.06	0.07	0.07	0.06	0.05	0.06	0.04	ND	0.047	ND	0.0461	0.0546	0.0531	0.053	0.00149	0.0431	0.0488	0.0422	0.048	<0.0174	<0.174	0.0804	0.0660
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	0.00025	ND	0.000324	0.000455	<0.000610	0.00158	0.00141	0.00127	0.00385	0.00177	0.00140	0.00122	0.000888
Molybdenum	mg/L	0.1	0.00199	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	ND	ND	ND	ND	ND	0.000848J	<0.00151	<0.000610	<0.000610	<0.000610	<0.000610	<0.00128	<0.00128	0.000319 J	0.000434 J
Radium-226/228	pCi/L	5.0	3.9	1.11	7.54	1.7	2.9	2.4	2.9	2.5	4.8	1.82	1.89	2.09	2.07	2.17	1.6	1.870	2.7	5.13U	2.58	0.805	1.92	2.33	3.42	2.96	2.28
Selenium	mg/L	0.05	0.000739	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00151	0.0577J	0.00135J	<0.000739	0.000776J	<0.000739	<0.00295	<0.00295	0.000998 J	<0.000590
Thallium	mg/L	0.002	0.000472	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	-	-	-	ND	ND	0.000267J	0.000271J	0.000529J	<0.000472	<0.000472	<0.000472	<0.000925	<0.00208	<0.000415	<0.000415

Notes:
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mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	AP MW-4S							
			Compliance Phase:	Background							
			Sample Dates:	5/22/2025	7/18/2025	8/26/2025	10/14/2025	11/18/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	4.82	4.34	4.16	4.11	3.81			
Conductivity	µS/cm	-	-	1,740	1,748	1,731	1,784	1,453			
Turbidity	NTU	-	-	28.3	9.86	6.35	6.06	0.02			
Dissolved Oxygen	mg/L	-	-	0.08	0.28	0.83	0.21	0.15			
Temperature	°C	-	-	24.2	24.9	23.4	25.3	23.2			
Oxidation Reduction Potential	mV	-	-	173.9	-46.3	-77.1	270.1	47.3			
Appendix III											
Boron	mg/L	N/A	NE	3.40	3.49	3.62	3.43	3.69			
Calcium	mg/L	N/A	NE	125	131	158	130	131			
Chloride	mg/L	N/A	NE	119	125	126	146	147			
Fluoride	mg/L	4	NE	0.347 J	0.386 J	<1.00	0.387 J	0.560			
pH, Field	SU	N/A	NE	4.82	4.34	4.16	4.11	3.81			
Sulfate	mg/L	N/A	NE	686	649	733	770	722			
Total Dissolved Solids	mg/L	N/A	NE	1,420	1,400	1,200	1,210	1,170			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00976	0.00779	0.0101	0.0102	0.00928			
Barium	mg/L	2	NE	0.0203	0.0160	0.0183	0.0178	0.0170			
Beryllium	mg/L	0.004	NE	0.0107	0.0116	0.0160	0.0164	0.0148			
Cadmium	mg/L	0.005	NE	0.000287 J	<0.000240	0.000330 J	0.000323 J	0.000436 J			
Chromium	mg/L	0.1	NE	<0.000560	<0.000560	<0.000560	<0.000560	<0.000560			
Cobalt	mg/L	0.006	NE	0.0457	0.0355	0.0444	0.0407	0.0392			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.171	0.188	0.153	0.155	0.148			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	<0.000255	<0.000255	<0.000255	<0.000255	<0.000255			
Radium-226/228	pCi/L	5.0	NE	1.55	1.07	0.757 U	2.09	1.33			
Selenium	mg/L	0.05	NE	0.00534	<0.000590	<0.000590	<0.000590	0.00506			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	0.000420 J			

Notes:

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NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

Sample Location:				AP MW-5																							
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring													
Sample Dates:				6/22/2016	8/24/2016	10/18/2016	12/21/2016	2/21/2017	5/4/2017	6/12/2017	8/24/2017	3/21/2018	6/13/2018	1/15/2019	6/25/2019	12/18/2019	6/17/2020	2/10/2021	7/12/2021	7/19/2022	12/13/2022	6/27/2023	11/14/2023	8/30/2024	12/12/2024	5/20/2025	11/11/2025
Constituent	Unit	MCL/HBL	Site BTV																								
Field Parameters																											
pH	SU	-	-	-	-	-	-	-	-	-	-	4.22	3.64	3.40	3.33	3.47	3.21	3.68	3.22	3.54	3.30	3.33	3.42	3.34	3.53	3.41	3.76
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	1,830	5,440	5,620	5,420	4,920	4,440	3,196	3,901	5,675	5,558	4,307	5,636	4,260	5,568	6,055	5,550
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	27.2	14.2	4.4	1.75	0	21	64.15	21.11	9.17	2.11	2.17	6.03	1.13	0.97	3.42	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0	0.52	2.07	3.73	3.24	0.05	0.04	2.80	0.46	0.25	0.10	0.23	6.49	0.24	0.08	0.68
Temperature	°C	-	-	-	-	-	-	-	-	-	-	24	26.1	19.4	27.5	19.5	24.7	18.8	27.0	25.5	22.3	23.4	22.0	23.1	21.7	23.3	22.4
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	188	358	393	398	336	353	310.2	457.8	343.7	348.4	361.5	370.8	176.6	210.4	355.4	337.4
Appendix III																											
Boron	mg/L	N/A	1.41	3.3	3.4	3.33	3.66	3.32	3.39	3.38	3.26	-	4.2	3.38	3.57	-	3.25	3.53	3.48	3.25	3.79	3.87	3.53	3.54	3.38	3.06	3.26
Calcium	mg/L	N/A	745	387	468	503	575	494	522	512	498	-	476	601	369	-	362	354	491	615	578	549	600	582	548	555	481
Chloride	mg/L	N/A	1,750	410	469	451	480	480	472	479	473	-	404	460	368	-	361	322	373	491	494	570	670	555	631	609	598
Fluoride	mg/L	4	0.5	1.5	1.6	1.3	1.2	1.2	1.2	1	1.2	2.82	3.02	2.5	1.57	2.32	ND	1.18	1.7	2.66	2.39	2.28	3.09	2.62	2.79	3.24	3.49
pH, Field	SU	N/A	5.25-6.32	3.58	3.61	3.70	3.43	3.65	3.63	3.35	3.55	4.22	3.64	3.33	3.40	3.47	3.21	3.68	3.22	3.54	3.30	3.33	3.42	3.34	3.53	3.41	3.76
Sulfate	mg/L	N/A	3,300	2,640	2,960	2,630	2,960	2,880	2,930	2,900	2,960	-	2,780	2,590	2,180	-	2,030	1,670	2,580	2,810	2,730	2,790	1,370	2,810	3,580	2,930	3,340
Total Dissolved Solids	mg/L	N/A	8,340	4,170	4,770	5,040	4,940	4,860	4,530	4,830	4,720	-	4,730	4,600	4,380	-	3,430	3,380	4,170	5,030	4,960	5,090	5,080	5,390	5,760	4,840	4,570
Appendix IV																											
Antimony	mg/L	0.006	0.00157	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	0.000664J	0.000529J	<0.000506	<0.000506	<0.000967	0.00118J	<0.00375	<0.00375	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.01	0.02	<0.01	0.01	0.01	0.01	0.02	0.01	0.01	ND	0.0139	0.0117	ND	0.0168	0.00859	0.0095	0.0122	0.0176	0.0206	0.0147	0.0234	0.0139J	0.0210	0.0155	0.0169
Barium	mg/L	2	0.19	0.01	0.03	0.02	<0.01	0.04	0.02	0.02	0.01	ND	-	-	-	ND	0.0249	0.0556	0.0232	0.0128	0.0126	0.0101	0.0109	0.00978J	0.0102J	0.00861	0.00589
Beryllium	mg/L	0.004	0.002	0.077	0.088	0.087	0.088	0.089	0.084	0.081	0.084	0.0935	0.0746	0.0778	0.06	0.0743	0.0492	0.052	0.0711	0.112	0.119	0.0945	0.11	0.103	0.115	0.108	0.0982
Cadmium	mg/L	0.005	0.000217	0.006	0.01	0.009	0.011	0.01	0.009	0.01	0.01	0.00843	0.00909	0.00985	0.00583	0.00879	0.00594	0.00523	0.00823	0.00959	0.0102	0.0115	0.0128	0.0113	0.0120	0.00883	0.00773
Chromium	mg/L	0.1	0.00248	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	0.00228	<0.00153	<0.00153	0.00157J	<0.00153	<0.00153	0.0116J	<0.00280	0.000612 J	<0.000560
Cobalt	mg/L	0.006	0.00174	0.15	0.19	0.18	0.2	0.18	0.19	0.19	0.18	0.148	0.173	0.175	0.129	0.149	0.117	0.115	0.168	0.206	0.184	0.222	0.236	0.205	0.232	0.160	0.149
Lead	mg/L	0.015	0.0106	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.00149	0.00632	0.00473	0.00235	0.00203	0.00239	0.00203	0.0019	<0.00184	<0.00184	0.00163 J	0.00159 J
Lithium	mg/L	0.04	1.69	0.49	0.57	0.6	0.66	0.53	0.5	0.59	0.45	0.478	0.374	0.446	0.36	0.416	0.395	0.381	0.413	0.522	0.585	0.487	0.592	0.414	0.263	0.629	0.599
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000241	0.000224	ND	0.000878	0.736	0.000753	0.00643	0.00235	0.0026	0.000762	0.000369	0.000954	0.000160J	0.000883	0.00113	0.000807
Molybdenum	mg/L	0.1	0.00199	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	ND	ND	ND	ND	ND	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.00128	<0.00128	<0.000255	<0.000255
Radium-226/228	pCi/L	5.0	3.9	4.55	5.96	5.2	4.5	1.8	2.90	2.1	3.4	1.3	1.64	1.49	1.17	1.6	1.12	1.4	2.18	4.38	1.53	2.11	1.57	2.09	1.31	1.90	3.16
Selenium	mg/L	0.05	0.000739	<0.01	<0.01	0.01	0.01	0.01	0.01	<0.01	<0.01	ND	-	-	-	0.0533	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	0.0870	0.220	0.152	<0.000590
Thallium	mg/L	0.002	0.000472	<0.002	<0.002	<0.002	0.002	0.002	0.002	0.002	0.002	0.00221	-	-	-	0.00238	0.00224	0.00213	0.00212	0.00228	0.00248	0.00266	0.00293	0.00277J	0.00263J	0.00259	0.00270

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			Sample Location:	AP MW-7S							
			Compliance Phase:	Background							
			Sample Dates:	6/2/2025	7/18/2025	8/25/2025	10/14/2025	11/18/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	5.69	5.30	4.82	4.78	4.65			
Conductivity	µS/cm	-	-	5,781	5,770	5,866	5,851	4,763			
Turbidity	NTU	-	-	15.1	3.74	15.1	2.03	0.02			
Dissolved Oxygen	mg/L	-	-	0.53	1.03	0.37	0.22	0.21			
Temperature	°C	-	-	25.5	25.1	26.7	21.6	22.6			
Oxidation Reduction Potential	mV	-	-	92.1	187.4	239.4	251.4	94.5			
Appendix III											
Boron	mg/L	N/A	NE	1.28	1.41	1.30	1.23	1.35			
Calcium	mg/L	N/A	NE	550	484	498	491	466			
Chloride	mg/L	N/A	NE	367	347	350	367	369			
Fluoride	mg/L	4	NE	1.15 J	1.07 J	1.01 J	2.35	2.76			
pH, Field	SU	N/A	NE	5.69	5.30	4.82	4.78	4.65			
Sulfate	mg/L	N/A	NE	3,110	3,190	3,300	3,240	3,570			
Total Dissolved Solids	mg/L	N/A	NE	105,000	3,820	4,710	4,680	4,560			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.00375	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00612	0.00898	0.0137 J	0.0126	0.0150			
Barium	mg/L	2	NE	0.0359	0.0269	0.0285	0.0275	0.0190			
Beryllium	mg/L	0.004	NE	0.0431	0.0574	0.0812	0.0844	0.0909			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.00120	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	<0.000560	0.000657 J	<0.00280	0.000654 J	<0.000560			
Cobalt	mg/L	0.006	NE	0.0285	0.0288	0.0534	0.0544	0.0515			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.00184	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	1.07	0.964	0.924	0.973	1.02			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.00167 J	0.000763 J	<0.00128	0.000341 J	0.000290 J			
Radium-226/228	pCi/L	5.0	NE	2.67	3.54	4.70	3.01	3.49			
Selenium	mg/L	0.05	NE	0.0528	<0.000590	<0.00295	<0.000590	0.0716			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.00208	<0.000415	<0.000415			

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mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
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			Sample Location:	AP PZ-1 (BACKGROUND/UPGRADIENT)							
			Compliance Phase:	Background							
			Sample Dates:	5/22/2025	7/21/2025	8/26/2025	10/14/2025	11/18/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	4.97	4.78	4.65	4.76	4.73			
Conductivity	µS/cm	-	-	9,008	9,500	9,403	9,450	8,458			
Turbidity	NTU	-	-	5.45	3.02	2.15	2.11	7.55			
Dissolved Oxygen	mg/L	-	-	0.19	0.30	0.42	0.38	0.13			
Temperature	°C	-	-	23.7	25.1	25.7	21.5	24.4			
Oxidation Reduction Potential	mV	-	-	248.1	-82.3	-61.2	47.8	-7.4			
Appendix III											
Boron	mg/L	N/A	NE	0.338	0.329	0.318	0.329	0.302			
Calcium	mg/L	N/A	NE	895	905	1,040	985	880			
Chloride	mg/L	N/A	NE	2,380	2,300	2,500	2,610	2,710			
Fluoride	mg/L	4	NE	<1.00	<0.500	<1.00	0.193 J	0.169 J			
pH, Field	SU	N/A	NE	4.97	4.78	4.65	4.76	4.73			
Sulfate	mg/L	N/A	NE	1,760	1,760	1,940	1,980	1,900			
Total Dissolved Solids	mg/L	N/A	NE	5,710	6,840	5,690	5,910	5,680			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	0.000897 J	<0.000750			
Arsenic	mg/L	0.01	NE	0.00599	0.00823	0.00751	0.00638	0.00622			
Barium	mg/L	2	NE	0.0323	0.0231	0.0275	0.0278	0.0249			
Beryllium	mg/L	0.004	NE	0.00546	0.00546	0.00588	0.00528	0.00486			
Cadmium	mg/L	0.005	NE	0.0144	0.00653	0.00643	0.00460	0.00348			
Chromium	mg/L	0.1	NE	<0.000560	<0.000560	<0.000560	<0.000560	<0.000560			
Cobalt	mg/L	0.006	NE	0.0403	0.0537	0.0515	0.0461	0.0459			
Lead	mg/L	0.015	NE	<0.000367	<0.00184	0.000566 J	0.000668 J	0.000569 J			
Lithium	mg/L	0.04	NE	0.811	3.69	0.669	0.787	0.744			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.000589 J	0.000522 J	0.000377 J	0.000470 J	0.000477 J			
Radium-226/228	pCi/L	5.0	NE	10.8	11.6	10.3	11.9	11.1			
Selenium	mg/L	0.05	NE	0.00660	<0.000590	<0.000590	<0.000590	0.00348			
Thallium	mg/L	0.002	NE	0.00203	<0.00208	0.00180 J	0.00181 J	0.00192 J			

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mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
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			Sample Location:	AP PZ-4S							
			Compliance Phase:	Background							
			Sample Dates:	6/3/2025	7/18/2025	8/25/2025	10/13/2025	11/17/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.64	6.42	6.64	6.53	6.37			
Conductivity	µS/cm	-	-	10,356	10,373	10,439	10,488	8,533			
Turbidity	NTU	-	-	7.61	3.24	2.14	5.13	0.02			
Dissolved Oxygen	mg/L	-	-	0.25	0.47	6.30	0.59	0.42			
Temperature	°C	-	-	26.4	26.1	23.3	27.1	23.8			
Oxidation Reduction Potential	mV	-	-	-69.6	-13.5	-67.2	50.1	-157.8			
Appendix III											
Boron	mg/L	N/A	NE	1.09	1.09	1.08	1.05	1.01			
Calcium	mg/L	N/A	NE	875	785	880	755	890			
Chloride	mg/L	N/A	NE	2,940	2,910	2,970	3,060	2,390			
Fluoride	mg/L	4	NE	0.517 J	<1.00	<0.500	0.108 J	<1.00			
pH, Field	SU	N/A	NE	6.64	6.42	6.64	6.53	6.37			
Sulfate	mg/L	N/A	NE	1,170	1,150	1,300	1,290	950			
Total Dissolved Solids	mg/L	N/A	NE	5,820	5,690	7,970	5,990	6,590			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.00375	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00723	0.0117	0.00986 J	0.00560	0.00665			
Barium	mg/L	2	NE	0.0858	0.0801	0.0868	0.0656	0.0539			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.00136	<0.000271	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.00120	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	0.00305 J	0.00491	0.00375 J	0.000941 J	0.00132 J			
Cobalt	mg/L	0.006	NE	0.00631	0.00723	0.0149	0.00693	0.00593			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.00184	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	1.05	0.712	0.557	1.02	0.811			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.00356	0.00322	0.00289 J	0.00212	0.00186 J			
Radium-226/228	pCi/L	5.0	NE	5.08	4.44	5.34	5.45	4.75			
Selenium	mg/L	0.05	NE	0.00129 J	<0.000590	<0.00295	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.00208	<0.000415	<0.000415			

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				Sample Location:	SSP MW-2																					
				Compliance Phase:	Background								Initial A.M.		Assessment Monitoring											
				Sample Dates:	6/21/2016	8/23/2016	10/18/2016	12/20/2016	2/21/2017	5/3/2017	6/14/2017	8/24/2017	3/20/2018	6/9/2018	1/15/2019	6/28/2019	12/18/2019	6/17/2020	2/10/2021	7/13/2021	7/20/2022	12/13/2022	6/27/2023	11/15/2023	8/28/2024	12/12/2024	5/20/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																							
Field Parameters																										
pH	SU	-	-	-	-	-	-	-	-	-	-	-	4.7	4.43	3.96	3.9	4.95	4.14	4.00	4.52	4.49	4.60	4.36	4.47	4.35	4.78	5.01	4.78
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	-	9,970	8,650	1,030	1,350	8,690	8,450	7,095	9,564	9,029	9,631	8,968	8,339	9,072	8,996	9,942	8,952
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	-	67.1	46.4	42.1	39.9	55.4	14.6	4.11	11.89	26.07	3.23	2.42	5.97	173.80	5.47	9.18	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	-	0	2.01	2.49	0.43	0.43	0.3	0.13	0.23	1.43	0.37	0.23	0.97	5.03	0.37	0.11	1.15
Temperature	°C	-	-	-	-	-	-	-	-	-	-	-	22.51	26.68	18.01	26.49	23.25	29.22	18.3	23.3	23.4	22.0	25.0	21.1	23.9	19.8	23.8	23.1
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	-	224	310	332	316	222	290	341.5	277.9	325.8	187.5	295.0	314.9	151.2	207.5	66.0	58.1
Appendix III																										
Boron	mg/L	N/A	1.41	0.8	0.6	0.6	0.53	0.47	0.5	0.46	0.45	-	ND	ND	1.14	-	1	0.81	0.585	0.689	0.72	0.426	0.559	0.558	0.493	0.526	0.559
Calcium	mg/L	N/A	745	742	838	931	925	818	899	872	811	-	881	756	658	-	822	728	867	812	846	876	718	920	831	725	689
Chloride	mg/L	N/A	1,750	2,070	2,470	2,610	2,550	2,550	2,520	2,640	2,790	-	2,560	2,500	1,640	-	2,650	1,810	2,300	2,150	2,300	2,440	2,280	2,370	2,380	2,370	2,140
Fluoride	mg/L	4	0.5	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	ND	ND	2.56	ND	0.622	ND	0.509	0.293J	0.563	0.295	0.268	0.191	<1.00	<1.00	<0.500	0.508
pH, Field	SU	N/A	5.25-6.32	5.68	5.39	5.26	5.03	4.84	4.96	4.76	4.55	4.66	4.43	3.96	3.87	4.95	4.14	4	4.52	4.49	4.60	4.36	4.47	4.35	4.78	5.01	4.78
Sulfate	mg/L	N/A	3,300	2,030	2,070	2,080	1,970	2,080	2,080	2,120	2,070	-	2,170	2,030	2,300	-	2,610	2,250	2,090	2,230	2,120	2,110	2,210	2,390	2,320	2,250	2,650
Total Dissolved Solids	mg/L	N/A	8,340	6,690	7,070	7,370	6,990	6,990	5,960	6,940	6,910	-	6,630	6,790	6,100	-	5,850	6,120	6,410	6,700	6,700	7,100	6,400	7,850	9,720	6,550	5,630
Appendix IV																										
Antimony	mg/L	0.006	0.00157	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	<0.000506	<0.000967	<0.000967	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.0303	ND	0.00552	ND	0.00918	0.00622	0.00643	0.00498	0.00551	0.00539	0.00446	0.00541	0.00465J	<0.00690	0.00510	0.00572
Barium	mg/L	2	0.19	0.39	0.04	0.06	0.14	0.03	0.06	0.03	0.06	ND	-	-	-	0.028	0.0261	0.0197	0.0497	0.017	0.0201	0.0197	0.0216	0.0205	0.0185J	0.0198	0.0149
Beryllium	mg/L	0.004	0.002	0.009	0.006	0.016	0.025	0.026	0.03	0.03	0.04	0.231	0.0475	0.0475	0.0713	0.0587	0.0587	0.0704	0.0461	0.0548	0.0525	0.0471	0.0568	0.0532	0.0449	0.0450	0.0613
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	ND	0.00689	0.0046	0.0041	0.00446	0.00109	0.00294	0.00179	0.000544J	0.00192	0.00140J	<0.00240	0.000497 J	0.00109 J
Chromium	mg/L	0.1	0.00248	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00280	<0.00560	0.00122 J	<0.000560
Cobalt	mg/L	0.006	0.00174	0.06	0.05	0.07	0.07	0.06	0.06	0.06	0.06	0.0571	0.0539	0.0645	0.19	0.0922	0.0933	0.116	0.0539	0.0788	0.0569	0.0478	0.0643	0.0574	0.0481	0.0413	0.0628
Lead	mg/L	0.015	0.0106	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	0.00219	0.00539	0.00304	0.00597	0.00227	0.00108	0.00107	0.000841J	0.000481J	0.000451J	<0.00184	<0.00367	<0.000367	<0.000367
Lithium	mg/L	0.04	1.69	0.87	0.84	1.07	1.03	0.86	0.9	0.95	0.67	4.9	0.751	0.77	0.597	0.579	0.739	0.564	0.752	0.593	0.805	0.711	0.809	0.481	0.154	0.787	0.687
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	-	-	-	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00199	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.000610	<0.00128	<0.00255	<0.000255	<0.000255
Radium-226/228	pCi/L	5.0	3.9	2.79	3.11	1.9	1.7	14.6	2.100	2.3	4.3	1.7	2.11	2.27	1.62	2.3	2.13	2.33	3.36	3.21	2.83	3.42	3.52	2.58	2.99	3.11	4.31
Selenium	mg/L	0.05	0.000739	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.025	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	0.0261	0.0297	0.0434	<0.000590
Thallium	mg/L	0.002	0.000472	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	ND	ND	0.00112	0.0013	ND	0.000516J	<0.000148	<0.000472	<0.000472	<0.000472	<0.000472	<0.000925	<0.00415	<0.000415	<0.000415

Notes:
BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

				SSP MW-3																						
Sample Location:																										
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring												
Sample Dates:				6/21/2016	8/23/2016	10/18/2016	12/20/2016	2/21/2017	5/4/2017	6/13/2017	8/24/2017	3/21/2018	6/11/2018	1/15/2019	6/27/2019	12/18/2019	6/17/2020	2/9/2021	7/13/2021	7/19/2022	12/13/2022	6/27/2023	11/14/2023	8/28/2024	12/12/2024	5/21/2025	11/13/2025
Constituent	Unit	MCL/HBL	Site BTV																							
Field Parameters																										
pH	SU	-	-	-	-	-	-	-	-	-	-	4.3	4.29	4.15	4.3	4.73	3.6	4.29	4.18	4.42	4.17	4.21	4.34	5.09	4.73	4.36	4.24
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	8,670	7,490	8,980	8,520	8,510	7,870	6,797	8,264	8,154	7,669	8,144	7,111	6,849	6,771	7,778	7,037
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	49.1	44.8	19.1	7.7	20.1	42.6	6.50	2.87	11.11	38.92	5.04	5.91	220.41	16.22	20.2	9.5
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0.09	0.67	17.22	0.42	1.99	3.99	0.06	0.03	0.57	0.30	0.13	0.32	1.60	0.54	3.10	0.39
Temperature	°C	-	-	-	-	-	-	-	-	-	-	21.91	28.11	20.45	26.99	22.81	25.61	17.5	23.3	23.9	22.7	24.3	22.4	25.2	21.9	25.4	27.2
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	282	323	323	272	299	331	301.3	274.4	193.4	80.7	222.0	256.8	113.9	209.0	218.1	297.1
Appendix III																										
Boron	mg/L	N/A	1.41	3.2	2.9	2.7	2.86	2.68	2.24	2.84	2.59	-	2.5	2.47	2.94	-	2.78	2.87	2.57	2.35	3.14	2.22	3.62	2.76	4.07	2.73	3.77
Calcium	mg/L	N/A	745	647	693	699	703	694	694	673	646	-	689	618	712	-	722	712	690	658	673	722	641	659	603	550	705
Chloride	mg/L	N/A	1,750	1,560	1,790	1,880	1,700	1,830	1,860	1,810	1,790	-	1,720	1,770	1,870	-	2,060	1,700	1,690	1,670	1,480	1,770	1,430	1,480	1,390	1,500	1,500
Fluoride	mg/L	4	0.5	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.8	ND	1.82	2.72	ND	0.551	ND	0.441J	0.466J	0.441	0.435	0.423	0.348	0.563J	<1.00	0.810 J	0.667
pH, Field	SU	N/A	5.25-6.32	4.4	4.3	4.31	4.16	4.45	4.34	4.16	4.20	4.26	4.29	4.15	4.25	4.73	3.6	4.29	4.18	4.42	4.17	4.21	4.34	5.09	4.73	4.36	4.24
Sulfate	mg/L	N/A	3,300	2,400	2,500	2,440	2,480	2,520	2,380	2,510	2,510	-	2,500	2,550	2,370	-	2,760	2,430	2,370	2,200	2,210	2,440	2,320	2,270	2,510	2,380	2,710
Total Dissolved Solids	mg/L	N/A	8,340	6,510	6,610	6,690	5,780	6,450	6,670	6,370	6,260	-	6,370	6,410	5,780	-	6,330	2,200	5,860	6,180	6,020	8,070	5,470	5,710	4,560	4,920	5,480
Appendix IV																										
Antimony	mg/L	0.006	0.00157	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	0.00128J	<0.000506	<0.000967	<0.000967	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	0.00655	ND	0.00314	0.00695	0.00831	0.0065	0.00636	0.00829	0.0065	0.00631	0.00670J	0.00714J	0.00713	0.00730
Barium	mg/L	2	0.19	0.03	0.05	0.04	0.09	0.03	0.03	0.02	0.03	ND	-	-	-	0.0192	0.0239	0.0218	0.0217	0.0221	0.0265	0.0251	0.022	0.0244	0.0184J	0.0212	0.0156
Beryllium	mg/L	0.004	0.002	0.122	0.118	0.12	0.121	0.121	0.12	0.116	0.113	0.139	0.11	0.101	0.107	0.0992	0.105	0.12	0.104	0.0904	0.116	0.0927	0.101	0.0904	0.0977	0.0985	0.0970
Cadmium	mg/L	0.005	0.000217	0.064	0.055	0.05	0.062	0.067	0.081	0.066	0.078	0.0686	0.0775	0.0877	0.0711	0.0788	0.0787	0.0736	0.0752	0.0698	0.0655	0.0829	0.0477	0.0589	0.0476	0.0506	0.0404
Chromium	mg/L	0.1	0.00248	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.0	0.00616	0.00575	0.0135	0.00235	0.00319	0.00221	<0.00153	0.00355J	<0.00560	0.00245 J	0.00151 J
Cobalt	mg/L	0.006	0.00174	0.64	0.56	0.58	0.59	0.62	0.62	0.56	0.58	0.506	0.58	0.621	0.524	0.35	0.558	0.584	0.566	0.495	0.511	0.561	0.445	0.445	0.461	0.447	0.428
Lead	mg/L	0.015	0.0106	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	0.00652	ND	0.00441	0.0044	0.00519	0.00545	0.00533	0.00468	0.0028	0.00582	0.00414	0.00292	0.00438J	0.00454J	0.00483	0.00411
Lithium	mg/L	0.04	1.69	0.72	0.64	0.75	0.73	0.66	0.61	0.67	0.53	0.644	0.526	0.514	0.587	0.549	0.662	0.593	0.589	0.511	0.622	0.568	0.533	0.289	0.350	0.579	0.450
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	-	-	-	ND	ND	0.000162J	<0.000130	0.000669	0.000461	0.00015J	0.000218	0.000469	<0.0000706	0.000213	0.000239
Molybdenum	mg/L	0.1	0.00199	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	<0.000610	0.000667J	0.0011J	<0.000610	0.00142J	<0.000610	<0.00128	<0.00255	0.000506 J	0.000613 J
Radium-226/228	pCi/L	5.0	3.9	24.5	49.8	24.7	37	27.8	23.2	28.4	32.2	30.8	29.2	35.4	33.4	34.3	32	40.2	34.2	27.3	36.6	31	31.3	29.0	34.0	40.1	35.3
Selenium	mg/L	0.05	0.000739	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	0.00676	ND	<0.00151	<0.00151	0.000859J	<0.000739	0.000792J	<0.000739	0.0221	0.0467	0.0486	<0.000590
Thallium	mg/L	0.002	0.000472	0.009	0.008	0.01	0.01	0.01	0.01	0.01	0.008	0.00982	0.0097	0.0112	0.0076	0.00961	0.0102	0.0101	0.00971	0.00795	0.0094	0.00974	0.00576	0.00778J	0.00760J	0.00818	0.00844

Notes:
BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

Sample Location:				SSP MW-4S							
Compliance Phase:				Background							
Sample Dates:				5/21/2025	7/18/2025	8/25/2025	10/13/2025	11/17/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	3.75	3.65	3.57	3.91	3.60			
Conductivity	µS/cm	-	-	5,266	5,587	5,542	5,589	4,946			
Turbidity	NTU	-	-	1.56	9.2	2.15	1.60	3.07			
Dissolved Oxygen	mg/L	-	-	0.25	0.67	0.41	0.54	0.17			
Temperature	°C	-	-	24.2	24.5	27.1	26.1	24.1			
Oxidation Reduction Potential	mV	-	-	159.6	-15.0	-64.7	64.1	309.5			
Appendix III											
Boron	mg/L	N/A	NE	8.30	11.4	11.0	10.5	10.5			
Calcium	mg/L	N/A	NE	374	500	520	560	550			
Chloride	mg/L	N/A	NE	488	488	473	478	525			
Fluoride	mg/L	4	NE	2.35 J	2.37 J	2.67	2.37	2.50			
pH, Field	SU	N/A	NE	3.75	3.65	3.57	3.91	3.60			
Sulfate	mg/L	N/A	NE	2,710	2,730	3,160	3,050	3,090			
Total Dissolved Solids	mg/L	N/A	NE	4,320	2,510	4,350	4,410	4,540			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.00375	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.0103	0.0104	0.0111	0.0110	0.0112			
Barium	mg/L	2	NE	0.0317	0.0282	0.0298	0.0308	0.0217			
Beryllium	mg/L	0.004	NE	0.0309	0.0276	0.0293	0.0272	0.0223			
Cadmium	mg/L	0.005	NE	0.00218	0.00224	0.00237	0.00228	0.00191 J			
Chromium	mg/L	0.1	NE	0.00141 J	0.000712 J	0.00109 J	0.00101 J	0.00160 J			
Cobalt	mg/L	0.006	NE	0.104	0.104	0.112	0.113	0.101			
Lead	mg/L	0.015	NE	0.0144	0.0150	0.0178	0.0173	0.0147			
Lithium	mg/L	0.04	NE	0.272	0.189	0.0713	0.224	0.176			
Mercury	mg/L	0.002	NE	0.000268	0.0000900 J	0.000162 J	0.000213	0.000155 J			
Molybdenum	mg/L	0.1	NE	<0.000255	<0.000255	<0.000255	<0.000255	<0.000255			
Radium-226/228	pCi/L	5.0	NE	12.1	14.9	13.7	14.4	12.2			
Selenium	mg/L	0.05	NE	0.0944	0.00165 J	0.00173 J	0.00160 J	0.0502			
Thallium	mg/L	0.002	NE	0.00351	0.00318	0.00375 J	0.00365	0.00314			

Notes:

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MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	SSP MW-5S (BACKGROUND/UPGRADIENT)							
			Compliance Phase:	Background							
			Sample Dates:	5/22/2025	7/17/2025	8/25/2025	10/13/2025	11/17/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	5.32	5.12	5.04	5.17	5.13			
Conductivity	µS/cm	-	-	7,539	7,505	7,154	7,520	6,486			
Turbidity	NTU	-	-	7.90	8.10	1.49	8.35	4.40			
Dissolved Oxygen	mg/L	-	-	0.17	0.65	0.33	0.22	0.21			
Temperature	°C	-	-	23.3	23.9	23.6	24.1	25.3			
Oxidation Reduction Potential	mV	-	-	-73.8	61.5	-71.1	78.9	118.4			
Appendix III											
Boron	mg/L	N/A	NE	0.256	0.205	0.198	0.219	0.223			
Calcium	mg/L	N/A	NE	474	417	468	470	416			
Chloride	mg/L	N/A	NE	1,950	1,980	1,920	2,040	2,080			
Fluoride	mg/L	4	NE	<1.00	<0.500	<0.500	0.106 J	<0.100			
pH, Field	SU	N/A	NE	5.32	5.12	5.04	5.17	5.13			
Sulfate	mg/L	N/A	NE	939	903	944	966	911			
Total Dissolved Solids	mg/L	N/A	NE	4,320	4,700	5,600	4,870	4,550			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.00375	<0.00375	<0.000750			
Arsenic	mg/L	0.01	NE	0.00317 J	0.0109	0.00776	0.00395 J	0.00268 J			
Barium	mg/L	2	NE	0.0325	0.0291	0.0289	0.0285	0.0235			
Beryllium	mg/L	0.004	NE	0.00199 J	0.00263	0.00253 J	0.00253 J	0.00197 J			
Cadmium	mg/L	0.005	NE	0.00160 J	0.00107 J	0.00130 J	0.00195 J	0.00165 J			
Chromium	mg/L	0.1	NE	<0.000560	<0.000560	<0.000560	<0.00280	<0.000560			
Cobalt	mg/L	0.006	NE	0.0390	0.0433	0.0377	0.0358	0.0315			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.00184	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.412	0.230	0.230	0.246	0.325			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.000438 J	<0.000255	0.000256 J	<0.00128	0.000267 J			
Radium-226/228	pCi/L	5.0	NE	3.14	3.26	3.87	2.53	3.20			
Selenium	mg/L	0.05	NE	<0.000590	<0.000590	<0.000590	<0.00295	<0.000590			
Thallium	mg/L	0.002	NE	0.000753 J	0.000829 J	<0.00208	0.00109 J	0.00114 J			

Notes:

BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	SSP MW-6S (BACKGROUND/UPGRADIENT)							
			Compliance Phase:	Background							
			Sample Dates:	6/2/2025	7/17/2025	8/25/2025	10/13/2025	11/17/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	5.32	5.33	5.08	5.20	5.01			
Conductivity	µS/cm	-	-	8,405	8,000	8,260	8,381	6,998			
Turbidity	NTU	-	-	8.73	8.97	6.61	7.92	4.67			
Dissolved Oxygen	mg/L	-	-	0.11	0.53	0.29	0.15	0.12			
Temperature	°C	-	-	24.1	25.9	24.0	22.7	23.8			
Oxidation Reduction Potential	mV	-	-	-47.9	3.3	-99.7	68.6	-224.3			
Appendix III											
Boron	mg/L	N/A	NE	0.354	0.392	0.399	0.360	0.384			
Calcium	mg/L	N/A	NE	615	555	660	695	654			
Chloride	mg/L	N/A	NE	1,560	1,400	1,460	1,580	1,770			
Fluoride	mg/L	4	NE	0.914 J	<0.500	<0.500	0.571	0.616			
pH, Field	SU	N/A	NE	5.32	5.33	5.08	5.20	5.01			
Sulfate	mg/L	N/A	NE	2,770	2,710	3,050	2,850	2,890			
Total Dissolved Solids	mg/L	N/A	NE	6,430	6,470	6,050	6,430	6,200			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.00375	<0.00375	<0.000750			
Arsenic	mg/L	0.01	NE	0.00146 J	0.00202 J	0.00203 J	<0.00345	0.00174 J			
Barium	mg/L	2	NE	0.0181	0.0167	0.0186 J	0.0181 J	0.0161			
Beryllium	mg/L	0.004	NE	0.0690	0.0418	0.0561	0.0689	0.0601			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.00120	<0.000240			
Chromium	mg/L	0.1	NE	<0.000560	<0.000560	<0.000560	<0.00280	<0.000560			
Cobalt	mg/L	0.006	NE	0.0126	0.00800	0.0109	0.0143	0.0137			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.00184	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.436	0.305	0.322	0.360	0.499			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	<0.000255	<0.000255	<0.000255	<0.00128	<0.000255			
Radium-226/228	pCi/L	5.0	NE	3.81	3.33	3.07	2.18	3.27			
Selenium	mg/L	0.05	NE	0.00400	<0.000590	<0.000590	<0.00295	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.00208	<0.000415	<0.000415			

Notes:

BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

SSP/APs CCR Units – Deep

Sample Location:				AP MW-1D																												
Compliance Phase:				Background									Initial A.M.		Assessment Monitoring																	
Sample Dates:				6/22/2016	8/24/2016	10/18/2016	12/21/2016	2/21/2017	5/4/2017	6/13/2017	8/24/2017		3/21/2018	6/13/2018	1/15/2019	6/25/2019	12/18/2019	6/17/2020	2/10/2021	7/12/2021	7/19/2022	12/13/2022	6/27/2023	11/14/2023	8/29/2024	12/12/2024	5/20/2025	7/21/2025	8/26/2025	10/14/2025	11/11/2025	11/18/2025
Constituent	Unit	MCL /HBL	Site BTV																													
Field Parameters																																
pH	SU	-	-	-	-	-	-	-	-	-	-		5.8	5.69	5.93	5.8	5.75	5.48	6.13	5.91	6.13	6.10	6.03	6.02	6.38	6.15	5.81	5.99	5.93	6.03	6.03	5.97
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-		1,960	1,960	1,690	1,950	1,910	1,970	1,453	1,613	1,585	1,328	1,330	1,283	1,072	1,168	1,215	1,283	1,287	1,299	1,257	1,162
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-		9.4	12.7	0.4	8.8	0	0	0.45	3.96	1.48	1.89	0.84	1.38	12.31	1.42	3.60	0.02	0.77	1.13	0.02	0.02
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-		0	1.1	0	0.61	0	0.31	0.00	0.03	0.45	0.23	5.18	0.26	1.48	0.26	0.20	0.48	0.71	0.42	0.18	0.12
Temperature	°C	-	-	-	-	-	-	-	-	-	-		20.93	26.43	19.96	26.6	19.28	24.52	20.1	22.3	25.1	22.6	23.8	22.3	23.1	21.7	23.7	24.7	24.5	24.7	22.8	23.1
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-		94	143	138	180	137	141	135.2	106.5	177.9	177.5	211.9	210.9	90.0	209.5	-23.4	-49.3	-61.4	48.0	176.0	49.5
Appendix III																																
Boron	mg/L	N/A	1.41	4.9	4.81	4.62	4.8	4.88	4.72	4.59	4.28		-	5.67	4.35	4.84	-	4.46	6.27	5.15	5.19	5.63	5.32	4.83	4.14	4.50	4.63	4.38	4.37	4.12	4.26	3.85
Calcium	mg/L	N/A	745	88	78	77	77	77	74	71	70		-	76.1	81.4	93.3	-	108	96.5	77.1	93.9	83.7	74.6	73.3	50.1	54.6	55.5	50.9	52.3	51.8	53.7	48.8
Chloride	mg/L	N/A	1,750	227	221	233	229	228	227	229	227		-	191	197	178	-	201	151	141	129	120	116	113	74.3	88.8	789	78.1	76.3	80.1	80.6	81.2
Fluoride	mg/L	4	0.5	0.6	0.7	0.6	0.6	0.7	0.7	0.6	0.8		ND	ND	0.904	0.532	0.529	0.626	0.606	0.764	0.801	0.869	0.931	0.868	1.13	0.744	7.53	1.00	<1.00	0.744	0.993	0.856
pH, Field	SU	N/A	5.25-6.32	5.4	5.69	6	6.1	6.1	5.94	5.62	5.74		5.81	5.69	5.93	5.8	5.75	5.48	6.13	5.91	6.13	6.10	6.03	6.02	6.38	6.15	5.81	5.99	5.93	6.03	6.03	5.97
Sulfate	mg/L	N/A	3,300	664	621	590	546	543	527	525	517		-	523	532	511	-	552	456	430	431	422	422	362	288	366	3,980	373	402	384	385	370
Total Dissolved Solids	mg/L	N/A	8,340	1,490	1,440	1,410	1,360	1,310	1,240	1,310	1,270		-	1,360	1,350	1,410	-	1,400	1,250	1,140	1,150	1,110	1,090	998	943	1,060	837	615	1,010	807	1,110	812
Appendix IV																																
Antimony	mg/L	0.006	0.00157	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006		ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	<0.000506	<0.000967	0.00168J	<0.00375	<0.00375	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.01	<0.01	0.01	0.01	<0.01	0.01	0.01	<0.01	0.01		0.00935	0.00861	0.00884	0.00912	0.00756	0.00818	0.00953	0.00898	0.0101	0.00949	0.0121	0.0121	0.0140J	0.0121J	0.0118	0.0116	0.0115	0.0103	0.0112	0.0103
Barium	mg/L	2	0.19	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01		ND	-	-	-	0	0	0.0137	0.0137	0.0138	0.0129	0.0127	0.0131	0.0134J	0.0108J	0.0110	0.0103	0.0113	0.0111	0.0102	0.0115
Beryllium	mg/L	0.004	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		ND	ND	ND	ND	ND	ND	<0.000182	<0.000182	<0.000274	<0.000274	<0.000274	<0.000274	<0.00136	<0.00136	<0.000271	<0.000271	<0.000271	<0.000271	<0.000271	<0.000271
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		ND	ND	ND	ND	ND	ND	0.000408J	0.000343J	0.000498J	0.00034J	0.000358J	0.000224J	<0.00120	<0.00120	0.000264 J	<0.000240	0.000266 J	<0.000240	<0.000240	<0.000240
Chromium	mg/L	0.1	0.00248	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		ND	-	-	-	ND	ND	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00280	<0.00280	<0.000560	<0.000560	<0.000560	<0.000560	<0.000560	<0.000560
Cobalt	mg/L	0.006	0.00174	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		0.0106	0.0129	0.0164	0.0143	0.0146	0.0163	0.0139	0.0177	0.0154	0.00996	0.01	0.00998	<0.00178	0.00898J	0.00785	0.00681	0.00743	0.00674	0.00703	0.00797
Lead	mg/L	0.015	0.0106	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		ND	-	-	-	ND	ND	<0.000128	0.000256J	<0.000167	<0.000167	<0.000376	<0.000376	<0.00184	<0.00184	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367
Lithium	mg/L	0.04	1.69	0.07	0.04	0.05	0.08	0.04	0.03	0.04	0.01		ND	ND	ND	0.0328	0.0346	0.0327	0.027	0.0242	0.0243	0.0233	0.0193	0.0218	<0.0174	<0.0174	0.0484	0.119	0.0357 J	0.0197 J	0.0280 J	0.0254 J
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		ND	ND	ND	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00199	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		0.0	0.0144	0.0174	0.0177	0.0157	0.0201	0.0283	0.0304	0.0327	0.0302	0.0332	0.0337	0.0352	0.0337	0.0361	0.0316	0.0340	0.0308	0.0319	0.0325
Radium-226/228	pCi/L	5.0	3.9	2.07	3.83	2.8	2.5	0.6	2.5	0.7	1.8		0.971	1.72	1.71	1.66	2.5	1.86	1.100	2.69	1.17	0.918	1.07	0.706	0.769	1.67	1.03	0.810 U	0.652	1.29	1.34	1.17
Selenium	mg/L	0.05	0.000739	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		ND	-	-	-	ND	ND	0.00154J	0.00164J	0.00236J	0.00158J	0.00179J	0.00167J	<0.00295	<0.00295	0.00130 J	0.00141 J	0.00139 J	0.00108 J	0.00132 J	0.00140 J
Thallium	mg/L	0.002	0.000472	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		ND	-	-	-	ND	ND	0.000310J	0.000636J	<0.000472	<0.000472	<0.000472	<0.000472	<0.000925	<0.00208	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415

Notes:
BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	AP MW-3D							
			Compliance Phase:	Background							
			Sample Dates:	6/2/2025	7/17/2025	8/28/2025	10/14/2025	11/18/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	5.49	5.56	5.28	5.27	5.22			
Conductivity	µS/cm	-	-	2,283	2,320	2,316	2,250	2,086			
Turbidity	NTU	-	-	28.6	4.10	18.6	9.42	6.38			
Dissolved Oxygen	mg/L	-	-	0.43	0.29	0.14	0.19	0.36			
Temperature	°C	-	-	27.7	29.8	25.3	27.5	24.7			
Oxidation Reduction Potential	mV	-	-	23.9	-30.0	-39.8	5.9	54.2			
Appendix III											
Boron	mg/L	N/A	NE	1.56	1.11	1.60	1.53	1.50			
Calcium	mg/L	N/A	NE	197	134	228	192	192			
Chloride	mg/L	N/A	NE	235	232	230	233	250			
Fluoride	mg/L	4	NE	<0.100	<0.100	<0.100	<0.100	<0.100			
pH, Field	SU	N/A	NE	5.49	5.56	5.28	5.27	5.22			
Sulfate	mg/L	N/A	NE	887	805	908	905	713			
Total Dissolved Solids	mg/L	N/A	NE	1,770	1,610	1,830	1,660	1,470			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00711	0.00967	0.00831	0.0107	0.00667			
Barium	mg/L	2	NE	0.0417	0.0497	0.0337	0.0308	0.0321			
Beryllium	mg/L	0.004	NE	0.000889 J	0.00156 J	0.00123 J	0.00125 J	0.00131 J			
Cadmium	mg/L	0.005	NE	0.000398 J	0.000574 J	0.000392 J	0.000341 J	0.000472 J			
Chromium	mg/L	0.1	NE	0.00136 J	0.00158 J	0.000892 J	0.000933 J	0.00100 J			
Cobalt	mg/L	0.006	NE	0.0374	0.0335	0.0318	0.0322	0.0314			
Lead	mg/L	0.015	NE	0.00153 J	0.00357	0.000670 J	<0.000367	0.000833 J			
Lithium	mg/L	0.04	NE	0.160	0.114	0.0795	0.100	0.111			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.00111 J	0.00132 J	0.000861	0.00105 J	0.000866 J			
Radium-226/228	pCi/L	5.0	NE	2.64	2.14	2.10	1.81	2.15			
Selenium	mg/L	0.05	NE	0.00316	0.00159 J	0.00150 J	0.000913 J	0.00169 J			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415			

Notes:

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mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

Sample Location:				AP MW-4																						
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring												
Sample Dates:				6/22/2016	8/24/2016	10/18/2016	12/21/2016	2/21/2017	5/4/2017	6/12/2017	8/24/2017	3/21/2018	6/13/2018	1/15/2019	6/27/2019	12/18/2019	6/17/2020	2/10/2021	7/13/2021	7/19/2022	12/13/2022	6/27/2023	11/14/2023	8/30/2024	12/12/2024	5/20/2025	11/11/2025
Constituent	Unit	MCL/HBL	Site BTV																							
Field Parameters																										
pH	SU	-	-	-	-	-	-	-	-	-	-	5.6	5.58	5.76	5.7	5.71	5.28	5.74	5.48	6.10	5.85	6.04	5.54	6.63	5.71	5.59	5.58
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	4,930	4,840	4,900	4,760	4,430	4,540	3,923	4,743	2,051	2,319	1,662	4,394	1,814	4,351	4,857	4,425
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	0	28.7	1.4	0	0	1.5	1.72	2.26	3.03	3.51	1.37	20.07	104.71	1.34	1.48	1.51
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0	0.56	0	3.98	0	0.04	0.00	0.19	0.48	0.21	4.06	0.21	5.03	0.25	0.08	0.16
Temperature	°C	-	-	-	-	-	-	-	-	-	-	24.06	28.91	17.59	24.35	18.23	25.97	17.1	21.3	24.6	21.4	23.3	21.3	22.8	21.1	23.2	21.9
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	110	128	81	138	44	141	148.9	135.7	162.3	18.2	179.8	96.9	88.4	207.2	-39.4	24.8
Appendix III																										
Boron	mg/L	N/A	1.41	2	2.1	2.1	2.11	1.89	2.07	1.95	1.96	-	2.39	2.17	2.45	-	2.18	2.58	2.41	0.566	0.677	1.31	2.46	1.13	2.63	2.67	2.65
Calcium	mg/L	N/A	745	497	497	538	551	488	532	519	489	-	416	451	498	-	523	533	499	545	204	109	502	400	457	500	535
Chloride	mg/L	N/A	1,750	485	485	511	507	503	505	526	543	-	427	465	435	-	472	436	434	524	191	50.7	435	1,050	446	461	429
Fluoride	mg/L	4	0.5	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	ND	ND	ND	ND	ND	<0.130	0.0996J	0.0488J	0.0719J	0.0556J	0.0603J	<0.500	<0.500	<0.500	<0.100
pH, Field	SU	N/A	5.25-6.32	5.79	5.49	5.69	5.45	5.62	5.71	5.48	5.47	5.62	5.58	5.76	5.69	5.71	5.28	5.74	5.48	6.10	5.85	6.04	5.54	6.63	5.71	5.59	5.58
Sulfate	mg/L	N/A	3,300	2,210	2,310	2,290	2,250	2,290	2,330	2,380	2,500	-	2,110	2,250	2,140	-	2,190	2,050	2,380	1,530	876	707	2,160	1,080	2,280	2,090	2,490
Total Dissolved Solids	mg/L	N/A	8,340	4,130	4,140	4,150	4,120	4,130	3,930	4,130	4,000	-	4,270	4,010	4,080	-	3,780	4,040	4,200	3,370	1,790	1,270	3,970	3,040	4,400	4,000	3,640
Appendix IV																										
Antimony	mg/L	0.006	0.00157	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	<0.000378	<0.000506	<0.000506	<0.000967	0.0013J	<0.00375	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	ND	ND	ND	ND	0.000628J	<0.000313	0.00226	0.00156	0.00117	<0.000282	<0.00345	<0.00690	<0.000690	<0.000690
Barium	mg/L	2	0.19	0.02	0.03	0.02	0.02	0.01	0.01	0.01	0.02	ND	-	-	-	0.0137	0.0155	0.0144	0.0135	0.0302	0.0197	0.0149	0.023	0.0207	0.0183J	0.0182	0.0176
Beryllium	mg/L	0.004	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	0.000436J	0.000204J	<0.000274	<0.000274	<0.000274	0.000307J	<0.00136	<0.00271	0.000378 J	0.000334 J
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	ND	ND	ND	ND	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.00120	<0.00240	<0.000240	<0.000240
Chromium	mg/L	0.1	0.00248	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	0.0793	<0.00560	<0.000560	<0.000560
Cobalt	mg/L	0.006	0.00174	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	0.00109	ND	ND	<0.000134	<0.000134	0.00107	0.00286	0.00117	<0.000261	<0.00178	<0.00355	<0.000355	<0.000355
Lead	mg/L	0.015	0.0106	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	0.000276J	<0.000128	0.000338J	<0.000167	<0.000376	<0.000376	<0.00184	<0.00367	<0.000367	<0.000367
Lithium	mg/L	0.04	1.69	0.96	0.92	1.09	1.03	0.87	0.93	0.95	0.85	0.766	0.661	0.8	0.781	0.72	0.959	0.875	0.808	0.317	0.277	0.18	0.827	0.749	0.517	1.01	0.882
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00199	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	ND	ND	ND	ND	ND	<0.000610	<0.000610	0.000686J	0.000944J	0.000987J	<0.000610	0.0366	<0.00255	<0.000255	<0.000255
Radium-226/228	pCi/L	5.0	3.9	1.98	3.67	2.3	3	1.2	2.4	2.2	2.6	0.678	1.13	0.759	1.26	1.27	1.11	1.720	1.07	0.791	0.743	0.21	0.956	1.64	1.20	1.72	2.28
Selenium	mg/L	0.05	0.000739	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	<0.00295	<0.00590	<0.000590	<0.000590
Thallium	mg/L	0.002	0.000472	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	-	-	-	ND	ND	0.000172J	<0.000148	<0.000472	<0.000472	<0.000472	<0.000472	<0.000925	<0.00415	<0.000415	<0.000415

Notes:
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mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
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µS/cm - micro Siemens per centimeter
-- - not analyzed.
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			Sample Location:	AP MW-5D							
			Compliance Phase:	Background							
			Sample Dates:	6/2/2025	7/21/2025	8/25/2025	10/14/2025	11/18/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	3.89	4.12	3.87	3.86	3.90			
Conductivity	µS/cm	-	-	8,442	8,350	8,489	8,468	7,851			
Turbidity	NTU	-	-	9.38	8.23	23.1	3.52	8.44			
Dissolved Oxygen	mg/L	-	-	0.29	1.10	0.36	0.38	0.32			
Temperature	°C	-	-	25.1	26.8	28.1	25.6	24.5			
Oxidation Reduction Potential	mV	-	-	155.1	102.4	88.4	62.4	188.5			
Appendix III											
Boron	mg/L	N/A	NE	1.29	1.35	1.42	1.21	1.15			
Calcium	mg/L	N/A	NE	540	550	635	520	640			
Chloride	mg/L	N/A	NE	1,470	1,570	1,460	1,580	1,730			
Fluoride	mg/L	4	NE	3.85	3.67	3.07	3.50	3.60			
pH, Field	SU	N/A	NE	3.89	4.12	3.87	3.86	3.90			
Sulfate	mg/L	N/A	NE	2,920	2,910	3,250	3,190	3,120			
Total Dissolved Solids	mg/L	N/A	NE	5,340	6,640	6,480	4,340	6,200			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.00375	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.0102	0.0121	0.0119	0.0129	0.0137			
Barium	mg/L	2	NE	0.0157	0.0101	0.0151 J	0.0154	0.0120			
Beryllium	mg/L	0.004	NE	0.108	0.156	0.135	0.145	0.130			
Cadmium	mg/L	0.005	NE	0.00255	0.00253	0.00238	0.00271	0.00252			
Chromium	mg/L	0.1	NE	0.000961 J	0.000598 J	0.000666 J	0.00172 J	0.000633 J			
Cobalt	mg/L	0.006	NE	0.574	0.0528	0.0602	0.0619	0.0475			
Lead	mg/L	0.015	NE	0.000653 J	<0.00184	<0.00184	0.000643 J	0.000652 J			
Lithium	mg/L	0.04	NE	1.06	0.961	0.951	0.974	1.00			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	<0.000255	<0.000255	<0.000255	<0.000255	<0.000255			
Radium-226/228	pCi/L	5.0	NE	5.38	4.61	7.63	4.63	5.88			
Selenium	mg/L	0.05	NE	0.126	<0.00295	<0.00295	<0.000590	0.0774			
Thallium	mg/L	0.002	NE	0.000606 J	<0.00208	<0.00208	0.000727 J	0.000722 J			

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mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
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			Sample Location:	AP MW-7D							
			Compliance Phase:	Background							
			Sample Dates:	6/2/2025	7/18/2025	8/25/2025	10/16/2025	11/20/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.96	6.94	6.81	6.88	6.89			
Conductivity	µS/cm	-	-	4,890	5,190	5,158	5,159	4,649			
Turbidity	NTU	-	-	6.17	8.25	8.37	1.02	6.72			
Dissolved Oxygen	mg/L	-	-	0.30	2.04	0.33	0.25	0.70			
Temperature	°C	-	-	26.5	26.1	29.7	21.7	25.3			
Oxidation Reduction Potential	mV	-	-	-176.7	-61.8	-102.2	-156.8	-33.2			
Appendix III											
Boron	mg/L	N/A	NE	0.987	0.953	0.901	0.955	0.879			
Calcium	mg/L	N/A	NE	384	345	341	378	341			
Chloride	mg/L	N/A	NE	953	951	957	1030	1,050			
Fluoride	mg/L	4	NE	0.555 J	<0.500	<0.500	<0.100	0.137 J			
pH, Field	SU	N/A	NE	6.96	6.94	6.81	6.88	6.89			
Sulfate	mg/L	N/A	NE	1,080	1,110	1,180	1,260	1,190			
Total Dissolved Solids	mg/L	N/A	NE	86,400	3,700	3,870	3,070	3,120			
Appendix IV											
Antimony	mg/L	0.006	NE	0.000882 J	<0.000750	<0.00375	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.0373	0.0216	0.0224	0.00970	0.0136			
Barium	mg/L	2	NE	0.0656	0.0582	0.0607	0.0518	0.0490			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.00136	<0.000271	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.00120	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	<0.000560	<0.000560	<0.00280	0.00232 J	<0.000560			
Cobalt	mg/L	0.006	NE	0.00719	0.00645	0.00584 J	0.00399	0.00266			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.00184	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.545	0.405	0.399	0.404	0.390			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.0188	0.0162	0.0159	0.0124	0.0104			
Radium-226/228	pCi/L	5.0	NE	2.20	1.62	1.98	1.63	1.80			
Selenium	mg/L	0.05	NE	<0.000590	<0.000590	<0.00295	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.00208	<0.000415	<0.000415			

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mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
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			Sample Location:	AP PZ-4							
			Compliance Phase:	Background							
			Sample Dates:	5/22/2025	7/21/2025	8/25/2025	10/14/2025	11/18/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	7.70	8.58	8.56	8.76	8.73			
Conductivity	µS/cm	-	-	6,813	7,250	7,306	7,247	6,768			
Turbidity	NTU	-	-	8.51	3.53	5.30	0.94	4.60			
Dissolved Oxygen	mg/L	-	-	2.21	1.41	0.41	0.55	0.39			
Temperature	°C	-	-	26.8	23.7	27.0	24.8	27.2			
Oxidation Reduction Potential	mV	-	-	112.5	-71.2	-89.8	48.2	15.8			
Appendix III											
Boron	mg/L	N/A	NE	0.924	0.518	0.402	0.294	0.375			
Calcium	mg/L	N/A	NE	525	499	555	885	475			
Chloride	mg/L	N/A	NE	2,170	1,860	2,300	2,450	2,430			
Fluoride	mg/L	4	NE	<1.00	<0.500	<0.500	<0.100	<0.100			
pH, Field	SU	N/A	NE	7.70	8.58	8.56	8.76	8.73			
Sulfate	mg/L	N/A	NE	200	98.5	107	115	112			
Total Dissolved Solids	mg/L	N/A	NE	3,960	4,030	4,280	4,720	4,040			
Appendix IV											
Antimony	mg/L	0.006	NE	0.000942 J	<0.000750	0.00772 J	<0.000750	0.00152 J			
Arsenic	mg/L	0.01	NE	0.00107 J	0.00106 J	<0.00345	0.00595	0.000942 J			
Barium	mg/L	2	NE	0.152	0.165	0.252	0.0271	0.220			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.00136	0.00536	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.00120	0.00436	<0.000240			
Chromium	mg/L	0.1	NE	0.00272 J	0.000745 J	<0.00280	<0.000560	0.000986 J			
Cobalt	mg/L	0.006	NE	<0.000355	<0.000355	<0.00178	0.0433	<0.000355			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.00184	0.000613 J	<0.000367			
Lithium	mg/L	0.04	NE	0.746	0.207	0.457	0.713	0.547			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.00312	0.00225	0.00284 J	0.000419 J	0.00114 J			
Radium-226/228	pCi/L	5.0	NE	4.67	2.33	2.57	2.62	2.87			
Selenium	mg/L	0.05	NE	<0.000590	<0.000590	<0.00295	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.00208	0.00177 J	<0.000415			

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NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

			Sample Location:	SSP MW-2D							
			Compliance Phase:	Background							
			Sample Dates:	6/2/2025	7/17/2025	8/26/2025	10/13/2025	11/17/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.07	6.02	5.77	5.85	5.80			
Conductivity	µS/cm	-	-	10,166	10,100	10,131	10,248	9,023			
Turbidity	NTU	-	-	74.9	79.4	50.1	8.53	6.25			
Dissolved Oxygen	mg/L	-	-	0.11	0.47	0.17	0.43	0.12			
Temperature	°C	-	-	25.5	26.8	23.9	25.8	23.0			
Oxidation Reduction Potential	mV	-	-	-245.6	-179.9	-200.7	-75.8	-237.3			
Appendix III											
Boron	mg/L	N/A	NE	0.503	0.454	0.499	0.493	0.524			
Calcium	mg/L	N/A	NE	755	690	895	875	900			
Chloride	mg/L	N/A	NE	2,480	2,560	2,540	2,630	2,710			
Fluoride	mg/L	4	NE	<0.500	<1.00	<1.00	<0.100	<1.00			
pH, Field	SU	N/A	NE	6.07	6.02	5.77	5.85	5.80			
Sulfate	mg/L	N/A	NE	2,030	2,090	2,220	2,210	2,150			
Total Dissolved Solids	mg/L	N/A	NE	6,690	6,380	6,430	7,400	6,000			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.00375	<0.000750			
Arsenic	mg/L	0.01	NE	0.00245 J	0.00205 J	0.00173 J	<0.00345	0.000775 J			
Barium	mg/L	2	NE	0.0418	0.0314	0.0293	0.0235	0.0178			
Beryllium	mg/L	0.004	NE	0.000366 J	0.000443 J	0.000420 J	<0.00136	0.000287 J			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.00120	<0.000240			
Chromium	mg/L	0.1	NE	0.00148 J	0.000992 J	0.000968 J	<0.00280	0.000619 J			
Cobalt	mg/L	0.006	NE	0.00131 J	0.000941 J	0.000554 J	<0.00178	<0.000355			
Lead	mg/L	0.015	NE	0.00134 J	0.000987 J	0.000647 J	<0.00184	<0.000367			
Lithium	mg/L	0.04	NE	0.663	0.349	0.534	0.521	0.680			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.000333 J	0.000369 J	<0.000255	<0.00128	<0.000255			
Radium-226/228	pCi/L	5.0	NE	3.67	2.42	3.35	2.22	2.02			
Selenium	mg/L	0.05	NE	0.00199 J	<0.000590	<0.000590	<0.00295	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.00208	<0.000415			

Notes:

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mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
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			Sample Location:	SSP MW-3D							
			Compliance Phase:	Background							
			Sample Dates:	6/3/2025	7/18/2025	8/26/2025	10/13/2025	11/17/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	4.91	4.99	4.71	4.74	4.76			
Conductivity	µS/cm	-	-	7,444	7,450	7,543	7,572	6,612			
Turbidity	NTU	-	-	9.97	6.19	7.79	9.6	9.16			
Dissolved Oxygen	mg/L	-	-	0.78	1.06	0.17	0.79	2.79			
Temperature	°C	-	-	24.9	23.7	24.4	28.3	24.0			
Oxidation Reduction Potential	mV	-	-	102.6	-39.1	42.1	145.8	189.4			
Appendix III											
Boron	mg/L	N/A	NE	3.46	3.14	3.96	3.54	3.31			
Calcium	mg/L	N/A	NE	605	535	725	765	587			
Chloride	mg/L	N/A	NE	1,410	1,400	1,420	1,500	1,490			
Fluoride	mg/L	4	NE	0.641 J	<0.500	<0.500	0.216 J	0.217 J			
pH, Field	SU	N/A	NE	4.91	4.99	4.71	4.74	4.76			
Sulfate	mg/L	N/A	NE	2,250	2,300	2,430	2,490	2,400			
Total Dissolved Solids	mg/L	N/A	NE	6,240	5,620	5,640	5,730	5,010			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.00375	<0.000750			
Arsenic	mg/L	0.01	NE	0.00874	0.00887	0.00731	0.00894 J	0.00589			
Barium	mg/L	2	NE	0.0369	0.0309	0.0246	0.0271	0.0200			
Beryllium	mg/L	0.004	NE	0.00952	0.00907	0.00918	0.00943 J	0.00655			
Cadmium	mg/L	0.005	NE	0.000854 J	0.00143 J	0.00230	0.00374 J	0.00331			
Chromium	mg/L	0.1	NE	0.00179 J	0.00161 J	0.00109 J	<0.00280	0.00149 J			
Cobalt	mg/L	0.006	NE	0.161	0.158	0.162	0.186	0.142			
Lead	mg/L	0.015	NE	0.000649 J	0.000900 J	<0.000367	0.000511 J	0.000474 J			
Lithium	mg/L	0.04	NE	0.549	0.366	0.244	0.462	0.540			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.000342 J	0.000369 J	<0.000255	<0.00128	0.000357 J			
Radium-226/228	pCi/L	5.0	NE	6.44	6.58	3.37	4.67	6.12			
Selenium	mg/L	0.05	NE	0.00826	<0.000590	<0.000590	<0.00295	<0.000590			
Thallium	mg/L	0.002	NE	0.000881 J	0.000877 J	0.00103 J	0.00128 J	0.00112 J			

Notes:

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mg/L - milligrams per liter.
mV - milli Volt
NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

Sample Location:				SSP MW-4																						
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring												
Sample Dates:				6/21/2016	8/23/2016	10/18/2016	12/20/2016	2/21/2017	5/4/2014	6/14/2017	8/24/2017	3/21/2018	6/11/2018	1/15/2019	6/27/2019	12/18/2019	6/17/2020	2/10/2021	7/13/2021	7/20/2022	12/12/2022	6/27/2023	11/14/2023	8/28/2024	12/12/2024	5/21/2025	11/13/2025
Constituent	Unit	MCL/HBL	Site BTV																							
Field Parameters																										
pH	SU	-	-	-	-	-	-	-	-	-	-	6.3	6.12	6.35	6.2	6.61	5.67	6.63	11.96	6.29	6.31	6.09	6.04	6.10	6.16	6.15	6.08
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	5,690	5,390	5,710	5,660	5,640	5,260	4,313	4,917	5,551	5,401	5,249	5,351	5,349	5,154	5,559	5,435
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	38.5	38.6	12.8	5.2	35.1	0	7.07	2.79	4.73	0.98	3.70	3.61	120.18	1.24	1.15	8.07
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0.14	0.72	2.19	0.71	0.41	2.45	0.22	0.63	0.49	0.29	0.24	0.48	2.61	0.48	2.75	0.91
Temperature	°C	-	-	-	-	-	-	-	-	-	-	23.64	27.83	19.92	25.63	22.52	25.55	18.4	23.2	23.8	22.8	23.3	22.3	23.9	22.3	26.4	27.9
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	-25	5	32	139	81	41	18.5	-122.7	130.3	-77.8	-33.3	-50.0	120.4	209.4	119.1	18.1
Appendix III																										
Boron	mg/L	N/A	1.41	1.3	1.3	1.31	1.28	1.24	1.47	1.31	1.15	-	1.35	ND	1.51	-	1.17	1.12	0.102	1.39	1.16	1.02	0.903	2.19	1.35	1.27	1.37
Calcium	mg/L	N/A	745	399	395	413	413	390	455	413	365	-	408	371	414	-	403	398	389	428	428	264	276	555	411	449	445
Chloride	mg/L	N/A	1,750	1,120	1,110	1,240	1,170	1,180	1,120	1,190	1,190	-	1,090	1,150	1,120	-	1,350	990	378	1,140	1,110	696	843	420	1,150	1,160	1,270
Fluoride	mg/L	4	0.5	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	ND	2.84	ND	ND	ND	<0.130	0.227J	0.103J	0.0585J	<0.0650	0.0444J	<0.500	<0.500	<0.500	<0.100
pH, Field	SU	N/A	5.25-6.32	6.38	6.12	6.26	5.78	5.95	6.26	6.26	6.05	6.26	6.12	6.35	6.15	6.61	5.67	6.63	11.96	6.29	6.31	6.09	6.04	6.10	6.16	6.15	6.08
Sulfate	mg/L	N/A	3,300	1,190	1,140	1,210	1,140	1,240	1,180	1,200	1,170	-	1,220	1,170	1,060	-	1,340	982	82	1,090	1,080	592	700	2,220	1,250	1,140	1,320
Total Dissolved Solids	mg/L	N/A	8,340	3,940	3,880	3,930	3,850	3,890	3,390	3,660	3,630	-	3,870	3,790	4,040	-	3,880	2,890	3,080	3,740	3,660	2,470	2,910	3,870	5,700	3,300	3,560
Appendix IV																										
Antimony	mg/L	0.006	0.00157	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	<0.000378	0.000415J	<0.000506	<0.000506	<0.000967	0.00136J	<0.00375	<0.00375	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	0.00203	ND	ND	0.00103	0.000941J	0.000344J	0.00084J	0.000497J	0.000811J	<0.000282	<0.00345	<0.00345	<0.000690	<0.000690
Barium	mg/L	2	0.19	0.06	0.04	0.03	0.05	0.03	0.03	0.02	0.02	ND	-	-	-	0.0203	0.0273	0.027	0.103	0.0204	0.0212	0.025	0.0184	0.0271	0.0195J	0.0164	0.0171
Beryllium	mg/L	0.004	0.002	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND	ND	<0.000182	<0.000182	<0.000274	<0.000274	<0.000274	<0.000274	<0.00136	<0.00136	<0.000271	<0.000271
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	ND	ND	ND	ND	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.00120	<0.00120	<0.000240	<0.000240
Chromium	mg/L	0.1	0.00248	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	0.00762	0.00259	0.176	0.00284	0.00493	0.337	0.233	<0.00280	0.0111J	0.00372 J	0.00198 J
Cobalt	mg/L	0.006	0.00174	<0.02	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	ND	ND	ND	0.000336J	<0.000134	<0.000261	0.000289J	<0.000261	<0.000261	<0.00178	<0.00178	<0.000355	<0.000355
Lead	mg/L	0.015	0.0106	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	ND	ND	ND	ND	0.000161J	0.000276J	0.000234J	<0.000167	<0.000376	<0.000376	<0.00184	<0.00184	<0.000367	<0.00184
Lithium	mg/L	0.04	1.69	0.94	0.87	1.02	1	0.87	0.87	0.95	0.78	1.01	0.81	0.858	0.919	0.706	0.911	0.727	0.146	0.767	0.875	0.402	0.542	0.757	0.772	0.924	0.920
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	-	-	-	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00199	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	0.00321J	0.0629	0.000864J	0.00594	0.202	0.108	<0.00128	0.0118	0.000427 J	0.000813 J
Radium-226/228	pCi/L	5.0	3.9	5.38	6.82	2.3	3	3.5	4.4	3.2	2.7	3.19	2.77	2.82	2.02	3.07	2.6	1.62	1.46	2.68	3.08	1.69	2.56	0.0164	4.74	3.08	4.92
Selenium	mg/L	0.05	0.000739	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00151	0.00441J	<0.000739	<0.000739	0.00711	0.00456J	<0.00295	<0.00295	<0.000590	<0.000590
Thallium	mg/L	0.002	0.000472	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	ND	ND	ND	ND	ND	<0.000148	<0.000148	<0.000472	<0.000472	<0.000472	<0.000472	<0.000925	<0.00208	<0.000415	<0.00208

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-- - not analyzed.
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			Sample Location:	SSP MW-5D (BACKGROUND/UPGRADIENT)							
			Compliance Phase:	Background							
			Sample Dates:	6/3/2025	7/17/2025	8/28/2025	10/13/2025	11/17/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.82	6.93	6.78	6.82	6.86			
Conductivity	µS/cm	-	-	4,258	4,626	4,890	7,520	4,394			
Turbidity	NTU	-	-	37.9	5.91	73.8	8.91	17.2			
Dissolved Oxygen	mg/L	-	-	0.27	0.36	0.30	0.22	0.44			
Temperature	°C	-	-	24.5	24.7	26.1	25.8	23.2			
Oxidation Reduction Potential	mV	-	-	-223.1	-195.7	-231.2	-207.2	-240.3			
Appendix III											
Boron	mg/L	N/A	NE	0.527	0.482	0.412	0.535	0.571			
Calcium	mg/L	N/A	NE	210	186	190	219	228			
Chloride	mg/L	N/A	NE	1,260	1,300	1,310	1,360	1,280			
Fluoride	mg/L	4	NE	0.542 J	<0.500	<0.500	0.147 J	<0.100			
pH, Field	SU	N/A	NE	6.82	6.93	6.78	6.82	6.86			
Sulfate	mg/L	N/A	NE	232	216	237	226	225			
Total Dissolved Solids	mg/L	N/A	NE	2,750	2,760	3,620	2,570	2,910			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.000750	<0.000750			
Arsenic	mg/L	0.01	NE	0.00122 J	0.000837 J	0.00100 J	<0.000690	<0.000690			
Barium	mg/L	2	NE	0.0489	0.0452	0.0483	0.0470	0.0400			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.000271	<0.000271	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240			
Chromium	mg/L	0.1	NE	0.00112 J	<0.000560	0.000999 J	<0.000560	<0.000560			
Cobalt	mg/L	0.006	NE	0.000581 J	<0.000355	0.000505 J	<0.000355	0.000585 J			
Lead	mg/L	0.015	NE	0.00101 J	0.000390 J	0.00128 J	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.313	0.288	0.182	0.282	0.295			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	0.00126 J	0.000743 J	0.000505 J	0.000323 J	0.000394 J			
Radium-226/228	pCi/L	5.0	NE	3.09	2.73	0.806 U	2.59	1.86			
Selenium	mg/L	0.05	NE	0.00101 J	<0.000590	<0.000590	<0.000590	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415			

Notes:

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pCi/L - picocuries per liter.
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µS/cm - micro Siemens per centimeter
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			Sample Location:	SSP MW-6D (BACKGROUND/UPGRADIENT)							
			Compliance Phase:	Background							
			Sample Dates:	6/3/2025	7/17/2025	8/25/2025	10/13/2025	11/17/2025			
Constituent	Unit	MCL/HBL	Site BTV								
Field Parameters											
pH	SU	-	-	6.59	6.40	6.31	6.41	6.35			
Conductivity	µS/cm	-	-	6,351	6,338	6,333	6,460	5,196			
Turbidity	NTU	-	-	9.79	0.40	2.24	3.24	0.02			
Dissolved Oxygen	mg/L	-	-	0.39	0.65	0.40	0.51	0.18			
Temperature	°C	-	-	26.2	27.4	24.1	23.1	24.3			
Oxidation Reduction Potential	mV	-	-	-122.9	-41.0	-112.6	-12.0	-272.2			
Appendix III											
Boron	mg/L	N/A	NE	0.531	0.506	0.528	0.523	0.505			
Calcium	mg/L	N/A	NE	404	358	462	455	383			
Chloride	mg/L	N/A	NE	1,400	1,400	1,390	1,470	1,260			
Fluoride	mg/L	4	NE	0.507 J	<0.500	<0.500	0.115 J	<0.100			
pH, Field	SU	N/A	NE	6.59	6.40	6.31	6.41	6.35			
Sulfate	mg/L	N/A	NE	1,090	1,050	1,140	1,170	921			
Total Dissolved Solids	mg/L	N/A	NE	4,150	3,840	4,160	4,050	3,820			
Appendix IV											
Antimony	mg/L	0.006	NE	<0.000750	<0.000750	<0.000750	<0.00375	<0.000750			
Arsenic	mg/L	0.01	NE	0.00156 J	0.000814 J	<0.000690	<0.00345	<0.000690			
Barium	mg/L	2	NE	0.0446	0.0415	0.0448	0.0383	0.0295			
Beryllium	mg/L	0.004	NE	<0.000271	<0.000271	<0.000271	<0.00136	<0.000271			
Cadmium	mg/L	0.005	NE	<0.000240	<0.000240	<0.000240	<0.00120	<0.000240			
Chromium	mg/L	0.1	NE	<0.000560	<0.000560	0.000568 J	<0.00280	<0.000560			
Cobalt	mg/L	0.006	NE	<0.000355	<0.000355	<0.000355	<0.00178	<0.000355			
Lead	mg/L	0.015	NE	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367			
Lithium	mg/L	0.04	NE	0.354	0.255	0.133	0.248	0.236			
Mercury	mg/L	0.002	NE	<0.0000706	<0.0000706	<0.0000706	<0.0000706	<0.0000706			
Molybdenum	mg/L	0.1	NE	<0.000255	<0.000255	<0.000255	<0.00128	<0.000255			
Radium-226/228	pCi/L	5.0	NE	4.41	4.38	2.88	3.83	3.76			
Selenium	mg/L	0.05	NE	<0.000590	<0.000590	<0.000590	<0.00295	<0.000590			
Thallium	mg/L	0.002	NE	<0.000415	<0.000415	<0.000415	<0.000415	<0.000415			

Notes:

BTV - Background Threshold Value
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NE - Not Established
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

SSP/AP MW-1

Sample Location:				SSP/AP MW-1 (BACKGROUND/UPGRADIENT)																							
Compliance Phase:				Background								Initial A.M.		Assessment Monitoring													
Sample Dates:				6/21/2016	8/23/2016	10/17/2016	12/20/2016	2/21/2017	5/3/2017	6/12/2017	8/23/2017	3/21/2018	6/9/2018	1/15/2019	6/27/2019	12/18/2019	6/17/2020	2/9/2021	7/12/2021	7/19/2022	12/13/2022	6/26/2023	11/14/2023	8/28/2024	12/11/2024	5/21/2025	11/12/2025
Constituent	Unit	MCL/HBL	Site BTV																								
Field Parameters																											
pH	SU	-	-	-	-	-	-	-	-	-	-	5.7	5.73	5.87	6.0	6.06	5.42	5.77	5.60	5.80	5.60	5.67	5.49	5.86	5.73	5.79	5.59
Conductivity	µS/cm	-	-	-	-	-	-	-	-	-	-	9,270	7,720	8,970	8,980	9,010	8,310	7,389	8,918	9,009	8,906	8,978	8,882	9,120	8,447	8,806	8,719
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	48	413	19.9	0	48.1	20.9	141.70	170.11	87.21	7.61	7.64	12.32	7.62	15.75	2.32	2.95
Dissolved Oxygen	mg/L	-	-	-	-	-	-	-	-	-	-	0	0.52	2.95	3.67	0.62	0.08	0.04	0.00	0.41	0.29	4.15	0.24	2.72	0.20	1.10	1.29
Temperature	°C	-	-	-	-	-	-	-	-	-	-	23.3	26.4	18.99	23.97	19.69	27.81	20.0	22.0	25.3	22.3	23.5	23.2	24.0	22.0	22.6	23.9
Oxidation Reduction Potential	mV	-	-	-	-	-	-	-	-	-	-	15	18	57	76	32	107	71.1	-100.3	41.7	42.5	142.0	147.5	102.6	209.5	62.9	38.3
Appendix III																											
Boron	mg/L	N/A	1.41	1.10	1.00	0.93	0.83	0.77	0.81	0.74	0.81	-	ND	1.43	0.81	-	0.8	0.69	0.757	0.686	0.793	0.662	0.735	0.742	1.00	0.736	0.845
Calcium	mg/L	N/A	745	659	683	673	685	617	681	666	653	-	647	563	659	-	643	667	619	722	638	262	623	649	448	515	670
Chloride	mg/L	N/A	1,750	1,390	1,460	1,540	1,500	1,530	1,550	1,600	1,600	-	1,480	1,500	1,640	-	1,730	1,520	1,460	1,530	1,560	1,560	1,610	1,640	1,570	1,530	1,740
Fluoride	mg/L	4	0.5	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	ND	ND	ND	ND	ND	ND	<0.130	0.423J	0.105J	0.0712J	0.149	0.0325J	<0.500	<1.00	<0.500	0.165 J
pH, Field	SU	N/A	5.25-6.32	5.9	5.93	6.03	6.01	5.56	5.80	5.73	5.80	5.69	5.73	5.9	5.97	6.06	5.42	5.77	5.60	5.80	5.60	5.67	5.49	5.86	5.73	5.79	5.59
Sulfate	mg/L	N/A	3,300	2,890	2,950	2,960	2,760	2,900	3,050	3,060	3,070	-	3,160	3,070	2,980	-	3,210	2,920	3,050	3,060	3,080	3,190	3,050	3,760	3,400	3,610	3,770
Total Dissolved Solids	mg/L	N/A	8,340	6,950	6,800	6,750	6,470	6,520	6,460	6,720	6,530	-	6,700	7,060	7,240	-	7,890	5,630	5,930	7,380	7,170	7,690	7,170	7,510	7,640	6,360	8,190
Appendix IV																											
Antimony	mg/L	0.006	0.00157	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	ND	-	-	-	ND	ND	0.000721J	0.000732J	0.00157J	0.000582J	<0.000967	0.00161J	0.0245	<0.00750	<0.000750	<0.000750
Arsenic	mg/L	0.01	0.01	<0.01	<0.01	0.01	0	<0.01	<0.01	<0.01	<0.01	ND	ND	0.0	ND	0.0019	0.00169	0.00501	0.00415	0.00309	0.0022	0.00152	0.0015	<0.00345	<0.00690	0.00139 J	0.00121 J
Barium	mg/L	2	0.19	0.05	0.05	<0.1	0.07	0.05	0.04	0.06	0.05	ND	-	-	-	0.025	0.0284	0.184	0.0638	0.068	0.0265	0.0289	0.0249	0.0245	0.0296J	0.0216	0.0201
Beryllium	mg/L	0.004	0.002	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.001	ND	ND	ND	ND	ND	ND	0.00157	0.00101	0.000706J	0.000584J	0.000506J	0.000779J	<0.00136	<0.00271	0.000623 J	0.000716 J
Cadmium	mg/L	0.005	0.000217	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND	ND	ND	ND	ND	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.000217	<0.00120	<0.00240	<0.000240	<0.000240
Chromium	mg/L	0.1	0.00248	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	0.00248	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00280	<0.00560	<0.000560	<0.000560
Cobalt	mg/L	0.006	0.00174	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	ND	ND	ND	0.00174	0.000649	0.000521	<0.000261	0.000482J	0.000479J	<0.00178	<0.00355	<0.000355	<0.000355
Lead	mg/L	0.015	0.0106	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	ND	ND	ND	0.001	0.0106	0.00343	0.00378	0.000702J	0.000431J	0.000404J	<0.00184	<0.00367	<0.000367	<0.000367
Lithium	mg/L	0.04	1.69	1.36	1.15	1.3	1.28	1.21	1.5	1.51	1.35	2.15	1.21	1.25	1.39	1.05	1.43	1.23	1.24	1.24	1.51	0.6	1.33	1.40	1.51	1.48	1.65
Mercury	mg/L	0.002	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	-	-	-	ND	ND	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130	<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.1	0.00199	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND	-	-	-	ND	ND	0.00199J	0.000961J	0.00112J	<0.000610	0.000884J	0.000644J	0.00321J	<0.00255	0.000278 J	0.000269 J
Radium-226/228	pCi/L	5.0	3.9	2.6	2.92	2.2	-0.06	0.6	1.5	1.7	1.7	1.51	1.22	1.81	1.07	1.47	1.33	3.380	2.09	2.90	1.58	1.08	0.93	1.35	1.14	1.25	2.81
Selenium	mg/L	0.05	0.000739	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	-	-	-	ND	ND	<0.00151	<0.00151	<0.000739	<0.000739	<0.000739	<0.000739	<0.00295	<0.00590	0.000990 J	<0.000590
Thallium	mg/L	0.002	0.000472	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	ND	ND	ND	ND	ND	ND	0.000206J	0.000388J	<0.000472	<0.000472	<0.000472	<0.000472	<0.000925	<0.00415	<0.000415	<0.000415

Notes:

BTV - Background Threshold Value
HBL - Health-Based Level, Groundwater protection standards established for cobalt, lithium, and molybdenum under the Federal CCR rule 40 CFR Part 257.
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
MCL - Maximum Contaminant Level, EPA Drinking Water Standards and Health Advisories, April, 2012.
mg/L - milligrams per liter.
mV - milli Volt
NTU - Nephelometric Turbiditiy Unit.
pCi/L - picocuries per liter.
SU - standard units; pH is a field parameter.
µS/cm - micro Siemens per centimeter
-- - not analyzed.
All metals were analyzed as total unless otherwise specified.

Appendix E

Laboratory Analytical Reports

May/June 2025 Event

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Matt Barickman
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

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JOB DESCRIPTION

GCSES - CCR Compliance Groundwater Monitoring
Gibbons Creek Steam Electric Station

JOB NUMBER

870-36562-1

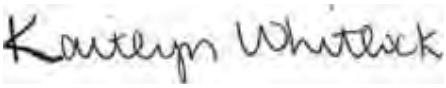
Eurofins Dallas

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
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Definitions/Glossary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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 ID: 870-36562-1 Eurofins Dallas

Job Narrative
870-36562-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 5/23/2025 1:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were -1.7°C, -0.3°C, -0.3°C, 0.3°C, 0.5°C, 0.7°C, 1.5°C, 2.1°C and 4.5°C.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 860-238801 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-239072 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: AP MW-3 (870-36562-10) and AP MWT-3 (870-36562-21). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010D: The method blank for preparation batch 860-239114 and analytical batch 860-239331 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-239331 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-239145 and analytical batch 860-239604 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-239604 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010D: The method blank for preparation batch 860-239147 and analytical batch 860-239604 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The continuing calibration verification (CCV) associated with batch 860-239360 recovered above the upper control limit for Beryllium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:FB-03 (870-36562-19) and SSP MWK-3 (870-36562-20).

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

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General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SFL MW-2 (870-36562-1), SFL MW-3 (870-36562-2), SFL MW-4 (870-36562-3), SFL MW-5 (870-36562-4), SFL MW-6 (870-36562-5), SFL MW-7 (870-36562-6), MNW-15 (870-36562-7), MNW-18 (870-36562-8), AP MW-1D (870-36562-9), AP MW-3 (870-36562-10), AP MW-4 (870-36562-11), AP MW-5 (870-36562-12), SSP/AP MW-1 (870-36562-13), SSP MW-2 (870-36562-14), SSP MW-3 (870-36562-15), SSP MW-4 (870-36562-16), FB-01 (870-36562-17), FB-02 (870-36562-18), FB-03 (870-36562-19) and SSP MWK-3 (870-36562-20).

Method SM4500_H+: The following samples were received outside of holding time: AP MWT-3 (870-36562-21) and SFL MWT-2 (870-36562-22).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 719812
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226 and Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-719812/1-A).

Method 901.1_Ra: Gamma Batch 719812
The detection goal of 50.0 pCi/L was not met for Ra-226 and Ra-228 for the following samples. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SFL MW-2 (870-36562-1), SSP MWK-3 (870-36562-20) and AP MWT-3 (870-36562-21)

Method 901.1_Ra: Gamma Batch 719812
The detection goal of 50.0 pCi/L was not met for Ra-226 for the following samples. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 is well below the RL and MDC.
SFL MW-3 (870-36562-2), SFL MW-4 (870-36562-3) and FB-03 (870-36562-19)

Method 901.1_Ra: Gamma Batch 719812
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223

Job ID: 870-36562-1 (Continued) Eurofins Dallas

Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-2 (870-36562-1), SFL MW-3 (870-36562-2), SFL MW-4 (870-36562-3), FB-03 (870-36562-19), SSP MWK-3 (870-36562-20), AP MWT-3 (870-36562-21) and (870-36562-A-1-B DU)

Method 901.1_Ra: Gamma Batch 719614
The detection goal of 50.0 pCi/L was not met for Ra-226 and/or Ra228 for the following samples. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, activity found for these analytes is well below the RL and MDC.
SFL MW-5 (870-36562-4), SFL MW-6 (870-36562-5), SFL MW-7 (870-36562-6), MNW-15 (870-36562-7), MNW-18 (870-36562-8), AP MW-1D (870-36562-9), AP MW-3 (870-36562-10), AP MW-4 (870-36562-11), SSP/AP MW-1 (870-36562-13), SSP MW-2 (870-36562-14), SSP MW-3 (870-36562-15), SSP MW-4 (870-36562-16), FB-01 (870-36562-17), FB-02 (870-36562-18), SFL MWT-2 (870-36562-22) and (870-36562-A-4-B DU)

Method 901.1_Ra: Gamma Batch 719614
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-719614/1-A).

Method 901.1_Ra: Gamma Batch 719614
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-5 (870-36562-4), SFL MW-6 (870-36562-5), SFL MW-7 (870-36562-6), MNW-15 (870-36562-7), MNW-18 (870-36562-8), AP MW-1D (870-36562-9), AP MW-3 (870-36562-10), AP MW-4 (870-36562-11), AP MW-5 (870-36562-12), SSP/AP MW-1 (870-36562-13), SSP MW-2 (870-36562-14), SSP MW-3 (870-36562-15), SSP MW-4 (870-36562-16), FB-01 (870-36562-17), FB-02 (870-36562-18), SFL MWT-2 (870-36562-22) and (870-36562-A-4-B DU)

Job ID: 870-36562-1 (Continued) Eurofins Dallas

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

Gas Flow Proportional Counter
Method 903.0: Radium 226 prep batch 160-719703
Insufficient sample volume was available to perform a sample duplicate for the following samples: SFL MW-5 (870-36562-4), SFL MW-7 (870-36562-6), MNW-15 (870-36562-7), MNW-18 (870-36562-8), AP MW-1D (870-36562-9), AP MW-3 (870-36562-10), AP MW-4 (870-36562-11), AP MW-5 (870-36562-12), SSP/AP MW-1 (870-36562-13), SSP MW-2 (870-36562-14), SSP MW-4 (870-36562-16), FB-01 (870-36562-17), FB-02 (870-36562-18) and SFL MWT-2 (870-36562-22). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 prep batch 160-719706
Insufficient sample volume was available to perform a sample duplicate for the following samples: SFL MW-5 (870-36562-4), SFL MW-7 (870-36562-6), MNW-15 (870-36562-7), MNW-18 (870-36562-8), AP MW-1D (870-36562-9), AP MW-3 (870-36562-10), AP MW-4 (870-36562-11), AP MW-5 (870-36562-12), SSP/AP MW-1 (870-36562-13), SSP MW-2 (870-36562-14), SSP MW-4 (870-36562-16), FB-01 (870-36562-17), FB-02 (870-36562-18) and SFL MWT-2 (870-36562-22). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 Batch 719706

The following sample(s) did not meet the requested limit (RL). However the activity in the affected samples is above the MDC achieved. The data will be qualified and reported with this narrative. MNW-15 (870-36562-7) and SSP MW-4 (870-36562-16)

Method 904.0: Radium 228 Batch 719706

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. SFL MW-6 (870-36562-5)

Method 904.0: Radium 228 Batch 719706

The detection goal was not met for the following sample. The sample and batch QC were prepped at full volume. Matrix interferences are suspected because the method blank achieved the detection goal demonstrating acceptable sample preparation and instrument performance: AP MW-4 (870-36562-11). Analytical results are reported with the detection limit achieved.

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

Client Sample ID: SFL MW-2

Date Collected: 05/20/25 13:35
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2620**		5.00	2.50	mg/L			05/29/25 21:57	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/29/25 21:57	10
Sulfate	**1700**		5.00	2.00	mg/L			05/29/25 21:57	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**138**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:09	1
Potassium	**67.7**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:09	1
Sodium	**1450**		2.50	0.759	mg/L		05/30/25 13:30	06/02/25 11:18	5
Lithium	**0.571**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:09	1
Calcium	**890**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 11:20	50
Boron	**0.672**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.196**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 20:52	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 20:52	1
Arsenic	**0.000999**	**J**	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 20:52	1
Barium	**0.0211**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 20:52	1
Beryllium	**0.00276**		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 20:52	1
Cadmium	**0.00152**	**J**	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 20:52	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 20:52	1
Cobalt	**0.0111**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 20:52	1
Iron	**0.0541**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 20:52	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 20:52	1
Molybdenum	**0.000409**	**J**	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 20:52	1
Selenium	**0.00256**		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 20:52	1
Thallium	**0.000533**	**J**	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 20:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**94.9**		4.00	4.00	mg/L			05/29/25 14:54	1
Total Dissolved Solids (SM 2540C)	**5870**		50.0	50.0	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	**6.1**	**HF**			SU			05/27/25 12:00	1
Temperature (SM 4500 H+ B)	**19.2**	**HF**			Celsius			05/27/25 12:00	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-26.0	U G	24.0	24.1	50.0	86.0	pCi/L	05/29/25 13:14	06/19/25 13:52	1
Radium-228	0.677	U G	3.11	3.11	50.0	59.8	pCi/L	05/29/25 13:14	06/19/25 13:52	1
Combined Radium 226 + 228	-25.4	U	24.2	24.3		86.0	pCi/L	05/29/25 13:14	06/19/25 13:52	1

Client Sample ID: SFL MW-2

Lab Sample ID: 870-36562-1
Date Collected: 05/20/25 13:35
Matrix: Water
Date Received: 05/23/25 13:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.71**		0.391	0.420	1.00	0.257	pCi/L	05/30/25 07:54	06/23/25 07:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.9*		*30 - 110*	*05/30/25 07:54*	*06/23/25 07:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**7.01**		0.984	1.18	1.00	0.701	pCi/L	05/30/25 07:58	06/22/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.9*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:52*	*1*
Y Carrier	*74.0*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:52*	*1*

Client Sample ID: SFL MW-3

Lab Sample ID: 870-36562-2
Date Collected: 05/20/25 17:40
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**726**		5.00	2.50	mg/L			05/29/25 22:37	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/29/25 22:37	10
Sulfate	**2520**		5.00	2.00	mg/L			05/29/25 22:37	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**93.3**		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:16	1
Potassium	**54.0**		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:16	1
Sodium	**630**	**B ^2**	10.0	3.04	mg/L		05/30/25 10:30	05/30/25 19:24	20
Lithium	**0.339**		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:16	1
Calcium	**474**		4.00	2.03	mg/L		05/30/25 10:30	05/30/25 19:24	20
Boron	**5.31**		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7.79**		0.100	0.0275	mg/L		05/29/25 13:30	05/29/25 20:57	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 20:54	1
Arsenic	**0.00286**	**J**	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 20:54	1
Barium	**0.0115**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 20:54	1
Beryllium	**0.0293**		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 20:54	1
Cadmium	**0.00436**		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 20:54	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 20:54	1
Cobalt	**0.0451**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 20:54	1
Iron	**1.36**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 20:54	1
Lead	**0.0155**		0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 20:54	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 20:54	1
Selenium	**0.0285**		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 20:54	1

Client Sample ID: SFL MW-3

Date Collected: 05/20/25 17:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.00482**		0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 20:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000143**	**J**	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/02/25 16:26	1
Total Dissolved Solids (SM 2540C)	**4960**		20.0	20.0	mg/L			05/23/25 18:04	1
pH (SM 4500 H+ B)	**3.8**	**HF**			SU			05/27/25 12:00	1
Temperature (SM 4500 H+ B)	**18.8**	**HF**			Celsius			05/27/25 12:00	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-3.09	U G	9.54	9.55	50.0	55.3	pCi/L	05/29/25 13:14	06/19/25 13:54	1
Radium-228	8.32	U	22.6	22.6	50.0	43.9	pCi/L	05/29/25 13:14	06/19/25 13:54	1
Combined Radium 226 + 228	5.22	U	24.5	24.5		55.3	pCi/L	05/29/25 13:14	06/19/25 13:54	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.53**		0.339	0.366	1.00	0.239	pCi/L	05/30/25 07:54	06/23/25 07:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*05/30/25 07:54*	*06/23/25 07:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.73**		0.686	0.767	1.00	0.651	pCi/L	05/30/25 07:58	06/22/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:52*	*1*
Y Carrier	*74.0*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:52*	*1*

Client Sample ID: SFL MW-4

Date Collected: 05/20/25 18:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-3

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1490**		5.00	2.50	mg/L			05/29/25 22:57	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/29/25 22:57	10
Sulfate	**2650**		5.00	2.00	mg/L			05/29/25 22:57	10

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-4

Date Collected: 05/20/25 18:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-3

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**118**		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:17	1
Potassium	**64.4**		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:17	1
Sodium	**802**	**B ^2**	10.0	3.04	mg/L		05/30/25 10:30	05/30/25 19:26	20
Lithium	**0.494**		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:17	1
Calcium	**634**		4.00	2.03	mg/L		05/30/25 10:30	05/30/25 19:26	20
Boron	**0.869**		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0182**	**J**	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 21:04	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:04	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:04	1
Barium	**0.0192**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:04	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:04	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:04	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:04	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:04	1
Iron	**0.533**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:04	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:04	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:04	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:04	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**173**		4.00	4.00	mg/L			06/02/25 16:29	1
Total Dissolved Solids (SM 2540C)	**6640**		20.0	20.0	mg/L			05/23/25 18:04	1
pH (SM 4500 H+ B)	**6.3**	**HF**			SU			05/27/25 12:00	1
Temperature (SM 4500 H+ B)	**18.4**	**HF**			Celsius			05/27/25 12:00	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-2.75	U G	13.2	13.2	50.0	58.4	pCi/L	05/29/25 13:14	06/19/25 13:55	1
Radium-228	9.41	U	31.3	31.3	50.0	46.6	pCi/L	05/29/25 13:14	06/19/25 13:55	1
Combined Radium 226 + 228	6.66	U	34.0	34.0		58.4	pCi/L	05/29/25 13:14	06/19/25 13:55	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.505**		0.274	0.278	1.00	0.371	pCi/L	05/30/25 07:54	06/23/25 07:22	1

Client Sample ID: SFL MW-4

Date Collected: 05/20/25 18:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-3

Matrix: Water

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110	05/30/25 07:54	06/23/25 07:22	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.68**		0.524	0.547	1.00	0.593	pCi/L	05/30/25 07:58	06/22/25 10:52	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110	05/30/25 07:58	06/22/25 10:52	1
Y Carrier	75.5		30 - 110	05/30/25 07:58	06/22/25 10:52	1

Client Sample ID: SFL MW-5

Date Collected: 05/20/25 12:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-4

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2480**		5.00	2.50	mg/L			05/29/25 23:17	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/29/25 23:17	10
Sulfate	**2350**		5.00	2.00	mg/L			05/29/25 23:17	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**144**		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:19	1
Potassium	**58.3**		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:19	1
Sodium	**1090**	**B ^2**	10.0	3.04	mg/L		05/30/25 10:30	05/30/25 19:28	20
Lithium	**0.729**		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:19	1
Calcium	**602**		4.00	2.03	mg/L		05/30/25 10:30	05/30/25 19:28	20
Boron	**6.59**		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.637**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 21:06	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:06	1
Arsenic	**0.00166**	**J**	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:06	1
Barium	**0.0153**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:06	1
Beryllium	**0.0114**		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:06	1
Cadmium	**0.00402**		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:06	1
Chromium	**0.00691**		0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:06	1
Cobalt	**0.0444**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:06	1
Iron	**0.195**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:06	1
Lead	**0.000602**	**J**	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:06	1
Molybdenum	**0.000309**	**J**	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:06	1
Selenium	**0.0220**		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:06	1
Thallium	**0.00121**	**J**	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000233**		0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:04	1

Client Sample ID: SFL MW-5

Date Collected: 05/20/25 12:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-4
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/03/25 11:15	1
Total Dissolved Solids (SM 2540C)	**6740**		50.0	50.0	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	**4.4**	**HF**			SU			05/27/25 12:00	1
Temperature (SM 4500 H+ B)	**19.0**	**HF**			Celsius			05/27/25 12:00	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**36.4**		20.1	20.5	50.0	26.2	pCi/L	05/28/25 15:06	06/18/25 09:17	1
Radium-228	10.4	U G	26.0	26.1	50.0	57.0	pCi/L	05/28/25 15:06	06/18/25 09:17	1
Combined Radium 226 + 228	46.8	U	32.9	33.2		57.0	pCi/L	05/28/25 15:06	06/18/25 09:17	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**3.59**		0.587	0.671	1.00	0.307	pCi/L	05/29/25 08:05	06/23/25 16:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*05/29/25 08:05*	*06/23/25 16:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**12.1**		1.11	1.58	1.00	0.490	pCi/L	05/29/25 08:08	06/23/25 14:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:06*	*1*
Y Carrier	*74.0*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:06*	*1*

Client Sample ID: SFL MW-6

Date Collected: 05/20/25 15:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-5
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4550**		5.00	2.50	mg/L			05/29/25 23:38	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/29/25 23:38	10
Sulfate	**2420**		5.00	2.00	mg/L			05/29/25 23:38	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**249**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:25	1
Potassium	**88.0**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:25	1
Sodium	**1850**		25.0	7.59	mg/L		05/30/25 13:30	06/02/25 11:33	50
Lithium	**0.762**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:25	1
Calcium	**875**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 11:33	50
Boron	**0.315**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:25	1

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-6

Date Collected: 05/20/25 15:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-5

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7.42**		0.200	0.0352	mg/L		06/02/25 09:00	06/02/25 17:36	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/02/25 09:00	06/02/25 17:36	1
Arsenic	**0.0330**		0.0100	0.00650	mg/L		06/02/25 09:00	06/02/25 17:36	1
Barium	**0.0276**		0.0100	0.00125	mg/L		06/02/25 09:00	06/02/25 17:36	1
Beryllium	**0.0504**		0.00400	0.00107	mg/L		06/02/25 09:00	06/02/25 17:36	1
Boron	**0.353**		0.0500	0.0162	mg/L		06/02/25 09:00	06/02/25 17:36	1
Cadmium	**0.00715**		0.00500	0.000831	mg/L		06/02/25 09:00	06/02/25 17:36	1
Calcium	**1060**		10.0	5.08	mg/L		06/02/25 09:00	06/02/25 17:41	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/02/25 09:00	06/02/25 17:36	1
Cobalt	**0.113**		0.0100	0.00123	mg/L		06/02/25 09:00	06/02/25 17:36	1
Iron	**9.57**		0.200	0.0283	mg/L		06/02/25 09:00	06/02/25 17:36	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/02/25 09:00	06/02/25 17:36	1
Magnesium	**278**		0.200	0.0445	mg/L		06/02/25 09:00	06/02/25 17:36	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/02/25 09:00	06/02/25 17:36	1
Potassium	**93.8**		0.500	0.106	mg/L		06/02/25 09:00	06/02/25 17:36	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/02/25 09:00	06/02/25 17:36	1
Sodium	**2060**		25.0	7.59	mg/L		06/02/25 09:00	06/02/25 17:41	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/02/25 09:00	06/02/25 17:36	1
Li	**0.756**		0.0400	0.0174	mg/L		06/02/25 09:00	06/02/25 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10.9**		0.100	0.0275	mg/L		05/30/25 09:00	05/31/25 14:13	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:00	05/31/25 14:09	1
Arsenic	**0.0135**		0.00400	0.000690	mg/L		05/30/25 09:00	05/31/25 14:09	1
Barium	**0.0395**		0.00400	0.00134	mg/L		05/30/25 09:00	05/31/25 14:09	1
Beryllium	**0.0656**		0.00200	0.000271	mg/L		05/30/25 09:00	06/01/25 13:07	1
Cadmium	**0.00795**		0.00200	0.000240	mg/L		05/30/25 09:00	05/31/25 14:09	1
Chromium	**0.00467**		0.00400	0.000560	mg/L		05/30/25 09:00	05/31/25 14:09	1
Cobalt	**0.0985**		0.00200	0.000355	mg/L		05/30/25 09:00	05/31/25 14:09	1
Iron	**1.17**		0.0200	0.00445	mg/L		05/30/25 09:00	05/31/25 14:09	1
Lead	**0.00992**		0.00200	0.000367	mg/L		05/30/25 09:00	05/31/25 14:09	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:00	05/31/25 14:09	1
Selenium	**0.120**		0.00200	0.000590	mg/L		05/30/25 09:00	05/31/25 14:09	1
Thallium	**0.00375**		0.00200	0.000415	mg/L		05/30/25 09:00	05/31/25 14:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000890**	**J**	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:08	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000104**	**J**	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 22:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/02/25 15:45	1
Total Dissolved Solids (SM 2540C)	**11000**		50.0	50.0	mg/L			05/23/25 18:04	1
pH (SM 4500 H+ B)	**3.7**	**HF**			SU			05/27/25 12:00	1

Client Sample ID: SFL MW-6

Lab Sample ID: 870-36562-5
Date Collected: 05/20/25 15:55
Matrix: Water
Date Received: 05/23/25 13:25

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Temperature (SM 4500 H+ B)	18.8	HF			Celsius			05/27/25 12:00	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-2.23	U G	33.8	33.8	50.0	58.1	pCi/L	05/28/25 15:06	06/18/25 10:50	1
Radium-228	-18.1	U G	36.8	36.8	50.0	59.4	pCi/L	05/28/25 15:06	06/18/25 10:50	1
Combined Radium 226 + 228	-20.3	U	50.0	50.0		59.4	pCi/L	05/28/25 15:06	06/18/25 10:50	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	4.81		1.01	1.10	1.00	0.620	pCi/L	05/29/25 08:05	06/23/25 16:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*05/29/25 08:05*	*06/23/25 16:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	13.5	G	1.82	2.20	1.00	1.31	pCi/L	05/29/25 08:08	06/23/25 14:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:06*	*1*
Y Carrier	*72.5*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:06*	*1*

Client Sample ID: SFL MW-7

Lab Sample ID: 870-36562-6
Date Collected: 05/20/25 18:20
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1910		5.00	2.50	mg/L			05/29/25 23:58	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/29/25 23:58	10
Sulfate	707		5.00	2.00	mg/L			05/29/25 23:58	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	68.3		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:43	1
Potassium	44.5		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:43	1
Sodium	1060	B ^2	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 13:51	50
Lithium	0.506		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:43	1
Calcium	476		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 13:51	50
Boron	0.824		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:43	1

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-7

Date Collected: 05/20/25 18:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0102**	**J**	0.0200	0.00549	mg/L		05/30/25 09:30	05/31/25 15:46	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 15:46	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 15:46	1
Barium	**0.0609**		0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 15:46	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 15:46	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 15:46	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 15:46	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 15:46	1
Iron	**0.237**		0.0200	0.00445	mg/L		05/30/25 09:30	05/31/25 15:46	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 15:46	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 15:46	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 15:46	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 15:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 01:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**157**		4.00	4.00	mg/L			06/02/25 16:18	1
Total Dissolved Solids (SM 2540C)	**4200**		20.0	20.0	mg/L			05/23/25 18:04	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**18.6**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-3.96	U G	5.70	5.72	50.0	71.3	pCi/L	05/28/25 15:06	06/18/25 10:51	1
Radium-228	-1.53	U G	2.69	2.69	50.0	57.0	pCi/L	05/28/25 15:06	06/18/25 10:51	1
Combined Radium 226 + 228	-5.49	U	6.30	6.32		71.3	pCi/L	05/28/25 15:06	06/18/25 10:51	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.771**		0.332	0.340	1.00	0.369	pCi/L	05/29/25 08:05	06/23/25 16:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*05/29/25 08:05*	*06/23/25 16:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.93**		0.669	0.692	1.00	0.847	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Client Sample ID: SFL MW-7

Lab Sample ID: 870-36562-6

Date Collected: 05/20/25 18:20
Matrix: Water
Date Received: 05/23/25 13:25

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110	05/29/25 08:08	06/23/25 14:07	1
Y Carrier	68.0		30 - 110	05/29/25 08:08	06/23/25 14:07	1

Client Sample ID: MNW-15

Lab Sample ID: 870-36562-7

Date Collected: 05/20/25 15:55
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**632**		5.00	2.50	mg/L			05/30/25 00:38	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/30/25 00:38	10
Sulfate	**1560**		5.00	2.00	mg/L			05/30/25 00:38	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**59.7**		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:21	1
Potassium	**31.0**		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:21	1
Sodium	**440**	**B ^2**	10.0	3.04	mg/L		05/30/25 10:30	05/30/25 19:29	20
Lithium	**0.145**		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:21	1
Calcium	**266**		4.00	2.03	mg/L		05/30/25 10:30	05/30/25 19:29	20
Boron	**10.1**		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**29.3**		0.100	0.0275	mg/L		05/29/25 13:30	05/29/25 21:14	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:11	1
Arsenic	**0.00761**		0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:11	1
Barium	**0.0139**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:11	1
Beryllium	**0.0806**		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:11	1
Cadmium	**0.0455**		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:11	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:11	1
Cobalt	**0.252**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:11	1
Iron	**18.7**		0.100	0.0223	mg/L		05/29/25 13:30	05/29/25 21:14	5
Lead	**0.000754**	**J**	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:11	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:11	1
Selenium	**0.0737**		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:11	1
Thallium	**0.00187**	**J**	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/02/25 15:52	1
Total Dissolved Solids (SM 2540C)	**3280**		20.0	20.0	mg/L			05/23/25 18:04	1
pH (SM 4500 H+ B)	**3.6**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.2**	**HF**			Celsius			05/27/25 12:01	1

Client Sample ID: MNW-15

Date Collected: 05/20/25 15:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-7
Matrix: Water

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.654	U G	31.8	31.8	50.0	54.8	pCi/L	05/28/25 15:06	06/18/25 12:58	1
Radium-228	-15.8	U G	31.9	31.9	50.0	58.1	pCi/L	05/28/25 15:06	06/18/25 12:58	1
Combined Radium 226 + 228	-15.1	U	45.0	45.0		58.1	pCi/L	05/28/25 15:06	06/18/25 12:58	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.424	U	0.418	0.419	1.00	0.664	pCi/L	05/29/25 08:05	06/23/25 16:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.7*		*30 - 110*	*05/29/25 08:05*	*06/23/25 16:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.28**	**G**	0.782	0.790	1.00	1.15	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.7*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*62.1*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: MNW-18

Date Collected: 05/20/25 14:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-8
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2950**		5.00	2.50	mg/L			05/30/25 00:58	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/30/25 00:58	10
Sulfate	**10900**		50.0	20.0	mg/L			05/30/25 01:08	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**29.4**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:46	1
Potassium	**28.4**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:46	1
Sodium	**487**	**B ^2**	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 13:55	50
Lithium	**0.354**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:46	1
Calcium	**196**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 13:55	50
Boron	**0.383**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0123**	**J**	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 21:16	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:16	1
Arsenic	**0.000911**	**J**	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:16	1
Barium	**0.00837**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:16	1

Client Sample ID: MNW-18

Date Collected: 05/20/25 14:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:16	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:16	1
Chromium	**0.000684**	**J**	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:16	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:16	1
Iron	**0.276**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:16	1
Lead	**0.000439**	**J**	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:16	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:16	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:16	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 01:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**185**		4.00	4.00	mg/L			06/02/25 15:47	1
Total Dissolved Solids (SM 2540C)	**1850**		10.0	10.0	mg/L			05/23/25 18:04	1
pH (SM 4500 H+ B)	**7.3**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.5**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-11.5	U G	24.0	24.0	50.0	61.6	pCi/L	05/28/25 15:06	06/18/25 13:00	1
Radium-228	1.10	U G	31.4	31.4	50.0	53.7	pCi/L	05/28/25 15:06	06/18/25 13:00	1
Combined Radium 226 + 228	-10.4	U	39.5	39.5		61.6	pCi/L	05/28/25 15:06	06/18/25 13:00	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0697	U	0.256	0.256	1.00	0.529	pCi/L	05/29/25 08:05	06/23/25 16:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*05/29/25 08:05*	*06/23/25 16:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.491	U	0.479	0.481	1.00	0.768	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*67.3*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: AP MW-1D

Date Collected: 05/20/25 11:35
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-9

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**789**		5.00	2.50	mg/L			05/30/25 01:18	10
Fluoride	**7.53**		5.00	1.00	mg/L			05/30/25 01:18	10
Sulfate	**3980**		5.00	2.00	mg/L			05/30/25 01:18	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**10.1**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:44	1
Potassium	**9.62**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:44	1
Sodium	**200**	**B ^2**	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 13:44	1
Lithium	**0.0484**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:44	1
Calcium	**55.5**		0.200	0.102	mg/L		05/30/25 13:30	06/02/25 13:44	1
Boron	**4.63**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00769**	**J**	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 21:18	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:18	1
Arsenic	**0.0118**		0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:18	1
Barium	**0.0110**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:18	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:18	1
Cadmium	**0.000264**	**J**	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:18	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:18	1
Cobalt	**0.00785**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:18	1
Iron	**0.00788**	**J**	0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:18	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:18	1
Molybdenum	**0.0361**		0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:18	1
Selenium	**0.00130**	**J**	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:18	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 01:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**103**		4.00	4.00	mg/L			06/02/25 15:54	1
Total Dissolved Solids (SM 2540C)	**837**		5.00	5.00	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	**6.3**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.3**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**81.9**		28.5	29.6	50.0	31.7	pCi/L	05/28/25 15:06	06/18/25 13:00	1
Radium-228	-13.8	U G	36.4	36.5	50.0	65.1	pCi/L	05/28/25 15:06	06/18/25 13:00	1
Combined Radium 226 + 228	**68.1**		46.2	47.0		65.1	pCi/L	05/28/25 15:06	06/18/25 13:00	1

Client Sample ID: AP MW-1D

Lab Sample ID: 870-36562-9
Matrix: Water
Date Collected: 05/20/25 11:35
Date Received: 05/23/25 13:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.396		0.259	0.261	1.00	0.352	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.632	U	0.482	0.485	1.00	0.739	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*66.9*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: AP MW-3

Lab Sample ID: 870-36562-10
Matrix: Water
Date Collected: 05/19/25 18:20
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		0.500	0.250	mg/L			05/31/25 00:02	1
Fluoride	0.141	J F1	0.500	0.100	mg/L			05/31/25 00:02	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	617		5.00	2.00	mg/L			06/03/25 15:36	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	18.6		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:23	1
Potassium	11.0		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:23	1
Sodium	176	B ^2	0.500	0.152	mg/L		05/30/25 10:30	05/30/25 19:23	1
Lithium	0.0804		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:23	1
Calcium	119		0.200	0.102	mg/L		05/30/25 10:30	05/30/25 19:23	1
Boron	4.44		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0269		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 21:24	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:24	1
Arsenic	0.00137	J	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:24	1
Barium	0.0191		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:24	1
Beryllium	0.00287		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:24	1
Cadmium	0.00345		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:24	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:24	1
Cobalt	0.0323		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:24	1
Iron	0.0574		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:24	1

Client Sample ID: AP MW-3

Date Collected: 05/19/25 18:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:24	1
Molybdenum	**0.000319**	**J**	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:24	1
Selenium	**0.000998**	**J**	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:24	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00122**		0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**9.30**		4.00	4.00	mg/L			06/02/25 16:03	1
Total Dissolved Solids (SM 2540C)	**1390**		5.00	5.00	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	**5.4**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.0**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-12.7	U G	25.0	25.0	50.0	71.1	pCi/L	05/28/25 15:06	06/18/25 12:58	1
Radium-228	16.1	U	34.5	34.5	50.0	49.1	pCi/L	05/28/25 15:06	06/18/25 12:58	1
Combined Radium 226 + 228	3.40	U	42.6	42.6		71.1	pCi/L	05/28/25 15:06	06/18/25 12:58	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.359**		0.249	0.251	1.00	0.339	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.60**		0.682	0.722	1.00	0.724	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*73.3*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: AP MW-4

Date Collected: 05/20/25 09:10
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-11

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**461**		2.50	1.25	mg/L			05/31/25 00:27	5

Client Sample ID: AP MW-4

Date Collected: 05/20/25 09:10
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-11

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.500	U	2.50	0.500	mg/L			05/31/25 00:27	5
Sulfate	**2090**		2.50	1.00	mg/L			05/31/25 00:27	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**112**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:27	1
Potassium	**54.9**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:27	1
Sodium	**530**		25.0	7.59	mg/L		05/30/25 13:30	06/02/25 11:35	50
Lithium	**1.01**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:27	1
Calcium	**500**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 11:35	50
Boron	**2.67**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0206**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:57	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:57	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:57	1
Barium	**0.0182**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:57	1
Beryllium	**0.000378**	**J**	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:57	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:57	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:57	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:57	1
Iron	**1.39**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:57	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:57	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:57	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:57	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**66.1**		4.00	4.00	mg/L			06/02/25 19:12	1
Total Dissolved Solids (SM 2540C)	**4000**		20.0	20.0	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	**5.8**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.1**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-7.87	U G	41.0	41.0	50.0	70.3	pCi/L	05/28/25 15:06	06/18/25 12:59	1
Radium-228	-15.2	U G	29.7	29.7	50.0	54.4	pCi/L	05/28/25 15:06	06/18/25 12:59	1
Combined Radium 226 + 228	-23.1	U	50.6	50.6		70.3	pCi/L	05/28/25 15:06	06/18/25 12:59	1

Client Sample ID: AP MW-4

Date Collected: 05/20/25 09:10
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-11

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.706		0.400	0.405	1.00	0.539	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*65.2*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.01	U G	0.793	0.798	1.00	1.24	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*65.2*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*60.2*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: AP MW-5

Date Collected: 05/20/25 10:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-12

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	609		2.50	1.25	mg/L			05/31/25 00:44	5
Fluoride	3.24		2.50	0.500	mg/L			05/31/25 00:44	5
Sulfate	2930		25.0	10.0	mg/L			05/31/25 00:53	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	124		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:36	1
Potassium	50.5		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:36	1
Sodium	790	B ^2	25.0	7.59	mg/L		05/30/25 10:30	05/30/25 19:45	50
Lithium	0.629		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:36	1
Calcium	555		10.0	5.08	mg/L		05/30/25 10:30	05/30/25 19:45	50
Boron	3.06		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	53.9		0.200	0.0549	mg/L		05/29/25 13:30	05/29/25 21:33	10
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:26	1
Arsenic	0.0155		0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:26	1
Barium	0.00861		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:26	1
Beryllium	0.108		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:26	1
Cadmium	0.00883		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:26	1
Chromium	0.000612	J	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:26	1
Cobalt	0.160		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:26	1
Iron	2.87		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:26	1
Lead	0.00163	J	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:26	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:26	1
Selenium	0.152		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:26	1

Client Sample ID: AP MW-5

Lab Sample ID: 870-36562-12
Matrix: Water
Date Collected: 05/20/25 10:55
Date Received: 05/23/25 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	**0.00259**		0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00113**		0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/02/25 19:46	1
Total Dissolved Solids (SM 2540C)	**4840**		20.0	20.0	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	**3.5**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**18.9**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**117**		24.4	27.0	50.0	20.0	pCi/L	05/28/25 15:06	06/18/25 13:02	1
Radium-228	9.19	U	31.4	31.4	50.0	47.5	pCi/L	05/28/25 15:06	06/18/25 13:02	1
Combined Radium 226 + 228	**127**		39.8	41.4		47.5	pCi/L	05/28/25 15:06	06/18/25 13:02	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.990**		0.365	0.376	1.00	0.393	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.914**		0.421	0.429	1.00	0.559	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*81.5*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: SSP/AP MW-1

Lab Sample ID: 870-36562-13
Matrix: Water
Date Collected: 05/21/25 11:25
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1530**		2.50	1.25	mg/L			05/29/25 13:43	5
Fluoride	<0.500	U	2.50	0.500	mg/L			05/29/25 13:43	5
Sulfate	**3610**		25.0	10.0	mg/L			05/29/25 13:53	50

Client Sample ID: SSP/AP MW-1

Date Collected: 05/21/25 11:25
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-13

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**208**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:28	1
Potassium	**60.3**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:28	1
Sodium	**1170**		25.0	7.59	mg/L		05/30/25 13:30	06/02/25 11:37	50
Lithium	**1.48**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:28	1
Calcium	**515**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 11:37	50
Boron	**0.736**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0179**	**J**	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:59	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:59	1
Arsenic	**0.00139**	**J**	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:59	1
Barium	**0.0216**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:59	1
Beryllium	**0.000623**	**J**	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:59	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:59	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:59	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:59	1
Iron	**3.33**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:59	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:59	1
Molybdenum	**0.000278**	**J**	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:59	1
Selenium	**0.000990**	**J**	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:59	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**67.9**		4.00	4.00	mg/L			06/02/25 18:34	1
Total Dissolved Solids (SM 2540C)	**6360**		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**5.8**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.4**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-7.37	U G	14.8	14.8	50.0	69.0	pCi/L	05/28/25 15:06	06/18/25 13:01	1
Radium-228	27.2	U	29.4	29.5	50.0	43.1	pCi/L	05/28/25 15:06	06/18/25 13:01	1
Combined Radium 226 + 228	19.8	U	32.9	33.0		69.0	pCi/L	05/28/25 15:06	06/18/25 13:01	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.511**		0.326	0.329	1.00	0.451	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP/AP MW-1

Lab Sample ID: 870-36562-13
Matrix: Water
Date Collected: 05/21/25 11:25
Date Received: 05/23/25 13:25

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	70.9		30 - 110	05/29/25 08:05	06/23/25 19:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.739	U	0.560	0.565	1.00	0.862	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	70.9		30 - 110	05/29/25 08:08	06/23/25 14:07	1
Y Carrier	69.2		30 - 110	05/29/25 08:08	06/23/25 14:07	1

Client Sample ID: SSP MW-2

Lab Sample ID: 870-36562-14
Matrix: Water
Date Collected: 05/20/25 09:50
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2370**		2.50	1.25	mg/L			05/29/25 14:03	5
Fluoride	<0.500	U	2.50	0.500	mg/L			05/29/25 14:03	5
Sulfate	**2250**		2.50	1.00	mg/L			05/29/25 14:03	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**171**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:30	1
Potassium	**64.8**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:30	1
Sodium	**985**		25.0	7.59	mg/L		05/30/25 13:30	06/02/25 11:38	50
Lithium	**0.787**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:30	1
Calcium	**725**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 11:38	50
Boron	**0.526**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.24**		0.0200	0.00549	mg/L		05/29/25 13:30	05/30/25 00:02	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/30/25 00:02	1
Arsenic	**0.00510**		0.00400	0.000690	mg/L		05/29/25 13:30	05/30/25 00:02	1
Barium	**0.0198**		0.00400	0.00134	mg/L		05/29/25 13:30	05/30/25 00:02	1
Beryllium	**0.0450**		0.00200	0.000271	mg/L		05/29/25 13:30	05/30/25 00:02	1
Cadmium	**0.000497**	**J**	0.00200	0.000240	mg/L		05/29/25 13:30	05/30/25 00:02	1
Chromium	**0.00122**	**J**	0.00400	0.000560	mg/L		05/29/25 13:30	05/30/25 00:02	1
Cobalt	**0.0413**		0.00200	0.000355	mg/L		05/29/25 13:30	05/30/25 00:02	1
Iron	**5.30**		0.0200	0.00445	mg/L		05/29/25 13:30	05/30/25 00:02	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/30/25 00:02	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/30/25 00:02	1
Selenium	**0.0434**		0.00200	0.000590	mg/L		05/29/25 13:30	05/30/25 00:02	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/30/25 00:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:16	1

Client Sample ID: SSP MW-2

Lab Sample ID: 870-36562-14
Date Collected: 05/20/25 09:50
Matrix: Water
Date Received: 05/23/25 13:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	10.5		4.00	4.00	mg/L			06/02/25 18:17	1
Total Dissolved Solids (SM 2540C)	6550		20.0	20.0	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	5.0	HF			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	18.8	HF			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	46.9		28.2	28.6	50.0	28.0	pCi/L	05/28/25 15:06	06/18/25 15:02	1
Radium-228	-27.8	U G	41.3	41.4	50.0	65.5	pCi/L	05/28/25 15:06	06/18/25 15:02	1
Combined Radium 226 + 228	19.1	U	50.0	50.3		65.5	pCi/L	05/28/25 15:06	06/18/25 15:02	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.736		0.331	0.338	1.00	0.368	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.4*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.37		0.713	0.745	1.00	0.844	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.4*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*71.4*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: SSP MW-3

Lab Sample ID: 870-36562-15
Date Collected: 05/21/25 18:00
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		2.50	1.25	mg/L			05/29/25 19:18	5
Fluoride	0.810	J	2.50	0.500	mg/L			05/29/25 19:18	5
Sulfate	2380		2.50	1.00	mg/L			05/29/25 19:18	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	126		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:32	1
Potassium	44.6		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:32	1
Sodium	870		25.0	7.59	mg/L		05/30/25 13:30	06/02/25 11:40	50
Lithium	0.540		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:32	1
Calcium	550		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 11:40	50
Boron	2.73		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:32	1

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-3

Date Collected: 05/21/25 18:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-15

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.54**		0.200	0.0352	mg/L		06/02/25 09:00	06/02/25 17:38	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/02/25 09:00	06/02/25 17:38	1
Arsenic	**0.0103**		0.0100	0.00650	mg/L		06/02/25 09:00	06/02/25 17:38	1
Barium	**0.0159**		0.0100	0.00125	mg/L		06/02/25 09:00	06/02/25 17:38	1
Beryllium	**0.0943**		0.00400	0.00107	mg/L		06/02/25 09:00	06/02/25 17:38	1
Boron	**2.99**		0.0500	0.0162	mg/L		06/02/25 09:00	06/02/25 17:38	1
Cadmium	**0.0460**		0.00500	0.000831	mg/L		06/02/25 09:00	06/02/25 17:38	1
Calcium	**645**		10.0	5.08	mg/L		06/02/25 09:00	06/02/25 17:43	50
Chromium	**0.00441**	**J**	0.0100	0.00216	mg/L		06/02/25 09:00	06/02/25 17:38	1
Cobalt	**0.439**		0.0100	0.00123	mg/L		06/02/25 09:00	06/02/25 17:38	1
Iron	**0.992**		0.200	0.0283	mg/L		06/02/25 09:00	06/02/25 17:38	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/02/25 09:00	06/02/25 17:38	1
Magnesium	**142**		0.200	0.0445	mg/L		06/02/25 09:00	06/02/25 17:38	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/02/25 09:00	06/02/25 17:38	1
Potassium	**51.2**		0.500	0.106	mg/L		06/02/25 09:00	06/02/25 17:38	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/02/25 09:00	06/02/25 17:38	1
Sodium	**1030**		25.0	7.59	mg/L		06/02/25 09:00	06/02/25 17:43	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/02/25 09:00	06/02/25 17:38	1
Li	**0.579**		0.0400	0.0174	mg/L		06/02/25 09:00	06/02/25 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.92**		0.0200	0.00549	mg/L		05/29/25 13:30	05/30/25 00:04	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/30/25 00:04	1
Arsenic	**0.00713**		0.00400	0.000690	mg/L		05/29/25 13:30	05/30/25 00:04	1
Barium	**0.0212**		0.00400	0.00134	mg/L		05/29/25 13:30	05/30/25 00:04	1
Beryllium	**0.0985**		0.00200	0.000271	mg/L		05/29/25 13:30	05/30/25 00:04	1
Cadmium	**0.0506**		0.00200	0.000240	mg/L		05/29/25 13:30	05/30/25 00:04	1
Chromium	**0.00245**	**J**	0.00400	0.000560	mg/L		05/29/25 13:30	05/30/25 00:04	1
Cobalt	**0.447**		0.00200	0.000355	mg/L		05/29/25 13:30	05/30/25 00:04	1
Iron	**1.63**		0.0200	0.00445	mg/L		05/29/25 13:30	05/30/25 00:04	1
Lead	**0.00483**		0.00200	0.000367	mg/L		05/29/25 13:30	05/30/25 00:04	1
Molybdenum	**0.000506**	**J**	0.00200	0.000255	mg/L		05/29/25 13:30	05/30/25 00:04	1
Selenium	**0.0486**		0.00200	0.000590	mg/L		05/29/25 13:30	05/30/25 00:04	1
Thallium	**0.00818**		0.00200	0.000415	mg/L		05/29/25 13:30	05/30/25 00:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000213**		0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:17	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/03/25 12:09	1
Total Dissolved Solids (SM 2540C)	**4920**		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**4.4**	**HF**			SU			05/27/25 12:01	1

Client Sample ID: SSP MW-3

Lab Sample ID: 870-36562-15
Matrix: Water
Date Collected: 05/21/25 18:00
Date Received: 05/23/25 13:25

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Temperature (SM 4500 H+ B)	18.9	HF			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-11.5	U G	18.1	18.1	50.0	65.5	pCi/L	05/28/25 15:06	06/18/25 15:01	1
Radium-228	27.2	U G	23.7	23.8	50.0	53.7	pCi/L	05/28/25 15:06	06/18/25 15:01	1
Combined Radium 226 + 228	15.7	U	29.8	29.9		65.5	pCi/L	05/28/25 15:06	06/18/25 15:01	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.75		0.895	1.03	1.00	0.433	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	34.3		2.28	3.89	1.00	0.900	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*75.1*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: SSP MW-4

Lab Sample ID: 870-36562-16
Matrix: Water
Date Collected: 05/21/25 13:45
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1160		2.50	1.25	mg/L			05/29/25 19:45	5
Fluoride	<0.500	U	2.50	0.500	mg/L			05/29/25 19:45	5
Sulfate	1140		2.50	1.00	mg/L			05/29/25 19:45	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	77.6		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:38	1
Potassium	60.1		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:38	1
Sodium	810	B ^2	25.0	7.59	mg/L		05/30/25 10:30	05/30/25 19:47	50
Lithium	0.924		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:38	1
Calcium	449		10.0	5.08	mg/L		05/30/25 10:30	05/30/25 19:47	50
Boron	1.27		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:38	1

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-4

Date Collected: 05/21/25 13:45
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0583**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 21:36	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:36	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:36	1
Barium	**0.0164**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:36	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:36	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:36	1
Chromium	**0.00372**	**J**	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:36	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:36	1
Iron	**0.463**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:36	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:36	1
Molybdenum	**0.000427**	**J**	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:36	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**196**		4.00	4.00	mg/L			06/02/25 19:16	1
Total Dissolved Solids (SM 2540C)	**3300**		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**6.2**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.2**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-1.22	U G	2.05	2.06	50.0	66.6	pCi/L	05/28/25 15:06	06/18/25 15:40	1
Radium-228	1.57	U G	20.0	20.0	50.0	50.8	pCi/L	05/28/25 15:06	06/18/25 15:40	1
Combined Radium 226 + 228	0.348	U	20.1	20.1		66.6	pCi/L	05/28/25 15:06	06/18/25 15:40	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.842**		0.373	0.381	1.00	0.392	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.7*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.24**	**G**	0.884	0.908	1.00	1.15	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Client Sample ID: SSP MW-4

Lab Sample ID: 870-36562-16
Date Collected: 05/21/25 13:45
Matrix: Water
Date Received: 05/23/25 13:25

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	58.7		30 - 110	05/29/25 08:08	06/23/25 14:07	1
Y Carrier	63.6		30 - 110	05/29/25 08:08	06/23/25 14:07	1

Client Sample ID: FB-01

Lab Sample ID: 870-36562-17
Date Collected: 05/19/25 18:50
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/29/25 20:11	1
Fluoride	**0.140**	**J**	0.500	0.100	mg/L			05/29/25 20:11	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/29/25 20:11	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:40	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:40	1
Sodium	<0.152	U	0.500	0.152	mg/L		05/30/25 10:30	06/02/25 10:57	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:40	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 10:30	05/30/25 19:40	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 21:38	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:38	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:38	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:38	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:38	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:38	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:38	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:38	1
Iron	**0.0113**	**J**	0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:38	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:38	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:38	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:38	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/02/25 16:07	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	**5.8**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.3**	**HF**			Celsius			05/27/25 12:01	1

Client Sample ID: FB-01

Lab Sample ID: 870-36562-17

Date Collected: 05/19/25 18:50
Matrix: Water
Date Received: 05/23/25 13:25

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-12.7	U G	21.1	21.2	50.0	60.9	pCi/L	05/28/25 15:06	06/18/25 15:01	1
Radium-228	2.94	U	11.1	11.1	50.0	43.9	pCi/L	05/28/25 15:06	06/18/25 15:01	1
Combined Radium 226 + 228	-9.71	U	23.8	23.9		60.9	pCi/L	05/28/25 15:06	06/18/25 15:01	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.144	U	0.215	0.215	1.00	0.369	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.7*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.181	U	0.527	0.527	1.00	0.937	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.7*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*66.2*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: FB-02

Lab Sample ID: 870-36562-18

Date Collected: 05/20/25 18:15
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/29/25 20:51	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/29/25 20:51	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/29/25 20:51	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:45	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:45	1
Sodium	**0.166**	**J**	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 11:45	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:45	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 13:30	06/02/25 11:45	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/29/25 13:30	05/30/25 00:06	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/30/25 00:06	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/30/25 00:06	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/29/25 13:30	05/30/25 00:06	1

Client Sample ID: FB-02

Date Collected: 05/20/25 18:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/30/25 00:06	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/30/25 00:06	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/30/25 00:06	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/30/25 00:06	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/29/25 13:30	05/30/25 00:06	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/30/25 00:06	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/30/25 00:06	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/30/25 00:06	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/30/25 00:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/02/25 15:42	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			05/23/25 18:04	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.4**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-16.0	U G	30.7	30.8	50.0	64.0	pCi/L	05/28/25 15:06	06/18/25 15:02	1
Radium-228	22.0	U	21.6	21.7	50.0	36.9	pCi/L	05/28/25 15:06	06/18/25 15:02	1
Combined Radium 226 + 228	5.97	U	37.5	37.7		64.0	pCi/L	05/28/25 15:06	06/18/25 15:02	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0895	U	0.191	0.191	1.00	0.349	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.6*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0192	U	0.396	0.396	1.00	0.743	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.6*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*70.3*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: FB-03

Date Collected: 05/21/25 19:10
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-19

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/29/25 21:04	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/29/25 21:04	1
Sulfate	**0.218**	**J**	0.500	0.200	mg/L			05/29/25 21:04	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:47	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:47	1
Sodium	<0.152	U	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 11:47	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:47	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 13:30	06/02/25 11:47	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00655**	**J**	0.0200	0.00549	mg/L		05/30/25 09:00	05/31/25 14:15	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:00	05/31/25 14:15	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/30/25 09:00	05/31/25 14:15	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/30/25 09:00	05/31/25 14:15	1
Beryllium	<0.000271	U ^+	0.00200	0.000271	mg/L		05/30/25 09:00	05/31/25 14:15	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:00	05/31/25 14:15	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:00	05/31/25 14:15	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/30/25 09:00	05/31/25 14:15	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/30/25 09:00	05/31/25 14:15	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:00	05/31/25 14:15	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:00	05/31/25 14:15	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/30/25 09:00	05/31/25 14:15	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:00	05/31/25 14:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/02/25 19:04	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**5.6**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**18.9**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-21.7	U G	19.5	19.6	50.0	82.8	pCi/L	05/29/25 13:14	06/19/25 13:55	1
Radium-228	22.2	U	35.5	35.6	50.0	43.1	pCi/L	05/29/25 13:14	06/19/25 13:55	1
Combined Radium 226 + 228	0.538	U	40.5	40.6		82.8	pCi/L	05/29/25 13:14	06/19/25 13:55	1

Client Sample ID: FB-03

Lab Sample ID: 870-36562-19

Date Collected: 05/21/25 19:10
Matrix: Water
Date Received: 05/23/25 13:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.104	U	0.203	0.204	1.00	0.358	pCi/L	05/30/25 07:54	06/23/25 07:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*05/30/25 07:54*	*06/23/25 07:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.203	U	0.311	0.312	1.00	0.633	pCi/L	05/30/25 07:58	06/22/25 10:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:53*	*1*
Y Carrier	*74.0*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:53*	*1*

Client Sample ID: SSP MWK-3

Lab Sample ID: 870-36562-20

Date Collected: 05/21/25 18:20
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/29/25 21:17	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/29/25 21:17	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/29/25 21:17	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:49	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:49	1
Sodium	<0.152	U	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 11:49	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:49	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 13:30	06/02/25 11:49	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:49	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/02/25 09:00	06/02/25 17:39	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/02/25 09:00	06/02/25 17:39	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/02/25 09:00	06/02/25 17:39	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		06/02/25 09:00	06/02/25 17:39	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/02/25 09:00	06/02/25 17:39	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/02/25 09:00	06/02/25 17:39	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/02/25 09:00	06/02/25 17:39	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/02/25 09:00	06/02/25 17:39	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/02/25 09:00	06/02/25 17:39	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/02/25 09:00	06/02/25 17:39	1
Iron	<0.0283	U	0.200	0.0283	mg/L		06/02/25 09:00	06/02/25 17:39	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/02/25 09:00	06/02/25 17:39	1

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MWK-3

Date Collected: 05/21/25 18:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-20

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/02/25 09:00	06/02/25 17:39	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/02/25 09:00	06/02/25 17:39	1
Potassium	<0.106	U	0.500	0.106	mg/L		06/02/25 09:00	06/02/25 17:39	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/02/25 09:00	06/02/25 17:39	1
Sodium	**0.296**	**J**	0.500	0.152	mg/L		06/02/25 09:00	06/02/25 17:39	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/02/25 09:00	06/02/25 17:39	1
Li	<0.0174	U	0.0400	0.0174	mg/L		06/02/25 09:00	06/02/25 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00702**	**J**	0.0200	0.00549	mg/L		05/30/25 09:00	05/31/25 14:17	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:00	05/31/25 14:17	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/30/25 09:00	05/31/25 14:17	1
Barium	**0.00279**	**J**	0.00400	0.00134	mg/L		05/30/25 09:00	05/31/25 14:17	1
Beryllium	<0.000271	U ^+	0.00200	0.000271	mg/L		05/30/25 09:00	05/31/25 14:17	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:00	05/31/25 14:17	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:00	05/31/25 14:17	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/30/25 09:00	05/31/25 14:17	1
Iron	**0.00733**	**J**	0.0200	0.00445	mg/L		05/30/25 09:00	05/31/25 14:17	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:00	05/31/25 14:17	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:00	05/31/25 14:17	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/30/25 09:00	05/31/25 14:17	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:00	05/31/25 14:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:26	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000800**	**J**	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/02/25 18:56	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**5.5**	**HF**			SU			05/27/25 12:01	1
Temperature (SM 4500 H+ B)	**19.2**	**HF**			Celsius			05/27/25 12:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-8.17	U G	33.3	33.3	50.0	57.8	pCi/L	05/29/25 13:14	06/19/25 16:20	1
Radium-228	-12.4	U G	31.4	31.4	50.0	56.6	pCi/L	05/29/25 13:14	06/19/25 16:20	1
Combined Radium 226 + 228	-20.6	U	45.8	45.8		57.8	pCi/L	05/29/25 13:14	06/19/25 16:20	1

Client Sample ID: SSP MWK-3

Lab Sample ID: 870-36562-20
Date Collected: 05/21/25 18:20
Matrix: Water
Date Received: 05/23/25 13:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.110	U	0.142	0.142	1.00	0.236	pCi/L	05/30/25 07:54	06/23/25 07:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*05/30/25 07:54*	*06/23/25 07:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.309	U	0.367	0.368	1.00	0.605	pCi/L	05/30/25 07:58	06/22/25 10:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:53*	*1*
Y Carrier	*71.8*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:53*	*1*

Client Sample ID: AP MWT-3

Lab Sample ID: 870-36562-21
Date Collected: 05/19/25 18:35
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		0.500	0.250	mg/L			05/29/25 21:57	1
Fluoride	**0.133**	**J**	0.500	0.100	mg/L			05/29/25 21:57	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**615**		5.00	2.00	mg/L			06/03/25 15:28	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**18.8**		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:41	1
Potassium	**11.1**		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:41	1
Sodium	**192**	**B**	5.00	1.52	mg/L		05/30/25 10:30	06/02/25 10:59	10
Lithium	**0.0815**		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:41	1
Calcium	**119**		0.200	0.102	mg/L		05/30/25 10:30	05/30/25 19:41	1
Boron	**4.48**		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0272**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 21:40	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 21:40	1
Arsenic	**0.00140**	**J**	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 21:40	1
Barium	**0.0202**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 21:40	1
Beryllium	**0.00295**		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 21:40	1
Cadmium	**0.00348**		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 21:40	1
Chromium	**0.000562**	**J**	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 21:40	1
Cobalt	**0.0331**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 21:40	1
Iron	**0.0609**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 21:40	1

Client Sample ID: AP MWT-3

Lab Sample ID: 870-36562-21
Date Collected: 05/19/25 18:35
Matrix: Water
Date Received: 05/23/25 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 21:40	1
Molybdenum	**0.000380**	**J**	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 21:40	1
Selenium	**0.000615**	**J**	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 21:40	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 21:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00122**		0.000200	0.0000706	mg/L		05/29/25 03:28	05/30/25 00:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**9.66**		4.00	4.00	mg/L			06/02/25 15:59	1
Total Dissolved Solids (SM 2540C)	**1190**		5.00	5.00	mg/L			05/23/25 18:03	1
pH (SM 4500 H+ B)	**5.4**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.1**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	14.3	U G	11.2	11.3	50.0	60.7	pCi/L	05/29/25 13:14	06/19/25 16:20	1
Radium-228	12.5	U G	32.7	32.7	50.0	65.1	pCi/L	05/29/25 13:14	06/19/25 16:20	1
Combined Radium 226 + 228	26.8	U	34.6	34.6		65.1	pCi/L	05/29/25 13:14	06/19/25 16:20	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.232	U	0.168	0.170	1.00	0.236	pCi/L	05/30/25 07:54	06/23/25 07:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*30 - 110*	*05/30/25 07:54*	*06/23/25 07:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.99**		0.485	0.518	1.00	0.489	pCi/L	05/30/25 07:58	06/22/25 10:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:53*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/30/25 07:58*	*06/22/25 10:53*	*1*

Client Sample ID: SFL MWT-2

Lab Sample ID: 870-36562-22
Date Collected: 05/20/25 13:50
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2770**		5.00	2.50	mg/L			05/29/25 22:10	10

Client Sample ID: SFL MWT-2

Date Collected: 05/20/25 13:50
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-22

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<1.00	U	5.00	1.00	mg/L			05/29/25 22:10	10
Sulfate	**1630**		5.00	2.00	mg/L			05/29/25 22:10	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**122**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:50	1
Potassium	**59.1**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:50	1
Sodium	**1310**		25.0	7.59	mg/L		05/30/25 13:30	06/02/25 12:01	50
Lithium	**0.529**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:50	1
Calcium	**775**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 12:01	50
Boron	**0.589**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.206**		0.0200	0.00549	mg/L		05/30/25 09:00	05/31/25 14:20	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:00	05/31/25 14:20	1
Arsenic	**0.00117**	**J**	0.00400	0.000690	mg/L		05/30/25 09:00	05/31/25 14:20	1
Barium	**0.0256**		0.00400	0.00134	mg/L		05/30/25 09:00	05/31/25 14:20	1
Beryllium	**0.00296**		0.00200	0.000271	mg/L		05/30/25 09:00	06/01/25 13:14	1
Cadmium	**0.00165**	**J**	0.00200	0.000240	mg/L		05/30/25 09:00	05/31/25 14:20	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:00	05/31/25 14:20	1
Cobalt	**0.0114**		0.00200	0.000355	mg/L		05/30/25 09:00	05/31/25 14:20	1
Iron	**0.0565**		0.0200	0.00445	mg/L		05/30/25 09:00	05/31/25 14:20	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:00	05/31/25 14:20	1
Molybdenum	**0.000433**	**J**	0.00200	0.000255	mg/L		05/30/25 09:00	05/31/25 14:20	1
Selenium	**0.00254**		0.00200	0.000590	mg/L		05/30/25 09:00	05/31/25 14:20	1
Thallium	**0.000583**	**J**	0.00200	0.000415	mg/L		05/30/25 09:00	05/31/25 14:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 00:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**93.8**		4.00	4.00	mg/L			06/02/25 16:33	1
Total Dissolved Solids (SM 2540C)	**7490**		50.0	50.0	mg/L			05/23/25 18:04	1
pH (SM 4500 H+ B)	**6.1**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.4**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-8.54	U G	26.2	26.2	50.0	73.0	pCi/L	05/28/25 15:06	06/18/25 14:58	1
Radium-228	18.0	U G	31.7	31.8	50.0	50.1	pCi/L	05/28/25 15:06	06/18/25 14:58	1
Combined Radium 226 + 228	9.49	U	41.1	41.2		73.0	pCi/L	05/28/25 15:06	06/18/25 14:58	1

Client Sample ID: SFL MWT-2

Date Collected: 05/20/25 13:50
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-22

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.47		0.395	0.417	1.00	0.297	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.70		0.831	0.983	1.00	0.627	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*78.1*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)								
Lab Sample ID	Client Sample ID	Ba (30-110)								
870-36562-1	SFL MW-2	76.9								
870-36562-2	SFL MW-3	98.0								
870-36562-3	SFL MW-4	83.1								
870-36562-4	SFL MW-5	93.0								
870-36562-5	SFL MW-6	87.6								
870-36562-6	SFL MW-7	81.8								
870-36562-7	MNW-15	58.7								
870-36562-8	MNW-18	80.3								
870-36562-9	AP MW-1D	82.3								
870-36562-10	AP MW-3	77.4								
870-36562-11	AP MW-4	65.2								
870-36562-12	AP MW-5	84.3								
870-36562-13	SSP/AP MW-1	70.9								
870-36562-14	SSP MW-2	72.4								
870-36562-15	SSP MW-3	80.6								
870-36562-16	SSP MW-4	58.7								
870-36562-17	FB-01	66.7								
870-36562-18	FB-02	73.6								
870-36562-19	FB-03	91.0								
870-36562-20	SSP MWK-3	92.3								
870-36562-21	AP MWT-3	95.3								
870-36562-22	SFL MWT-2	85.1								
LCS 160-719703/2-A	Lab Control Sample	86.1								
LCS 160-720084/2-A	Lab Control Sample	88.8								
LCSD 160-719703/3-A	Lab Control Sample Dup	80.1								
MB 160-719703/1-A	Method Blank	84.6								
MB 160-720084/1-A	Method Blank	91.3								

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)								
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)							
870-36562-1	SFL MW-2	76.9	74.0							
870-36562-2	SFL MW-3	98.0	74.0							
870-36562-3	SFL MW-4	83.1	75.5							
870-36562-4	SFL MW-5	93.0	74.0							
870-36562-5	SFL MW-6	87.6	72.5							
870-36562-6	SFL MW-7	81.8	68.0							
870-36562-7	MNW-15	58.7	62.1							
870-36562-8	MNW-18	80.3	67.3							
870-36562-9	AP MW-1D	82.3	66.9							
870-36562-10	AP MW-3	77.4	73.3							
870-36562-11	AP MW-4	65.2	60.2							
870-36562-12	AP MW-5	84.3	81.5							

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Method: 904.0 - Radium-228 (GFPC) (Continued)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-36562-13	SSP/AP MW-1	70.9	69.2
870-36562-14	SSP MW-2	72.4	71.4
870-36562-15	SSP MW-3	80.6	75.1
870-36562-16	SSP MW-4	58.7	63.6
870-36562-17	FB-01	66.7	66.2
870-36562-18	FB-02	73.6	70.3
870-36562-19	FB-03	91.0	74.0
870-36562-20	SSP MWK-3	92.3	71.8
870-36562-21	AP MWT-3	95.3	81.1
870-36562-22	SFL MWT-2	85.1	78.1
LCS 160-719706/2-A	Lab Control Sample	86.1	75.9
LCS 160-720089/2-A	Lab Control Sample	88.8	75.9
LCSD 160-719706/3-A	Lab Control Sample Dup	80.1	77.0
MB 160-719706/1-A	Method Blank	84.6	78.5
MB 160-720089/1-A	Method Blank	91.3	78.5

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-238762/3
Matrix: Water
Analysis Batch: 238762

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/29/25 10:52	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/29/25 10:52	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/29/25 10:52	1

Lab Sample ID: MB 860-238762/62
Matrix: Water
Analysis Batch: 238762

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/29/25 20:46	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/29/25 20:46	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/29/25 20:46	1

Lab Sample ID: LCS 860-238762/4
Matrix: Water
Analysis Batch: 238762

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.588		mg/L		96	90 - 110
Fluoride	10.0	10.07		mg/L		101	90 - 110
Sulfate	10.0	10.63		mg/L		106	90 - 110

Lab Sample ID: LCS 860-238762/63
Matrix: Water
Analysis Batch: 238762

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.734		mg/L		97	90 - 110
Fluoride	10.0	10.29		mg/L		103	90 - 110
Sulfate	10.0	10.68		mg/L		107	90 - 110

Lab Sample ID: LCSD 860-238762/5
Matrix: Water
Analysis Batch: 238762

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
Chloride	10.0	9.610		mg/L		96	90 - 110	0	20
Fluoride	10.0	10.14		mg/L		101	90 - 110	1	20
Sulfate	10.0	10.57		mg/L		106	90 - 110	1	20

Lab Sample ID: LCSD 860-238762/64
Matrix: Water
Analysis Batch: 238762

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
Chloride	10.0	9.659		mg/L		97	90 - 110	1	20
Fluoride	10.0	10.27		mg/L		103	90 - 110	0	20
Sulfate	10.0	10.54		mg/L		105	90 - 110	1	20

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-238762/7
Matrix: Water
Analysis Batch: 238762

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5504		mg/L		110	50 - 150
Fluoride	0.500	0.3909	J	mg/L		78	50 - 150
Sulfate	0.500	0.2808	J	mg/L		56	50 - 150

Lab Sample ID: MB 860-238801/3
Matrix: Water
Analysis Batch: 238801

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/29/25 11:36	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/29/25 11:36	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/29/25 11:36	1

Lab Sample ID: LCS 860-238801/4
Matrix: Water
Analysis Batch: 238801

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.20		mg/L		102	90 - 110
Fluoride	10.0	9.808		mg/L		98	90 - 110
Sulfate	10.0	10.70		mg/L		107	90 - 110

Lab Sample ID: LCSD 860-238801/5
Matrix: Water
Analysis Batch: 238801

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
Chloride	10.0	10.20		mg/L		102	90 - 110	0	20
Fluoride	10.0	9.775		mg/L		98	90 - 110	0	20
Sulfate	10.0	10.68		mg/L		107	90 - 110	0	20

Lab Sample ID: LLCS 860-238801/7
Matrix: Water
Analysis Batch: 238801

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6606		mg/L		132	50 - 150
Fluoride	0.500	0.5413		mg/L		108	50 - 150
Sulfate	0.500	0.5539		mg/L		111	50 - 150

Lab Sample ID: 870-36562-17 MS
Matrix: Water
Analysis Batch: 238801

Client Sample ID: FB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.250	U	10.0	10.71		mg/L		107	90 - 110
Fluoride	0.140	J	10.0	10.33		mg/L		102	90 - 110
Sulfate	<0.200	U	10.0	10.52		mg/L		105	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-36562-17 MSD — **Client Sample ID: FB-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 238801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.250	U	10.0	10.69		mg/L		107	90 - 110	0	15
Fluoride	0.140	J	10.0	10.32		mg/L		102	90 - 110	0	15
Sulfate	<0.200	U	10.0	10.53		mg/L		105	90 - 110	0	15

Lab Sample ID: 870-36562-22 MS — **Client Sample ID: SFL MWT-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 238801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2820		1000	3863		mg/L		104	90 - 110
Fluoride	<10.0	U	1000	999.8		mg/L		100	90 - 110
Sulfate	1670	F1 F2	1000	2712		mg/L		104	90 - 110

Lab Sample ID: 870-36562-22 MSD — **Client Sample ID: SFL MWT-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 238801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2820		1000	3861		mg/L		104	90 - 110	0	15
Fluoride	<10.0	U	1000	1003		mg/L		100	90 - 110	0	15
Sulfate	1670	F1 F2	1000	3599	F1 F2	mg/L		193	90 - 110	28	15

Lab Sample ID: MB 860-239072/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239072

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/30/25 13:50	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/30/25 13:50	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/30/25 13:50	1

Lab Sample ID: LCS 860-239072/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239072

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	8.996		mg/L		90	90 - 110
Fluoride	10.0	9.468		mg/L		95	90 - 110
Sulfate	10.0	9.354		mg/L		94	90 - 110

Lab Sample ID: LCSD 860-239072/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239072

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.063		mg/L		91	90 - 110	1	20
Fluoride	10.0	9.448		mg/L		94	90 - 110	0	20
Sulfate	10.0	9.688		mg/L		97	90 - 110	4	20

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-239072/7
Matrix: Water
Analysis Batch: 239072

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.5880		mg/L		118	50 - 150		
Fluoride			0.500	0.4499	J	mg/L		90	50 - 150		
Sulfate			0.500	0.5134		mg/L		103	50 - 150		

Lab Sample ID: 870-36562-10 MS
Matrix: Water
Analysis Batch: 239072

Client Sample ID: AP MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	141		10.0	153.6	4	mg/L		123	90 - 110		
Fluoride	0.141	J F1	10.0	11.21	F1	mg/L		111	90 - 110		

Lab Sample ID: 870-36562-10 MSD
Matrix: Water
Analysis Batch: 239072

Client Sample ID: AP MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	141		10.0	154.6	4	mg/L		133	90 - 110	1	15
Fluoride	0.141	J F1	10.0	11.28	F1	mg/L		111	90 - 110	1	15

Lab Sample ID: MB 860-239657/13
Matrix: Water
Analysis Batch: 239657

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			06/03/25 10:26	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/03/25 10:26	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/03/25 10:26	1

Lab Sample ID: LCS 860-239657/14
Matrix: Water
Analysis Batch: 239657

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.980		mg/L		100	90 - 110		
Fluoride			10.0	10.83		mg/L		108	90 - 110		
Sulfate			10.0	10.20		mg/L		102	90 - 110		

Lab Sample ID: LCSD 860-239657/15
Matrix: Water
Analysis Batch: 239657

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
Chloride			10.0	9.994		mg/L		100	90 - 110	0	20
Fluoride			10.0	10.89		mg/L		109	90 - 110	0	20
Sulfate			10.0	10.18		mg/L		102	90 - 110	0	20

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-239657/17
Matrix: Water
Analysis Batch: 239657

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5017		mg/L		100	50 - 150
Fluoride	0.500	0.5008		mg/L		100	50 - 150
Sulfate	0.500	0.5364		mg/L		107	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-239114/1-A
Matrix: Water
Analysis Batch: 239331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 18:35	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 10:30	05/30/25 18:35	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 10:30	05/30/25 18:35	1
Sodium	0.4870	J	0.500	0.152	mg/L		05/30/25 10:30	05/30/25 18:35	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 18:35	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 18:35	1

Lab Sample ID: LCS 860-239114/2-A
Matrix: Water
Analysis Batch: 239331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	25.0	24.60		mg/L		98	80 - 120
Calcium	25.0	24.80		mg/L		99	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Sodium	25.0	23.70		mg/L		95	80 - 120
Lithium	1.00	0.9820		mg/L		98	80 - 120
Boron	1.00	1.010		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-239114/3-A
Matrix: Water
Analysis Batch: 239331

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	25.0	24.50		mg/L		98	80 - 120	0	20
Calcium	25.0	24.80		mg/L		99	80 - 120	0	20
Potassium	10.0	10.10		mg/L		101	80 - 120	0	20
Sodium	25.0	23.70		mg/L		95	80 - 120	0	20
Lithium	1.00	0.9800		mg/L		98	80 - 120	0	20
Boron	1.00	1.010		mg/L		101	80 - 120	0	20

Lab Sample ID: MB 860-239145/1-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:04	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 13:30	06/02/25 11:04	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-239145/1-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:04	1
Sodium	<0.152	U	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 11:04	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:04	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:04	1

Lab Sample ID: LCS 860-239145/2-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	25.0	24.40		mg/L		98	80 - 120
Calcium	25.0	24.90		mg/L		100	80 - 120
Potassium	10.0	10.30		mg/L		103	80 - 120
Sodium	25.0	24.70		mg/L		99	80 - 120
Lithium	1.00	0.9820		mg/L		98	80 - 120
Boron	1.00	0.9910		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-239145/3-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	25.0	24.40		mg/L		98	80 - 120	0	20
Calcium	25.0	24.90		mg/L		100	80 - 120	0	20
Potassium	10.0	10.30		mg/L		103	80 - 120	0	20
Sodium	25.0	24.70		mg/L		99	80 - 120	0	20
Lithium	1.00	0.9810		mg/L		98	80 - 120	0	20
Boron	1.00	0.9930		mg/L		99	80 - 120	0	20

Lab Sample ID: 870-36562-1 MS
Matrix: Water
Analysis Batch: 239604

Client Sample ID: SFL MW-2
Prep Type: Total/NA
Prep Batch: 239145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	138		25.0	124.0	4	mg/L		-56	75 - 125
Calcium	777		25.0	706.0	4	mg/L		-284	75 - 125
Potassium	67.7		10.0	60.40	4	mg/L		-73	75 - 125
Sodium	1470		25.0	1320	4	mg/L		-600	75 - 125
Lithium	0.571		1.00	1.630		mg/L		106	75 - 125
Boron	0.672		1.00	1.650		mg/L		98	75 - 125

Lab Sample ID: 870-36562-1 MSD
Matrix: Water
Analysis Batch: 239604

Client Sample ID: SFL MW-2
Prep Type: Total/NA
Prep Batch: 239145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	138		25.0	121.0	4	mg/L		-68	75 - 125	2	20
Calcium	777		25.0	694.0	4	mg/L		-332	75 - 125	2	20
Potassium	67.7		10.0	59.30	4	mg/L		-84	75 - 125	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 870-36562-1 MSD — **Client Sample ID: SFL MW-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239604 — **Prep Batch: 239145**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	1470		25.0	1300	4	mg/L		-680	75 - 125	2	20
Lithium	0.571		1.00	1.620		mg/L		105	75 - 125	1	20
Boron	0.672		1.00	1.640		mg/L		97	75 - 125	1	20

Lab Sample ID: MB 860-239147/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239604 — **Prep Batch: 239147**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:00	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 13:30	06/02/25 13:00	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:00	1
Sodium	0.2150	J	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 13:00	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:00	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:00	1

Lab Sample ID: LCS 860-239147/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239604 — **Prep Batch: 239147**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	25.0	25.40		mg/L		102	80 - 120
Calcium	25.0	25.80		mg/L		103	80 - 120
Potassium	10.0	10.50		mg/L		105	80 - 120
Sodium	25.0	25.40		mg/L		102	80 - 120
Lithium	1.00	1.010		mg/L		101	80 - 120
Boron	1.00	1.020		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-239147/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239604 — **Prep Batch: 239147**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	25.0	25.40		mg/L		102	80 - 120	0	20
Calcium	25.0	25.80		mg/L		103	80 - 120	0	20
Potassium	10.0	10.50		mg/L		105	80 - 120	0	20
Sodium	25.0	25.30		mg/L		101	80 - 120	0	20
Lithium	1.00	1.000		mg/L		100	80 - 120	1	20
Boron	1.00	1.030		mg/L		103	80 - 120	1	20

Lab Sample ID: MB 860-239505/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239752 — **Prep Batch: 239505**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/02/25 09:00	06/02/25 16:43	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/02/25 09:00	06/02/25 16:43	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/02/25 09:00	06/02/25 16:43	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		06/02/25 09:00	06/02/25 16:43	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-239505/1-A
Matrix: Water
Analysis Batch: 239752

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/02/25 09:00	06/02/25 16:43	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/02/25 09:00	06/02/25 16:43	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/02/25 09:00	06/02/25 16:43	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/02/25 09:00	06/02/25 16:43	1
Iron	<0.0283	U	0.200	0.0283	mg/L		06/02/25 09:00	06/02/25 16:43	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/02/25 09:00	06/02/25 16:43	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/02/25 09:00	06/02/25 16:43	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/02/25 09:00	06/02/25 16:43	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/02/25 09:00	06/02/25 16:43	1
Potassium	<0.106	U	0.500	0.106	mg/L		06/02/25 09:00	06/02/25 16:43	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/02/25 09:00	06/02/25 16:43	1
Sodium	<0.152	U	0.500	0.152	mg/L		06/02/25 09:00	06/02/25 16:43	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/02/25 09:00	06/02/25 16:43	1
Li	<0.0174	U	0.0400	0.0174	mg/L		06/02/25 09:00	06/02/25 16:43	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/02/25 09:00	06/02/25 16:43	1

Lab Sample ID: LCS 860-239505/2-A
Matrix: Water
Analysis Batch: 239752

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.840		mg/L		97	80 - 120
Antimony	1.00	0.9800		mg/L		98	80 - 120
Arsenic	1.00	0.9810		mg/L		98	80 - 120
Barium	1.00	0.9640		mg/L		96	80 - 120
Beryllium	1.00	0.9970		mg/L		100	80 - 120
Cadmium	1.00	0.9680		mg/L		97	80 - 120
Chromium	1.00	0.9650		mg/L		97	80 - 120
Cobalt	1.00	0.9610		mg/L		96	80 - 120
Iron	5.00	5.140		mg/L		103	80 - 120
Lead	1.00	0.9870		mg/L		99	80 - 120
Magnesium	25.0	24.10		mg/L		96	80 - 120
Molybdenum	1.00	0.9890		mg/L		99	80 - 120
Calcium	25.0	24.60		mg/L		98	80 - 120
Potassium	10.0	10.30		mg/L		103	80 - 120
Selenium	1.00	1.040		mg/L		104	80 - 120
Sodium	25.0	24.50		mg/L		98	80 - 120
Thallium	1.00	0.9980		mg/L		100	80 - 120
Li	1.00	0.9530		mg/L		95	80 - 120
Boron	1.00	0.9710		mg/L		97	80 - 120

Lab Sample ID: LCSD 860-239505/3-A
Matrix: Water
Analysis Batch: 239752

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.830		mg/L		97	80 - 120	0	20
Antimony	1.00	0.9830		mg/L		98	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-239505/3-A
Matrix: Water
Analysis Batch: 239752

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1.00	0.9800		mg/L		98	80 - 120	0	20
Barium	1.00	0.9610		mg/L		96	80 - 120	0	20
Beryllium	1.00	0.9980		mg/L		100	80 - 120	0	20
Cadmium	1.00	0.9650		mg/L		97	80 - 120	0	20
Chromium	1.00	0.9650		mg/L		97	80 - 120	0	20
Cobalt	1.00	0.9590		mg/L		96	80 - 120	0	20
Iron	5.00	5.130		mg/L		103	80 - 120	0	20
Lead	1.00	0.9880		mg/L		99	80 - 120	0	20
Magnesium	25.0	24.10		mg/L		96	80 - 120	0	20
Molybdenum	1.00	0.9910		mg/L		99	80 - 120	0	20
Calcium	25.0	24.60		mg/L		98	80 - 120	0	20
Potassium	10.0	10.20		mg/L		102	80 - 120	1	20
Selenium	1.00	1.050		mg/L		105	80 - 120	1	20
Sodium	25.0	24.50		mg/L		98	80 - 120	0	20
Thallium	1.00	1.000		mg/L		100	80 - 120	0	20
Li	1.00	0.9550		mg/L		96	80 - 120	0	20
Boron	1.00	0.9750		mg/L		98	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-238821/1-A
Matrix: Water
Analysis Batch: 238926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 20:06	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 20:06	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 20:06	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 20:06	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 20:06	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 20:06	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 20:06	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 20:06	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 20:06	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 20:06	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 20:06	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 20:06	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 20:06	1

Lab Sample ID: LCS 860-238821/2-A
Matrix: Water
Analysis Batch: 238926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238821

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5124		mg/L		102	80 - 120
Antimony	0.100	0.1017		mg/L		102	80 - 120
Arsenic	0.100	0.1006		mg/L		101	80 - 120
Barium	0.100	0.09692		mg/L		97	80 - 120

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

Lab Sample ID: LCS 860-238821/2-A
Matrix: Water
Analysis Batch: 238926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238821

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.1070		mg/L		107	80 - 120
Cadmium	0.100	0.1036		mg/L		104	80 - 120
Chromium	0.100	0.1012		mg/L		101	80 - 120
Cobalt	0.100	0.1021		mg/L		102	80 - 120
Iron	0.500	0.4961		mg/L		99	80 - 120
Lead	0.100	0.1028		mg/L		103	80 - 120
Molybdenum	0.100	0.1018		mg/L		102	80 - 120
Selenium	0.100	0.1004		mg/L		100	80 - 120
Thallium	0.100	0.1019		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-238821/3-A
Matrix: Water
Analysis Batch: 238926

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 238821

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5184		mg/L		104	80 - 120	1	20
Antimony	0.100	0.1021		mg/L		102	80 - 120	0	20
Arsenic	0.100	0.1002		mg/L		100	80 - 120	0	20
Barium	0.100	0.09799		mg/L		98	80 - 120	1	20
Beryllium	0.100	0.1076		mg/L		108	80 - 120	1	20
Cadmium	0.100	0.1035		mg/L		103	80 - 120	0	20
Chromium	0.100	0.1024		mg/L		102	80 - 120	1	20
Cobalt	0.100	0.1024		mg/L		102	80 - 120	0	20
Iron	0.500	0.4937		mg/L		99	80 - 120	0	20
Lead	0.100	0.1046		mg/L		105	80 - 120	2	20
Molybdenum	0.100	0.1022		mg/L		102	80 - 120	0	20
Selenium	0.100	0.09979		mg/L		100	80 - 120	1	20
Thallium	0.100	0.1037		mg/L		104	80 - 120	2	20

Lab Sample ID: MB 860-238833/1-A
Matrix: Water
Analysis Batch: 239158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 22:40	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 22:40	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 22:40	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 22:40	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 22:40	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 22:40	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 22:40	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 22:40	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 22:40	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 22:40	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 22:40	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 22:40	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 22:40	1

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

Lab Sample ID: LCS 860-238833/2-A
Matrix: Water
Analysis Batch: 239158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4977		mg/L		100	80 - 120
Antimony	0.100	0.09827		mg/L		98	80 - 120
Arsenic	0.100	0.1033		mg/L		103	80 - 120
Barium	0.100	0.1022		mg/L		102	80 - 120
Beryllium	0.100	0.09666		mg/L		97	80 - 120
Cadmium	0.100	0.1003		mg/L		100	80 - 120
Chromium	0.100	0.1020		mg/L		102	80 - 120
Cobalt	0.100	0.1015		mg/L		102	80 - 120
Iron	0.500	0.5076		mg/L		102	80 - 120
Lead	0.100	0.1018		mg/L		102	80 - 120
Molybdenum	0.100	0.1001		mg/L		100	80 - 120
Selenium	0.100	0.1034		mg/L		103	80 - 120
Thallium	0.100	0.1013		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-238833/3-A
Matrix: Water
Analysis Batch: 239158

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 238833

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5112		mg/L		102	80 - 120	3	20
Antimony	0.100	0.1025		mg/L		103	80 - 120	4	20
Arsenic	0.100	0.1034		mg/L		103	80 - 120	0	20
Barium	0.100	0.1037		mg/L		104	80 - 120	1	20
Beryllium	0.100	0.09785		mg/L		98	80 - 120	1	20
Cadmium	0.100	0.1020		mg/L		102	80 - 120	2	20
Chromium	0.100	0.1026		mg/L		103	80 - 120	1	20
Cobalt	0.100	0.1026		mg/L		103	80 - 120	1	20
Iron	0.500	0.5175		mg/L		103	80 - 120	2	20
Lead	0.100	0.1024		mg/L		102	80 - 120	1	20
Molybdenum	0.100	0.1043		mg/L		104	80 - 120	4	20
Selenium	0.100	0.1056		mg/L		106	80 - 120	2	20
Thallium	0.100	0.1019		mg/L		102	80 - 120	1	20

Lab Sample ID: LB 860-238744/1-B
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239052

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/30/25 09:00	05/31/25 12:43	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:00	05/31/25 12:43	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/30/25 09:00	05/31/25 12:43	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/30/25 09:00	05/31/25 12:43	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/30/25 09:00	05/31/25 12:43	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:00	05/31/25 12:43	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:00	05/31/25 12:43	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/30/25 09:00	05/31/25 12:43	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/30/25 09:00	05/31/25 12:43	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:00	05/31/25 12:43	1

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

Lab Sample ID: LB 860-238744/1-B
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239052

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:00	05/31/25 12:43	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/30/25 09:00	05/31/25 12:43	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:00	05/31/25 12:43	1

Lab Sample ID: MB 860-238855/1-B
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/30/25 09:00	05/31/25 12:36	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:00	05/31/25 12:36	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/30/25 09:00	05/31/25 12:36	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/30/25 09:00	05/31/25 12:36	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/30/25 09:00	05/31/25 12:36	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:00	05/31/25 12:36	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:00	05/31/25 12:36	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/30/25 09:00	05/31/25 12:36	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/30/25 09:00	05/31/25 12:36	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:00	05/31/25 12:36	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:00	05/31/25 12:36	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/30/25 09:00	05/31/25 12:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:00	05/31/25 12:36	1

Lab Sample ID: LCS 860-238855/2-B
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4928		mg/L		99	80 - 120
Antimony	0.100	0.09879		mg/L		99	80 - 120
Arsenic	0.100	0.09859		mg/L		99	80 - 120
Barium	0.100	0.09772		mg/L		98	80 - 120
Beryllium	0.100	0.09815		mg/L		98	80 - 120
Cadmium	0.100	0.09838		mg/L		98	80 - 120
Chromium	0.100	0.09934		mg/L		99	80 - 120
Cobalt	0.100	0.09928		mg/L		99	80 - 120
Iron	0.500	0.4979		mg/L		100	80 - 120
Lead	0.100	0.09924		mg/L		99	80 - 120
Molybdenum	0.100	0.1011		mg/L		101	80 - 120
Selenium	0.100	0.09795		mg/L		98	80 - 120
Thallium	0.100	0.09893		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-238855/3-B
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239052

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5041		mg/L		101	80 - 120	2	20

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

Lab Sample ID: LCSD 860-238855/3-B
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239052

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.100	0.09954		mg/L		100	80 - 120	1	20
Arsenic	0.100	0.09895		mg/L		99	80 - 120	0	20
Barium	0.100	0.09721		mg/L		97	80 - 120	1	20
Beryllium	0.100	0.09833		mg/L		98	80 - 120	0	20
Cadmium	0.100	0.09996		mg/L		100	80 - 120	2	20
Chromium	0.100	0.1005		mg/L		100	80 - 120	1	20
Cobalt	0.100	0.09999		mg/L		100	80 - 120	1	20
Iron	0.500	0.5045		mg/L		101	80 - 120	1	20
Lead	0.100	0.09969		mg/L		100	80 - 120	0	20
Molybdenum	0.100	0.1011		mg/L		101	80 - 120	0	20
Selenium	0.100	0.1003		mg/L		100	80 - 120	2	20
Thallium	0.100	0.09927		mg/L		99	80 - 120	0	20

Lab Sample ID: MB 860-239080/1-A
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/30/25 09:30	05/31/25 15:04	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 15:04	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 15:04	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 15:04	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 15:04	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 15:04	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 15:04	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 15:04	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/30/25 09:30	05/31/25 15:04	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 15:04	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 15:04	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 15:04	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 15:04	1

Lab Sample ID: LCS 860-239080/2-A
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5034		mg/L		101	80 - 120
Antimony	0.100	0.09849		mg/L		98	80 - 120
Arsenic	0.100	0.09640		mg/L		96	80 - 120
Barium	0.100	0.1005		mg/L		101	80 - 120
Beryllium	0.100	0.09946		mg/L		99	80 - 120
Cadmium	0.100	0.09972		mg/L		100	80 - 120
Chromium	0.100	0.1008		mg/L		101	80 - 120
Cobalt	0.100	0.1003		mg/L		100	80 - 120
Iron	0.500	0.5021		mg/L		100	80 - 120
Lead	0.100	0.1009		mg/L		101	80 - 120
Molybdenum	0.100	0.1014		mg/L		101	80 - 120

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

Lab Sample ID: LCS 860-239080/2-A
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.09865		mg/L		99	80 - 120
Thallium	0.100	0.1008		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-239080/3-A
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5209		mg/L		104	80 - 120	3	20
Antimony	0.100	0.1002		mg/L		100	80 - 120	2	20
Arsenic	0.100	0.09874		mg/L		99	80 - 120	2	20
Barium	0.100	0.09987		mg/L		100	80 - 120	1	20
Beryllium	0.100	0.1013		mg/L		101	80 - 120	2	20
Cadmium	0.100	0.1010		mg/L		101	80 - 120	1	20
Chromium	0.100	0.1024		mg/L		102	80 - 120	2	20
Cobalt	0.100	0.1025		mg/L		103	80 - 120	2	20
Iron	0.500	0.5104		mg/L		102	80 - 120	2	20
Lead	0.100	0.1014		mg/L		101	80 - 120	1	20
Molybdenum	0.100	0.1030		mg/L		103	80 - 120	2	20
Selenium	0.100	0.09872		mg/L		99	80 - 120	0	20
Thallium	0.100	0.1017		mg/L		102	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-238693/1-A
Matrix: Water
Analysis Batch: 239008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/29/25 23:46	1

Lab Sample ID: LCS 860-238693/2-A
Matrix: Water
Analysis Batch: 239008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001900		mg/L		95	80 - 120

Lab Sample ID: LCSD 860-238693/3-A
Matrix: Water
Analysis Batch: 239008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 238693

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001920		mg/L		96	80 - 120	1	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 860-238694/1-A
Matrix: Water
Analysis Batch: 239008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238694

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 00:29	1

Lab Sample ID: LCS 860-238694/2-A
Matrix: Water
Analysis Batch: 239008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238694

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001940		mg/L		97	80 - 120		

Lab Sample ID: LCSD 860-238694/3-A
Matrix: Water
Analysis Batch: 239008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 238694

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001940		mg/L		97	80 - 120	0	20

Lab Sample ID: MB 860-239027/1-A
Matrix: Water
Analysis Batch: 239288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 22:52	1

Lab Sample ID: LCS 860-239027/2-A
Matrix: Water
Analysis Batch: 239288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239027

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001897		mg/L		95	80 - 120		

Lab Sample ID: LCSD 860-239027/3-A
Matrix: Water
Analysis Batch: 239288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001915		mg/L		96	80 - 120	1	20

Lab Sample ID: 870-36562-5 MS
Matrix: Water
Analysis Batch: 239288

Client Sample ID: SFL MW-6
Prep Type: Dissolved
Prep Batch: 239027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.000104	J	0.00200	0.001894		mg/L		89	75 - 125		

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 870-36562-5 MSD
Matrix: Water
Analysis Batch: 239288

Client Sample ID: SFL MW-6
Prep Type: Dissolved
Prep Batch: 239027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000104	J	0.00200	0.001712		mg/L		80	75 - 125	10	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-238910/3
Matrix: Water
Analysis Batch: 238910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			05/29/25 12:56	1

Lab Sample ID: LCS 860-238910/4
Matrix: Water
Analysis Batch: 238910

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	241.3		mg/L		97	85 - 115

Lab Sample ID: LCSD 860-238910/5
Matrix: Water
Analysis Batch: 238910

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
Alkalinity	250	238.2		mg/L		95	85 - 115	1	20

Lab Sample ID: MB 860-239659/3
Matrix: Water
Analysis Batch: 239659

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/02/25 14:23	1

Lab Sample ID: LCS 860-239659/4
Matrix: Water
Analysis Batch: 239659

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	249.1		mg/L		100	85 - 115

Lab Sample ID: LCSD 860-239659/5
Matrix: Water
Analysis Batch: 239659

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
Alkalinity	250	241.2		mg/L		96	85 - 115	3	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-239746/3
Matrix: Water
Analysis Batch: 239746

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/02/25 17:39	1

Lab Sample ID: LCS 860-239746/6
Matrix: Water
Analysis Batch: 239746

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	239.8		mg/L		96	85 - 115		

Lab Sample ID: LCSD 860-239746/7
Matrix: Water
Analysis Batch: 239746

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
Alkalinity			250	249.1		mg/L		100	85 - 115	4	20

Lab Sample ID: 870-36562-14 DU
Matrix: Water
Analysis Batch: 239746

Client Sample ID: SSP MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	10.5			10.77		mg/L				3	20

Lab Sample ID: MB 860-239926/3
Matrix: Water
Analysis Batch: 239926

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/03/25 10:46	1

Lab Sample ID: LCS 860-239926/4
Matrix: Water
Analysis Batch: 239926

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	244.3		mg/L		98	85 - 115		

Lab Sample ID: LCSD 860-239926/5
Matrix: Water
Analysis Batch: 239926

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
Alkalinity			250	239.8		mg/L		96	85 - 115	NaN	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-28822/1
Matrix: Water
Analysis Batch: 28822

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			05/23/25 18:03	1

Lab Sample ID: LCS 870-28822/2
Matrix: Water
Analysis Batch: 28822

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1056		mg/L		106	80 - 120

Lab Sample ID: LCSD 870-28822/3
Matrix: Water
Analysis Batch: 28822

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
Total Dissolved Solids	1000	997.0		mg/L		100	80 - 120	6	10

Lab Sample ID: 870-36562-8 DU
Matrix: Water
Analysis Batch: 28822

Client Sample ID: MNW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1850		1936		mg/L		5	10

Lab Sample ID: 870-36562-21 DU
Matrix: Water
Analysis Batch: 28822

Client Sample ID: AP MWT-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1190		1272		mg/L		6	10

Lab Sample ID: MB 870-28925/1
Matrix: Water
Analysis Batch: 28925

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			05/28/25 16:55	1

Lab Sample ID: LCS 870-28925/2
Matrix: Water
Analysis Batch: 28925

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	888.0		mg/L		89	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 870-28925/3
Matrix: Water
Analysis Batch: 28925

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
Total Dissolved Solids			1000	968.0		mg/L		97	80 - 120	9	10

Lab Sample ID: 870-36562-19 DU
Matrix: Water
Analysis Batch: 28925

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2.50			2.500		mg/L				0	10

Lab Sample ID: 870-36562-20 DU
Matrix: Water
Analysis Batch: 28925

Client Sample ID: SSP MWK-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2.50			2.500		mg/L				0	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-36562-10 DU
Matrix: Water
Analysis Batch: 28871

Client Sample ID: AP MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	5.4	HF		5.4		SU				0.4	20
Temperature	19.0	HF		19.1		Celsius				0.5	20

Lab Sample ID: 870-36562-20 DU
Matrix: Water
Analysis Batch: 28871

Client Sample ID: SSP MWK-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	5.5	HF		5.6		SU				2	20
Temperature	19.2	HF		19.3		Celsius				0.5	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-719614/1-A
Matrix: Water
Analysis Batch: 723580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719614

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-11.48	U G	24.5	24.5	50.0	60.9	pCi/L	05/28/25 15:06	06/20/25 14:30	1
Radium-228	-11.71	U	24.8	24.9	50.0	47.1	pCi/L	05/28/25 15:06	06/20/25 14:30	1
Combined Radium 226 + 228	-23.19	U	34.9	34.9		60.9	pCi/L	05/28/25 15:06	06/20/25 14:30	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: LCS 160-719614/2-A
Matrix: Water
Analysis Batch: 723183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719614

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	140200		15300		979	pCi/L	98	75 - 125
Cesium-137	37900	38490		3830		156	pCi/L	101	75 - 125
Cobalt-60	53300	51630		5030		103	pCi/L	97	75 - 125

Lab Sample ID: 870-36562-4 DU
Matrix: Water
Analysis Batch: 723182

Client Sample ID: SFL MW-5
Prep Type: Total/NA
Prep Batch: 719614

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	36.4		0.5834	U G	32.4	50.0	55.9	pCi/L	0.68	1
Radium-228	10.4	U G	-5.605	U G	38.3	50.0	65.5	pCi/L	0.25	1
Combined Radium 226 + 228	46.8	U	-5.022	U	50.2		65.5	pCi/L	0.62	1

Lab Sample ID: MB 160-719812/1-A
Matrix: Water
Analysis Batch: 723201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719812

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-8.532	U G	33.5	33.5	50.0	57.3	pCi/L	05/29/25 13:14	06/19/25 13:50	1
Radium-228	-15.79	U G	31.9	31.9	50.0	58.1	pCi/L	05/29/25 13:14	06/19/25 13:50	1
Combined Radium 226 + 228	-24.32	U	46.3	46.3		58.1	pCi/L	05/29/25 13:14	06/19/25 13:50	1

Lab Sample ID: LCS 160-719812/2-A
Matrix: Water
Analysis Batch: 723195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719812

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	140300		15300		993	pCi/L	99	75 - 125
Cesium-137	37900	38480		3820		163	pCi/L	101	75 - 125
Cobalt-60	53200	51410		5010		103	pCi/L	97	75 - 125

Lab Sample ID: 870-36562-1 DU
Matrix: Water
Analysis Batch: 723201

Client Sample ID: SFL MW-2
Prep Type: Total/NA
Prep Batch: 719812

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	-26.0	U G	-20.84	U G	23.3	50.0	75.8	pCi/L	0.11	1
Radium-228	0.677	U G	-1.566	U G	1.64	50.0	67.7	pCi/L	0.47	1
Combined Radium 226 + 228	-25.4	U	-22.40	U	23.4		75.8	pCi/L	0.06	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-719703/1-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719703

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03532	U	0.175	0.175	1.00	0.345	pCi/L	05/29/25 08:05	06/23/25 16:25	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110	05/29/25 08:05	06/23/25 16:25	1

Lab Sample ID: LCS 160-719703/2-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719703

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.933		1.15	1.00	0.330	pCi/L	83	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.1		30 - 110

Lab Sample ID: LCSD 160-719703/3-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 719703

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.58	9.131		1.29	1.00	0.324	pCi/L	95	75 - 125	0.49	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	80.1		30 - 110

Lab Sample ID: MB 160-720084/1-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720084

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.008783	U	0.122	0.122	1.00	0.258	pCi/L	05/30/25 07:54	06/23/25 07:21	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110	05/30/25 07:54	06/23/25 07:21	1

Lab Sample ID: LCS 160-720084/2-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720084

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.086		1.16	1.00	0.242	pCi/L	95	75 - 125		

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-720084/2-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720084

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-719706/1-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719706

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4860	U	0.373	0.375	1.00	0.568	pCi/L	05/29/25 08:08	06/23/25 14:06	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110	05/29/25 08:08	06/23/25 14:06	1
Y Carrier	78.5		30 - 110	05/29/25 08:08	06/23/25 14:06	1

Lab Sample ID: LCS 160-719706/2-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719706

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.32	10.78		1.50	1.00	0.675	pCi/L	116	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.1		30 - 110
Y Carrier	75.9		30 - 110

Lab Sample ID: LCSD 160-719706/3-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 719706

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			9.32	10.62		1.50	1.00	0.666	pCi/L	114	75 - 125	0.05	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	80.1		30 - 110
Y Carrier	77.0		30 - 110

Lab Sample ID: MB 160-720089/1-A
Matrix: Water
Analysis Batch: 723691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720089

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3916	U	0.329	0.331	1.00	0.511	pCi/L	05/30/25 07:58	06/22/25 10:49	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110	05/30/25 07:58	06/22/25 10:49	1
Y Carrier	78.5		30 - 110	05/30/25 07:58	06/22/25 10:49	1

Lab Sample ID: LCS 160-720089/2-A
Matrix: Water
Analysis Batch: 723691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720089

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.33	11.36		1.53	1.00	0.639	pCi/L	122	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.8		30 - 110
Y Carrier	75.9		30 - 110

HPLC/IC

Analysis Batch: 238762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	9056A	
870-36562-2	SFL MW-3	Total/NA	Water	9056A	
870-36562-3	SFL MW-4	Total/NA	Water	9056A	
870-36562-4	SFL MW-5	Total/NA	Water	9056A	
870-36562-5	SFL MW-6	Total/NA	Water	9056A	
870-36562-6	SFL MW-7	Total/NA	Water	9056A	
870-36562-7	MNW-15	Total/NA	Water	9056A	
870-36562-8	MNW-18	Total/NA	Water	9056A	
870-36562-8	MNW-18	Total/NA	Water	9056A	
870-36562-9	AP MW-1D	Total/NA	Water	9056A	
870-36562-13	SSP/AP MW-1	Total/NA	Water	9056A	
870-36562-13	SSP/AP MW-1	Total/NA	Water	9056A	
870-36562-14	SSP MW-2	Total/NA	Water	9056A	
MB 860-238762/3	Method Blank	Total/NA	Water	9056A	
MB 860-238762/62	Method Blank	Total/NA	Water	9056A	
LCS 860-238762/4	Lab Control Sample	Total/NA	Water	9056A	
LCS 860-238762/63	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-238762/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LCSD 860-238762/64	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-238762/7	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 238801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-15	SSP MW-3	Total/NA	Water	9056A	
870-36562-16	SSP MW-4	Total/NA	Water	9056A	
870-36562-17	FB-01	Total/NA	Water	9056A	
870-36562-18	FB-02	Total/NA	Water	9056A	
870-36562-19	FB-03	Total/NA	Water	9056A	
870-36562-20	SSP MWK-3	Total/NA	Water	9056A	
870-36562-21	AP MWT-3	Total/NA	Water	9056A	
870-36562-22	SFL MWT-2	Total/NA	Water	9056A	
MB 860-238801/3	Method Blank	Total/NA	Water	9056A	
LCS 860-238801/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-238801/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-238801/7	Lab Control Sample	Total/NA	Water	9056A	
870-36562-17 MS	FB-01	Total/NA	Water	9056A	
870-36562-17 MSD	FB-01	Total/NA	Water	9056A	
870-36562-22 MS	SFL MWT-2	Total/NA	Water	9056A	
870-36562-22 MSD	SFL MWT-2	Total/NA	Water	9056A	

Analysis Batch: 239072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-10	AP MW-3	Total/NA	Water	9056A	
870-36562-11	AP MW-4	Total/NA	Water	9056A	
870-36562-12	AP MW-5	Total/NA	Water	9056A	
870-36562-12	AP MW-5	Total/NA	Water	9056A	
MB 860-239072/3	Method Blank	Total/NA	Water	9056A	
LCS 860-239072/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-239072/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-239072/7	Lab Control Sample	Total/NA	Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 239072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-10 MS	AP MW-3	Total/NA	Water	9056A	
870-36562-10 MSD	AP MW-3	Total/NA	Water	9056A	

Analysis Batch: 239657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-10 - DL	AP MW-3	Total/NA	Water	9056A	
870-36562-21 - DL	AP MWT-3	Total/NA	Water	9056A	
MB 860-239657/13	Method Blank	Total/NA	Water	9056A	
LCS 860-239657/14	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-239657/15	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-239657/17	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 238693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	7470A	
870-36562-2	SFL MW-3	Total/NA	Water	7470A	
870-36562-3	SFL MW-4	Total/NA	Water	7470A	
870-36562-4	SFL MW-5	Total/NA	Water	7470A	
870-36562-5	SFL MW-6	Total/NA	Water	7470A	
870-36562-7	MNW-15	Total/NA	Water	7470A	
870-36562-10	AP MW-3	Total/NA	Water	7470A	
870-36562-11	AP MW-4	Total/NA	Water	7470A	
870-36562-12	AP MW-5	Total/NA	Water	7470A	
870-36562-13	SSP/AP MW-1	Total/NA	Water	7470A	
870-36562-14	SSP MW-2	Total/NA	Water	7470A	
870-36562-15	SSP MW-3	Total/NA	Water	7470A	
870-36562-16	SSP MW-4	Total/NA	Water	7470A	
870-36562-17	FB-01	Total/NA	Water	7470A	
870-36562-18	FB-02	Total/NA	Water	7470A	
870-36562-19	FB-03	Total/NA	Water	7470A	
870-36562-20	SSP MWK-3	Total/NA	Water	7470A	
870-36562-21	AP MWT-3	Total/NA	Water	7470A	
MB 860-238693/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-238693/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-238693/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 238694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-6	SFL MW-7	Total/NA	Water	7470A	
870-36562-8	MNW-18	Total/NA	Water	7470A	
870-36562-9	AP MW-1D	Total/NA	Water	7470A	
870-36562-22	SFL MWT-2	Total/NA	Water	7470A	
MB 860-238694/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-238694/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-238694/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Metals

Leach Batch: 238744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-238744/1-B	Method Blank	Total/NA	Water	1312	

Prep Batch: 238821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	3010A	
870-36562-2	SFL MW-3	Total/NA	Water	3010A	
870-36562-3	SFL MW-4	Total/NA	Water	3010A	
870-36562-4	SFL MW-5	Total/NA	Water	3010A	
870-36562-7	MNW-15	Total/NA	Water	3010A	
870-36562-8	MNW-18	Total/NA	Water	3010A	
870-36562-9	AP MW-1D	Total/NA	Water	3010A	
870-36562-10	AP MW-3	Total/NA	Water	3010A	
870-36562-12	AP MW-5	Total/NA	Water	3010A	
870-36562-16	SSP MW-4	Total/NA	Water	3010A	
870-36562-17	FB-01	Total/NA	Water	3010A	
870-36562-21	AP MWT-3	Total/NA	Water	3010A	
MB 860-238821/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-238821/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-238821/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 238833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-11	AP MW-4	Total/NA	Water	3010A	
870-36562-13	SSP/AP MW-1	Total/NA	Water	3010A	
870-36562-14	SSP MW-2	Total/NA	Water	3010A	
870-36562-15	SSP MW-3	Total/NA	Water	3010A	
870-36562-18	FB-02	Total/NA	Water	3010A	
MB 860-238833/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-238833/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-238833/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Filtration Batch: 238855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-238855/1-B	Method Blank	Total/NA	Water	Filtration	
LCS 860-238855/2-B	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-238855/3-B	Lab Control Sample Dup	Total/NA	Water	Filtration	

Analysis Batch: 238926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	6020B	238821
870-36562-2	SFL MW-3	Total/NA	Water	6020B	238821
870-36562-2	SFL MW-3	Total/NA	Water	6020B	238821
870-36562-3	SFL MW-4	Total/NA	Water	6020B	238821
870-36562-4	SFL MW-5	Total/NA	Water	6020B	238821
870-36562-7	MNW-15	Total/NA	Water	6020B	238821
870-36562-7	MNW-15	Total/NA	Water	6020B	238821
870-36562-8	MNW-18	Total/NA	Water	6020B	238821
870-36562-9	AP MW-1D	Total/NA	Water	6020B	238821
870-36562-10	AP MW-3	Total/NA	Water	6020B	238821
870-36562-12	AP MW-5	Total/NA	Water	6020B	238821

Metals (Continued)

Analysis Batch: 238926 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-12	AP MW-5	Total/NA	Water	6020B	238821
870-36562-16	SSP MW-4	Total/NA	Water	6020B	238821
870-36562-17	FB-01	Total/NA	Water	6020B	238821
870-36562-21	AP MWT-3	Total/NA	Water	6020B	238821
MB 860-238821/1-A	Method Blank	Total/NA	Water	6020B	238821
LCS 860-238821/2-A	Lab Control Sample	Total/NA	Water	6020B	238821
LCSD 860-238821/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	238821

Analysis Batch: 239008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	7470A	238693
870-36562-2	SFL MW-3	Total/NA	Water	7470A	238693
870-36562-3	SFL MW-4	Total/NA	Water	7470A	238693
870-36562-4	SFL MW-5	Total/NA	Water	7470A	238693
870-36562-5	SFL MW-6	Total/NA	Water	7470A	238693
870-36562-6	SFL MW-7	Total/NA	Water	7470A	238694
870-36562-7	MNW-15	Total/NA	Water	7470A	238693
870-36562-8	MNW-18	Total/NA	Water	7470A	238694
870-36562-9	AP MW-1D	Total/NA	Water	7470A	238694
870-36562-10	AP MW-3	Total/NA	Water	7470A	238693
870-36562-11	AP MW-4	Total/NA	Water	7470A	238693
870-36562-12	AP MW-5	Total/NA	Water	7470A	238693
870-36562-13	SSP/AP MW-1	Total/NA	Water	7470A	238693
870-36562-14	SSP MW-2	Total/NA	Water	7470A	238693
870-36562-15	SSP MW-3	Total/NA	Water	7470A	238693
870-36562-16	SSP MW-4	Total/NA	Water	7470A	238693
870-36562-17	FB-01	Total/NA	Water	7470A	238693
870-36562-18	FB-02	Total/NA	Water	7470A	238693
870-36562-19	FB-03	Total/NA	Water	7470A	238693
870-36562-20	SSP MWK-3	Total/NA	Water	7470A	238693
870-36562-21	AP MWT-3	Total/NA	Water	7470A	238693
870-36562-22	SFL MWT-2	Total/NA	Water	7470A	238694
MB 860-238693/1-A	Method Blank	Total/NA	Water	7470A	238693
MB 860-238694/1-A	Method Blank	Total/NA	Water	7470A	238694
LCS 860-238693/2-A	Lab Control Sample	Total/NA	Water	7470A	238693
LCS 860-238694/2-A	Lab Control Sample	Total/NA	Water	7470A	238694
LCSD 860-238693/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	238693
LCSD 860-238694/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	238694

Prep Batch: 239027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-5	SFL MW-6	Dissolved	Water	7470A	
870-36562-15	SSP MW-3	Dissolved	Water	7470A	
870-36562-20	SSP MWK-3	Dissolved	Water	7470A	
MB 860-239027/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-239027/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-239027/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-36562-5 MS	SFL MW-6	Dissolved	Water	7470A	
870-36562-5 MSD	SFL MW-6	Dissolved	Water	7470A	

Metals

Prep Batch: 239052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-5	SFL MW-6	Total/NA	Water	3010A	
870-36562-19	FB-03	Total/NA	Water	3010A	
870-36562-20	SSP MWK-3	Total/NA	Water	3010A	
870-36562-22	SFL MWT-2	Total/NA	Water	3010A	
LB 860-238744/1-B	Method Blank	Total/NA	Water	3010A	238744
MB 860-238855/1-B	Method Blank	Total/NA	Water	3010A	238855
LCS 860-238855/2-B	Lab Control Sample	Total/NA	Water	3010A	238855
LCSD 860-238855/3-B	Lab Control Sample Dup	Total/NA	Water	3010A	238855

Prep Batch: 239080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-6	SFL MW-7	Total/NA	Water	3010A	
MB 860-239080/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239080/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239080/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 239114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-2	SFL MW-3	Total/NA	Water	3010A	
870-36562-3	SFL MW-4	Total/NA	Water	3010A	
870-36562-4	SFL MW-5	Total/NA	Water	3010A	
870-36562-7	MNW-15	Total/NA	Water	3010A	
870-36562-10	AP MW-3	Total/NA	Water	3010A	
870-36562-12	AP MW-5	Total/NA	Water	3010A	
870-36562-16	SSP MW-4	Total/NA	Water	3010A	
870-36562-17	FB-01	Total/NA	Water	3010A	
870-36562-21	AP MWT-3	Total/NA	Water	3010A	
MB 860-239114/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239114/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239114/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 239145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	3010A	
870-36562-5	SFL MW-6	Total/NA	Water	3010A	
870-36562-11	AP MW-4	Total/NA	Water	3010A	
870-36562-13	SSP/AP MW-1	Total/NA	Water	3010A	
870-36562-14	SSP MW-2	Total/NA	Water	3010A	
870-36562-15	SSP MW-3	Total/NA	Water	3010A	
870-36562-18	FB-02	Total/NA	Water	3010A	
870-36562-19	FB-03	Total/NA	Water	3010A	
870-36562-20	SSP MWK-3	Total/NA	Water	3010A	
870-36562-22	SFL MWT-2	Total/NA	Water	3010A	
MB 860-239145/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239145/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239145/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-36562-1 MS	SFL MW-2	Total/NA	Water	3010A	
870-36562-1 MSD	SFL MW-2	Total/NA	Water	3010A	

Metals

Prep Batch: 239147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-6	SFL MW-7	Total/NA	Water	3010A	
870-36562-8	MNW-18	Total/NA	Water	3010A	
870-36562-9	AP MW-1D	Total/NA	Water	3010A	
MB 860-239147/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239147/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239147/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 239158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-11	AP MW-4	Total/NA	Water	6020B	238833
870-36562-13	SSP/AP MW-1	Total/NA	Water	6020B	238833
870-36562-14	SSP MW-2	Total/NA	Water	6020B	238833
870-36562-15	SSP MW-3	Total/NA	Water	6020B	238833
870-36562-18	FB-02	Total/NA	Water	6020B	238833
MB 860-238833/1-A	Method Blank	Total/NA	Water	6020B	238833
LCS 860-238833/2-A	Lab Control Sample	Total/NA	Water	6020B	238833
LCSD 860-238833/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	238833

Analysis Batch: 239288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-5	SFL MW-6	Dissolved	Water	7470A	239027
870-36562-15	SSP MW-3	Dissolved	Water	7470A	239027
870-36562-20	SSP MWK-3	Dissolved	Water	7470A	239027
MB 860-239027/1-A	Method Blank	Total/NA	Water	7470A	239027
LCS 860-239027/2-A	Lab Control Sample	Total/NA	Water	7470A	239027
LCSD 860-239027/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	239027
870-36562-5 MS	SFL MW-6	Dissolved	Water	7470A	239027
870-36562-5 MSD	SFL MW-6	Dissolved	Water	7470A	239027

Analysis Batch: 239331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-2	SFL MW-3	Total/NA	Water	6010D	239114
870-36562-2	SFL MW-3	Total/NA	Water	6010D	239114
870-36562-3	SFL MW-4	Total/NA	Water	6010D	239114
870-36562-3	SFL MW-4	Total/NA	Water	6010D	239114
870-36562-4	SFL MW-5	Total/NA	Water	6010D	239114
870-36562-4	SFL MW-5	Total/NA	Water	6010D	239114
870-36562-7	MNW-15	Total/NA	Water	6010D	239114
870-36562-7	MNW-15	Total/NA	Water	6010D	239114
870-36562-10	AP MW-3	Total/NA	Water	6010D	239114
870-36562-12	AP MW-5	Total/NA	Water	6010D	239114
870-36562-12	AP MW-5	Total/NA	Water	6010D	239114
870-36562-16	SSP MW-4	Total/NA	Water	6010D	239114
870-36562-16	SSP MW-4	Total/NA	Water	6010D	239114
870-36562-17	FB-01	Total/NA	Water	6010D	239114
870-36562-21	AP MWT-3	Total/NA	Water	6010D	239114
MB 860-239114/1-A	Method Blank	Total/NA	Water	6010D	239114
LCS 860-239114/2-A	Lab Control Sample	Total/NA	Water	6010D	239114
LCSD 860-239114/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	239114

Metals

Analysis Batch: 239360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-5	SFL MW-6	Total/NA	Water	6020B	239052
870-36562-5	SFL MW-6	Total/NA	Water	6020B	239052
870-36562-6	SFL MW-7	Total/NA	Water	6020B	239080
870-36562-19	FB-03	Total/NA	Water	6020B	239052
870-36562-20	SSP MWK-3	Total/NA	Water	6020B	239052
870-36562-22	SFL MWT-2	Total/NA	Water	6020B	239052
LB 860-238744/1-B	Method Blank	Total/NA	Water	6020B	239052
MB 860-238855/1-B	Method Blank	Total/NA	Water	6020B	239052
MB 860-239080/1-A	Method Blank	Total/NA	Water	6020B	239080
LCS 860-238855/2-B	Lab Control Sample	Total/NA	Water	6020B	239052
LCS 860-239080/2-A	Lab Control Sample	Total/NA	Water	6020B	239080
LCSD 860-238855/3-B	Lab Control Sample Dup	Total/NA	Water	6020B	239052
LCSD 860-239080/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	239080

Prep Batch: 239505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-5	SFL MW-6	Dissolved	Water	3010A	
870-36562-15	SSP MW-3	Dissolved	Water	3010A	
870-36562-20	SSP MWK-3	Dissolved	Water	3010A	
MB 860-239505/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239505/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239505/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 239598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-5	SFL MW-6	Total/NA	Water	6020B	239052
870-36562-22	SFL MWT-2	Total/NA	Water	6020B	239052

Analysis Batch: 239604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	6010D	239145
870-36562-1	SFL MW-2	Total/NA	Water	6010D	239145
870-36562-1	SFL MW-2	Total/NA	Water	6010D	239145
870-36562-5	SFL MW-6	Total/NA	Water	6010D	239145
870-36562-5	SFL MW-6	Total/NA	Water	6010D	239145
870-36562-6	SFL MW-7	Total/NA	Water	6010D	239147
870-36562-6	SFL MW-7	Total/NA	Water	6010D	239147
870-36562-8	MNW-18	Total/NA	Water	6010D	239147
870-36562-8	MNW-18	Total/NA	Water	6010D	239147
870-36562-9	AP MW-1D	Total/NA	Water	6010D	239147
870-36562-11	AP MW-4	Total/NA	Water	6010D	239145
870-36562-11	AP MW-4	Total/NA	Water	6010D	239145
870-36562-13	SSP/AP MW-1	Total/NA	Water	6010D	239145
870-36562-13	SSP/AP MW-1	Total/NA	Water	6010D	239145
870-36562-14	SSP MW-2	Total/NA	Water	6010D	239145
870-36562-14	SSP MW-2	Total/NA	Water	6010D	239145
870-36562-15	SSP MW-3	Total/NA	Water	6010D	239145
870-36562-15	SSP MW-3	Total/NA	Water	6010D	239145
870-36562-17	FB-01	Total/NA	Water	6010D	239114
870-36562-18	FB-02	Total/NA	Water	6010D	239145

Metals (Continued)

Analysis Batch: 239604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-19	FB-03	Total/NA	Water	6010D	239145
870-36562-20	SSP MWK-3	Total/NA	Water	6010D	239145
870-36562-21	AP MWT-3	Total/NA	Water	6010D	239114
870-36562-22	SFL MWT-2	Total/NA	Water	6010D	239145
870-36562-22	SFL MWT-2	Total/NA	Water	6010D	239145
MB 860-239145/1-A	Method Blank	Total/NA	Water	6010D	239145
MB 860-239147/1-A	Method Blank	Total/NA	Water	6010D	239147
LCS 860-239145/2-A	Lab Control Sample	Total/NA	Water	6010D	239145
LCS 860-239147/2-A	Lab Control Sample	Total/NA	Water	6010D	239147
LCSD 860-239145/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	239145
LCSD 860-239147/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	239147
870-36562-1 MS	SFL MW-2	Total/NA	Water	6010D	239145
870-36562-1 MSD	SFL MW-2	Total/NA	Water	6010D	239145

Analysis Batch: 239752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-5	SFL MW-6	Dissolved	Water	6010D	239505
870-36562-5	SFL MW-6	Dissolved	Water	6010D	239505
870-36562-15	SSP MW-3	Dissolved	Water	6010D	239505
870-36562-15	SSP MW-3	Dissolved	Water	6010D	239505
870-36562-20	SSP MWK-3	Dissolved	Water	6010D	239505
MB 860-239505/1-A	Method Blank	Total/NA	Water	6010D	239505
LCS 860-239505/2-A	Lab Control Sample	Total/NA	Water	6010D	239505
LCSD 860-239505/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	239505

General Chemistry

Analysis Batch: 28822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	SM 2540C	
870-36562-2	SFL MW-3	Total/NA	Water	SM 2540C	
870-36562-3	SFL MW-4	Total/NA	Water	SM 2540C	
870-36562-4	SFL MW-5	Total/NA	Water	SM 2540C	
870-36562-5	SFL MW-6	Total/NA	Water	SM 2540C	
870-36562-6	SFL MW-7	Total/NA	Water	SM 2540C	
870-36562-7	MNW-15	Total/NA	Water	SM 2540C	
870-36562-8	MNW-18	Total/NA	Water	SM 2540C	
870-36562-9	AP MW-1D	Total/NA	Water	SM 2540C	
870-36562-10	AP MW-3	Total/NA	Water	SM 2540C	
870-36562-11	AP MW-4	Total/NA	Water	SM 2540C	
870-36562-12	AP MW-5	Total/NA	Water	SM 2540C	
870-36562-14	SSP MW-2	Total/NA	Water	SM 2540C	
870-36562-17	FB-01	Total/NA	Water	SM 2540C	
870-36562-18	FB-02	Total/NA	Water	SM 2540C	
870-36562-21	AP MWT-3	Total/NA	Water	SM 2540C	
870-36562-22	SFL MWT-2	Total/NA	Water	SM 2540C	
MB 870-28822/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-28822/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-28822/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-36562-8 DU	MNW-18	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 28822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-21 DU	AP MWT-3	Total/NA	Water	SM 2540C	

Analysis Batch: 28871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	SM 4500 H+ B	
870-36562-2	SFL MW-3	Total/NA	Water	SM 4500 H+ B	
870-36562-3	SFL MW-4	Total/NA	Water	SM 4500 H+ B	
870-36562-4	SFL MW-5	Total/NA	Water	SM 4500 H+ B	
870-36562-5	SFL MW-6	Total/NA	Water	SM 4500 H+ B	
870-36562-6	SFL MW-7	Total/NA	Water	SM 4500 H+ B	
870-36562-7	MNW-15	Total/NA	Water	SM 4500 H+ B	
870-36562-8	MNW-18	Total/NA	Water	SM 4500 H+ B	
870-36562-9	AP MW-1D	Total/NA	Water	SM 4500 H+ B	
870-36562-10	AP MW-3	Total/NA	Water	SM 4500 H+ B	
870-36562-11	AP MW-4	Total/NA	Water	SM 4500 H+ B	
870-36562-12	AP MW-5	Total/NA	Water	SM 4500 H+ B	
870-36562-13	SSP/AP MW-1	Total/NA	Water	SM 4500 H+ B	
870-36562-14	SSP MW-2	Total/NA	Water	SM 4500 H+ B	
870-36562-15	SSP MW-3	Total/NA	Water	SM 4500 H+ B	
870-36562-16	SSP MW-4	Total/NA	Water	SM 4500 H+ B	
870-36562-17	FB-01	Total/NA	Water	SM 4500 H+ B	
870-36562-18	FB-02	Total/NA	Water	SM 4500 H+ B	
870-36562-19	FB-03	Total/NA	Water	SM 4500 H+ B	
870-36562-20	SSP MWK-3	Total/NA	Water	SM 4500 H+ B	
870-36562-10 DU	AP MW-3	Total/NA	Water	SM 4500 H+ B	
870-36562-20 DU	SSP MWK-3	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 28925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-13	SSP/AP MW-1	Total/NA	Water	SM 2540C	
870-36562-15	SSP MW-3	Total/NA	Water	SM 2540C	
870-36562-16	SSP MW-4	Total/NA	Water	SM 2540C	
870-36562-19	FB-03	Total/NA	Water	SM 2540C	
870-36562-20	SSP MWK-3	Total/NA	Water	SM 2540C	
MB 870-28925/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-28925/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-28925/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-36562-19 DU	FB-03	Total/NA	Water	SM 2540C	
870-36562-20 DU	SSP MWK-3	Total/NA	Water	SM 2540C	

Analysis Batch: 28926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-21	AP MWT-3	Total/NA	Water	SM 4500 H+ B	
870-36562-22	SFL MWT-2	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 238910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	SM 2320B	
MB 860-238910/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-238910/4	Lab Control Sample	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 238910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-238910/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 239659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-2	SFL MW-3	Total/NA	Water	SM 2320B	
870-36562-3	SFL MW-4	Total/NA	Water	SM 2320B	
870-36562-5	SFL MW-6	Total/NA	Water	SM 2320B	
870-36562-6	SFL MW-7	Total/NA	Water	SM 2320B	
870-36562-7	MNW-15	Total/NA	Water	SM 2320B	
870-36562-8	MNW-18	Total/NA	Water	SM 2320B	
870-36562-9	AP MW-1D	Total/NA	Water	SM 2320B	
870-36562-10	AP MW-3	Total/NA	Water	SM 2320B	
870-36562-17	FB-01	Total/NA	Water	SM 2320B	
870-36562-18	FB-02	Total/NA	Water	SM 2320B	
870-36562-21	AP MWT-3	Total/NA	Water	SM 2320B	
870-36562-22	SFL MWT-2	Total/NA	Water	SM 2320B	
MB 860-239659/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-239659/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-239659/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 239746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-11	AP MW-4	Total/NA	Water	SM 2320B	
870-36562-12	AP MW-5	Total/NA	Water	SM 2320B	
870-36562-13	SSP/AP MW-1	Total/NA	Water	SM 2320B	
870-36562-14	SSP MW-2	Total/NA	Water	SM 2320B	
870-36562-16	SSP MW-4	Total/NA	Water	SM 2320B	
870-36562-19	FB-03	Total/NA	Water	SM 2320B	
870-36562-20	SSP MWK-3	Total/NA	Water	SM 2320B	
MB 860-239746/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-239746/6	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-239746/7	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-36562-14 DU	SSP MW-2	Total/NA	Water	SM 2320B	

Analysis Batch: 239926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-4	SFL MW-5	Total/NA	Water	SM 2320B	
870-36562-15	SSP MW-3	Total/NA	Water	SM 2320B	
MB 860-239926/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-239926/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-239926/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 719614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-4	SFL MW-5	Total/NA	Water	Fill_Geo-21	
870-36562-5	SFL MW-6	Total/NA	Water	Fill_Geo-21	
870-36562-6	SFL MW-7	Total/NA	Water	Fill_Geo-21	
870-36562-7	MNW-15	Total/NA	Water	Fill_Geo-21	

Rad (Continued)

Prep Batch: 719614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-8	MNW-18	Total/NA	Water	Fill_Geo-21	
870-36562-9	AP MW-1D	Total/NA	Water	Fill_Geo-21	
870-36562-10	AP MW-3	Total/NA	Water	Fill_Geo-21	
870-36562-11	AP MW-4	Total/NA	Water	Fill_Geo-21	
870-36562-12	AP MW-5	Total/NA	Water	Fill_Geo-21	
870-36562-13	SSP/AP MW-1	Total/NA	Water	Fill_Geo-21	
870-36562-14	SSP MW-2	Total/NA	Water	Fill_Geo-21	
870-36562-15	SSP MW-3	Total/NA	Water	Fill_Geo-21	
870-36562-16	SSP MW-4	Total/NA	Water	Fill_Geo-21	
870-36562-17	FB-01	Total/NA	Water	Fill_Geo-21	
870-36562-18	FB-02	Total/NA	Water	Fill_Geo-21	
870-36562-22	SFL MWT-2	Total/NA	Water	Fill_Geo-21	
MB 160-719614/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-719614/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-36562-4 DU	SFL MW-5	Total/NA	Water	Fill_Geo-21	

Prep Batch: 719703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-4	SFL MW-5	Total/NA	Water	PrecSep-21	
870-36562-5	SFL MW-6	Total/NA	Water	PrecSep-21	
870-36562-6	SFL MW-7	Total/NA	Water	PrecSep-21	
870-36562-7	MNW-15	Total/NA	Water	PrecSep-21	
870-36562-8	MNW-18	Total/NA	Water	PrecSep-21	
870-36562-9	AP MW-1D	Total/NA	Water	PrecSep-21	
870-36562-10	AP MW-3	Total/NA	Water	PrecSep-21	
870-36562-11	AP MW-4	Total/NA	Water	PrecSep-21	
870-36562-12	AP MW-5	Total/NA	Water	PrecSep-21	
870-36562-13	SSP/AP MW-1	Total/NA	Water	PrecSep-21	
870-36562-14	SSP MW-2	Total/NA	Water	PrecSep-21	
870-36562-15	SSP MW-3	Total/NA	Water	PrecSep-21	
870-36562-16	SSP MW-4	Total/NA	Water	PrecSep-21	
870-36562-17	FB-01	Total/NA	Water	PrecSep-21	
870-36562-18	FB-02	Total/NA	Water	PrecSep-21	
870-36562-22	SFL MWT-2	Total/NA	Water	PrecSep-21	
MB 160-719703/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-719703/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-719703/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 719706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-4	SFL MW-5	Total/NA	Water	PrecSep_0	
870-36562-5	SFL MW-6	Total/NA	Water	PrecSep_0	
870-36562-6	SFL MW-7	Total/NA	Water	PrecSep_0	
870-36562-7	MNW-15	Total/NA	Water	PrecSep_0	
870-36562-8	MNW-18	Total/NA	Water	PrecSep_0	
870-36562-9	AP MW-1D	Total/NA	Water	PrecSep_0	
870-36562-10	AP MW-3	Total/NA	Water	PrecSep_0	
870-36562-11	AP MW-4	Total/NA	Water	PrecSep_0	
870-36562-12	AP MW-5	Total/NA	Water	PrecSep_0	
870-36562-13	SSP/AP MW-1	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 719706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-14	SSP MW-2	Total/NA	Water	PrecSep_0	
870-36562-15	SSP MW-3	Total/NA	Water	PrecSep_0	
870-36562-16	SSP MW-4	Total/NA	Water	PrecSep_0	
870-36562-17	FB-01	Total/NA	Water	PrecSep_0	
870-36562-18	FB-02	Total/NA	Water	PrecSep_0	
870-36562-22	SFL MWT-2	Total/NA	Water	PrecSep_0	
MB 160-719706/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-719706/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-719706/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 719812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	Fill_Geo-21	
870-36562-2	SFL MW-3	Total/NA	Water	Fill_Geo-21	
870-36562-3	SFL MW-4	Total/NA	Water	Fill_Geo-21	
870-36562-19	FB-03	Total/NA	Water	Fill_Geo-21	
870-36562-20	SSP MWK-3	Total/NA	Water	Fill_Geo-21	
870-36562-21	AP MWT-3	Total/NA	Water	Fill_Geo-21	
MB 160-719812/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-719812/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-36562-1 DU	SFL MW-2	Total/NA	Water	Fill_Geo-21	

Prep Batch: 720084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	PrecSep-21	
870-36562-2	SFL MW-3	Total/NA	Water	PrecSep-21	
870-36562-3	SFL MW-4	Total/NA	Water	PrecSep-21	
870-36562-19	FB-03	Total/NA	Water	PrecSep-21	
870-36562-20	SSP MWK-3	Total/NA	Water	PrecSep-21	
870-36562-21	AP MWT-3	Total/NA	Water	PrecSep-21	
MB 160-720084/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-720084/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 720089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36562-1	SFL MW-2	Total/NA	Water	PrecSep_0	
870-36562-2	SFL MW-3	Total/NA	Water	PrecSep_0	
870-36562-3	SFL MW-4	Total/NA	Water	PrecSep_0	
870-36562-19	FB-03	Total/NA	Water	PrecSep_0	
870-36562-20	SSP MWK-3	Total/NA	Water	PrecSep_0	
870-36562-21	AP MWT-3	Total/NA	Water	PrecSep_0	
MB 160-720089/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-720089/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-2

Date Collected: 05/20/25 13:35
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/29/25 21:57	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:09	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		5			239604	06/02/25 11:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 11:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 20:52	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:00	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			238910	05/29/25 14:54	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:00	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719812	05/29/25 13:14	HGB	EET SL
Total/NA	Analysis	901.1		1			723196	06/19/25 13:52	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.37 mL	1.0 g	720084	05/30/25 07:54	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 07:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.37 mL	1.0 g	720089	05/30/25 07:58	OGC	EET SL
Total/NA	Analysis	904.0		1			723691	06/22/25 10:52	SWS	EET SL

Client Sample ID: SFL MW-3

Date Collected: 05/20/25 17:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/29/25 22:37	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:16	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		20			239331	05/30/25 19:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 20:54	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		5			238926	05/29/25 20:57	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:01	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 16:26	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28822	05/23/25 18:04	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:00	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719812	05/29/25 13:14	HGB	EET SL
Total/NA	Analysis	901.1		1			723193	06/19/25 13:54	MLS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-3

Date Collected: 05/20/25 17:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.77 mL	1.0 g	720084	05/30/25 07:54	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 07:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.77 mL	1.0 g	720089	05/30/25 07:58	OGC	EET SL
Total/NA	Analysis	904.0		1			723691	06/22/25 10:52	SWS	EET SL

Client Sample ID: SFL MW-4

Date Collected: 05/20/25 18:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/29/25 22:57	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:17	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		20			239331	05/30/25 19:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:04	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:03	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 16:29	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28822	05/23/25 18:04	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:00	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719812	05/29/25 13:14	HGB	EET SL
Total/NA	Analysis	901.1		1			723192	06/19/25 13:55	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.95 mL	1.0 g	720084	05/30/25 07:54	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 07:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.95 mL	1.0 g	720089	05/30/25 07:58	OGC	EET SL
Total/NA	Analysis	904.0		1			723691	06/22/25 10:52	SWS	EET SL

Client Sample ID: SFL MW-5

Date Collected: 05/20/25 12:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/29/25 23:17	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:19	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		20			239331	05/30/25 19:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:06	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:04	SHZ	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-5

Date Collected: 05/20/25 12:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 11:15	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:00	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723184	06/18/25 09:17	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.61 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 16:25	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.61 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:06	SWS	EET SL

Client Sample ID: SFL MW-6

Date Collected: 05/20/25 15:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/29/25 23:38	HN	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	239505	06/02/25 09:00	MD	EET HOU
Dissolved	Analysis	6010D		1			239752	06/02/25 17:36	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	239505	06/02/25 09:00	MD	EET HOU
Dissolved	Analysis	6010D		50			239752	06/02/25 17:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 11:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239052	05/30/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 14:09	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239052	05/30/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		5			239360	05/31/25 14:13	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239052	05/30/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			239598	06/01/25 13:07	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Dissolved	Analysis	7470A		1			239288	05/30/25 22:58	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:08	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 15:45	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28822	05/23/25 18:04	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:00	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723183	06/18/25 10:50	MLS	EET SL
Total/NA	Prep	PrecSep-21			501.25 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 16:25	SWS	EET SL
Total/NA	Prep	PrecSep_0			501.25 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:06	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-7

Date Collected: 05/20/25 18:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/29/25 23:58	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:43	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 13:51	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 15:46	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 01:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 16:18	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28822	05/23/25 18:04	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723184	06/18/25 10:51	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.75 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 16:25	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.75 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:07	SWS	EET SL

Client Sample ID: MNW-15

Date Collected: 05/20/25 15:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/30/25 00:38	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		20			239331	05/30/25 19:29	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:11	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		5			238926	05/29/25 21:14	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:09	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 15:52	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28822	05/23/25 18:04	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723182	06/18/25 12:58	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.15 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 16:25	SWS	EET SL

Client Sample ID: MNW-15

Date Collected: 05/20/25 15:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1006.15 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:07	SWS	EET SL

Client Sample ID: MNW-18

Date Collected: 05/20/25 14:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/30/25 00:58	HN	EET HOU
Total/NA	Analysis	9056A		100			238762	05/30/25 01:08	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:46	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 13:55	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:16	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 01:13	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 15:47	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	28822	05/23/25 18:04	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723183	06/18/25 13:00	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.14 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 16:25	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.14 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:07	SWS	EET SL

Client Sample ID: AP MW-1D

Date Collected: 05/20/25 11:35
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238762	05/30/25 01:18	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:44	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:18	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 01:14	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 15:54	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-1D

Date Collected: 05/20/25 11:35
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723184	06/18/25 13:00	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.33 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.33 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:07	SWS	EET SL

Client Sample ID: AP MW-3

Date Collected: 05/19/25 18:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			239072	05/31/25 00:02	AA	EET HOU
Total/NA	Analysis	9056A	DL	10			239657	06/03/25 15:36	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:23	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:24	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:10	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 16:03	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			722943	06/18/25 12:58	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.93 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.93 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:07	SWS	EET SL

Client Sample ID: AP MW-4

Date Collected: 05/20/25 09:10
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			239072	05/31/25 00:27	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:27	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 11:35	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:57	DP	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-4

Date Collected: 05/20/25 09:10
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 19:12	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			722942	06/18/25 12:59	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.89 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.89 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:07	SWS	EET SL

Client Sample ID: AP MW-5

Date Collected: 05/20/25 10:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			239072	05/31/25 00:44	AA	EET HOU
Total/NA	Analysis	9056A		50			239072	05/31/25 00:53	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239331	05/30/25 19:45	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:26	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		10			238926	05/29/25 21:33	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:13	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 19:46	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723181	06/18/25 13:02	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.18 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.18 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:07	SWS	EET SL

Client Sample ID: SSP/AP MW-1

Lab Sample ID: 870-36562-13

Date Collected: 05/21/25 11:25
Matrix: Water
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			238762	05/29/25 13:43	HN	EET HOU
Total/NA	Analysis	9056A		50			238762	05/29/25 13:53	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 11:37	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:59	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:14	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 18:34	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			722941	06/18/25 13:01	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.84 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.84 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 14:07	SWS	EET SL

Client Sample ID: SSP MW-2

Lab Sample ID: 870-36562-14

Date Collected: 05/20/25 09:50
Matrix: Water
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			238762	05/29/25 14:03	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:30	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 11:38	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/30/25 00:02	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 18:17	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723182	06/18/25 15:02	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.60 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.60 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:07	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-3

Date Collected: 05/21/25 18:00
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			238801	05/29/25 19:18	AA	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	239505	06/02/25 09:00	MD	EET HOU
Dissolved	Analysis	6010D		1			239752	06/02/25 17:38	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	239505	06/02/25 09:00	MD	EET HOU
Dissolved	Analysis	6010D		50			239752	06/02/25 17:43	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:32	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 11:40	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/30/25 00:04	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Dissolved	Analysis	7470A		1			239288	05/30/25 23:04	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:17	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 12:09	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723183	06/18/25 15:01	MLS	EET SL
Total/NA	Prep	PrecSep-21			756.47 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			756.47 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:07	SWS	EET SL

Client Sample ID: SSP MW-4

Date Collected: 05/21/25 13:45
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			238801	05/29/25 19:45	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:38	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239331	05/30/25 19:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:36	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:18	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 19:16	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-4

Lab Sample ID: 870-36562-16
Matrix: Water
Date Collected: 05/21/25 13:45
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723184	06/18/25 15:40	MLS	EET SL
Total/NA	Prep	PrecSep-21			1008.54 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.54 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:07	SWS	EET SL

Client Sample ID: FB-01

Lab Sample ID: 870-36562-17
Matrix: Water
Date Collected: 05/19/25 18:50
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			238801	05/29/25 20:11	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:40	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 10:57	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:38	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:20	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 16:07	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			722943	06/18/25 15:01	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.96 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.96 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:07	SWS	EET SL

Client Sample ID: FB-02

Lab Sample ID: 870-36562-18
Matrix: Water
Date Collected: 05/20/25 18:15
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			238801	05/29/25 20:51	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:45	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/30/25 00:06	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:23	SHZ	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: FB-02

Lab Sample ID: 870-36562-18
Date Collected: 05/20/25 18:15
Matrix: Water
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 15:42	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	28822	05/23/25 18:04	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			722942	06/18/25 15:02	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.60 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.60 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:07	SWS	EET SL

Client Sample ID: FB-03

Lab Sample ID: 870-36562-19
Date Collected: 05/21/25 19:10
Matrix: Water
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			238801	05/29/25 21:04	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239052	05/30/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 14:15	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:25	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 19:04	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719812	05/29/25 13:14	HGB	EET SL
Total/NA	Analysis	901.1		1			723369	06/19/25 13:55	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.94 mL	1.0 g	720084	05/30/25 07:54	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 07:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.94 mL	1.0 g	720089	05/30/25 07:58	OGC	EET SL
Total/NA	Analysis	904.0		1			723690	06/22/25 10:53	SWS	EET SL

Client Sample ID: SSP MWK-3

Lab Sample ID: 870-36562-20
Date Collected: 05/21/25 18:20
Matrix: Water
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			238801	05/29/25 21:17	AA	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	239505	06/02/25 09:00	MD	EET HOU
Dissolved	Analysis	6010D		1			239752	06/02/25 17:39	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:49	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MWK-3

Date Collected: 05/21/25 18:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	239052	05/30/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 14:17	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Dissolved	Analysis	7470A		1			239288	05/30/25 23:05	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:26	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 18:56	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28871	05/27/25 12:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719812	05/29/25 13:14	HGB	EET SL
Total/NA	Analysis	901.1		1			723195	06/19/25 16:20	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.80 mL	1.0 g	720084	05/30/25 07:54	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 07:21	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.80 mL	1.0 g	720089	05/30/25 07:58	OGC	EET SL
Total/NA	Analysis	904.0		1			723690	06/22/25 10:53	SWS	EET SL

Client Sample ID: AP MWT-3

Date Collected: 05/19/25 18:35
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			238801	05/29/25 21:57	AA	EET HOU
Total/NA	Analysis	9056A	DL	10			239657	06/03/25 15:28	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		10			239604	06/02/25 10:59	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238821	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			238926	05/29/25 21:40	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:27	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 15:59	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	28822	05/23/25 18:03	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719812	05/29/25 13:14	HGB	EET SL
Total/NA	Analysis	901.1		1			723196	06/19/25 16:20	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.52 mL	1.0 g	720084	05/30/25 07:54	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 07:21	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.52 mL	1.0 g	720089	05/30/25 07:58	OGC	EET SL
Total/NA	Analysis	904.0		1			723690	06/22/25 10:53	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MWT-2

Date Collected: 05/20/25 13:50
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36562-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			238801	05/29/25 22:10	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 11:50	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 12:01	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239052	05/30/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 14:20	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239052	05/30/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			239598	06/01/25 13:14	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:53	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239659	06/02/25 16:33	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28822	05/23/25 18:04	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723181	06/18/25 14:58	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.77 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.77 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:07	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-25

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-09-25

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-25

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36562-1
SDG: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-36562-1	SFL MW-2	Water	05/20/25 13:35	05/23/25 13:25
870-36562-2	SFL MW-3	Water	05/20/25 17:40	05/23/25 13:25
870-36562-3	SFL MW-4	Water	05/20/25 18:00	05/23/25 13:25
870-36562-4	SFL MW-5	Water	05/20/25 12:55	05/23/25 13:25
870-36562-5	SFL MW-6	Water	05/20/25 15:55	05/23/25 13:25
870-36562-6	SFL MW-7	Water	05/20/25 18:20	05/23/25 13:25
870-36562-7	MNW-15	Water	05/20/25 15:55	05/23/25 13:25
870-36562-8	MNW-18	Water	05/20/25 14:00	05/23/25 13:25
870-36562-9	AP MW-1D	Water	05/20/25 11:35	05/23/25 13:25
870-36562-10	AP MW-3	Water	05/19/25 18:20	05/23/25 13:25
870-36562-11	AP MW-4	Water	05/20/25 09:10	05/23/25 13:25
870-36562-12	AP MW-5	Water	05/20/25 10:55	05/23/25 13:25
870-36562-13	SSP/AP MW-1	Water	05/21/25 11:25	05/23/25 13:25
870-36562-14	SSP MW-2	Water	05/20/25 09:50	05/23/25 13:25
870-36562-15	SSP MW-3	Water	05/21/25 18:00	05/23/25 13:25
870-36562-16	SSP MW-4	Water	05/21/25 13:45	05/23/25 13:25
870-36562-17	FB-01	Water	05/19/25 18:50	05/23/25 13:25
870-36562-18	FB-02	Water	05/20/25 18:15	05/23/25 13:25
870-36562-19	FB-03	Water	05/21/25 19:10	05/23/25 13:25
870-36562-20	SSP MWK-3	Water	05/21/25 18:20	05/23/25 13:25
870-36562-21	AP MWT-3	Water	05/19/25 18:35	05/23/25 13:25
870-36562-22	SFL MWT-2	Water	05/20/25 13:50	05/23/25 13:25

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: MHB, ESF, CSS	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-13017-4217.1
Client Contact: Mattison Barickman	Phone: (720) 385-4021	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: HDR Engineering, Inc.	PWSID:			Job #

Address: 1670 Broadway, Suite 3400	Due Date Requested:	
City: Denver	TAT Requested (business days): 10 days (25 days for radium)	
State, Zip: CO, 80202	Compliance Project: Δ Yes Δ No	
Phone: (720) 385-4021	PO #: 10290418	
Email: mattison.barickman@hdrinc.com	WO #:	
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063	
Site: Gibbons Creek Steam Electric Station	SSOW#:	

Analysis Requested

Preservation Codes: D - HNO3; N - None

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	200.7, 200.8, 245.1 Total Metals	200.7, 200.8, 245.1 Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SFL MW-2	5/20/2025	1335	G	W	N	N	X	X	X	X	X	X		X	X	7	
SFL MW-3	5/20/2025	1740	G	W	N	N	X	X	X	X	X	X		X	X	7	
SFL MW-4	5/20/2025	1800	G	W	N	N	X	X	X	X	X	X		X	X	7	
SFL MW-5	5/20/2025	1255	G	W	N	N	X	X	X	X	X	X		X	X	7	
SFL MW-6	5/20/2025	1555	G	W	Y	N	X	X	X	X	X	X	X	X	X	8	Ff for dissolved metals only
SFL MW-7	5/20/2025	1820	G	W	N	N	X	X	X	X	X	X		X	X	7	
MNW-15	5/20/2025	1555	G	W	N	N	X	X	X	X	X	X		X	X		
MNW-18	5/20/2025	1400	G	W	N	N	X	X	X	X	X	X		X	X		
AP MW-1D	5/20/2025	1135	G	W	N	N	X	X	X	X	X	X		X	X		
AP MW-3	5/19/2025	1820	G	W	N	N	X	X	X	X	X	X		X	X		
AP MW-4	5.20.2025	0910	G	W	N	N	X	X	X	X	X	X		X	X		

870-36562 Chain of Custody

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:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Mattison Barickman	5/23/2025, 1325	HDR		5/23/25 1325	
Relinquished by:	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 1.4/1.5 0.2/0.3 -0.4/-0.3 2.0/2.1 4.4/4.5 0.4/0.5

Cooler Temperature(s) °C and Other Remarks: -1.8/-1.7 0.6/0.7 -0.4/-0.3 THM-027 CF ~~0.1~~ +0.1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: MHB, ESF, CSS	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-13017-4217.2
Client Contact: Mattison Barickman	Phone: (720) 385-4021	E-Mail: Kaitlyn.Whitlock@et eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: HDR Engineering, Inc.	PWSID:			Job #:
Address: 1670 Broadway, Suite 3400	Due Date Requested:			
City: Denver	TAT Requested (business days): 10 days (25 days for radium)			
State, Zip: CO, 80202	Compliance Project: Δ Yes Δ No			
Phone: (720) 385-4021	PO #: 10290418			
Email: mattison.barickman@hdrinc.com	WO #			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: Gibbons Creek Steam Electric Station	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	200.7, 200.8, 245.1 Total Metals	200.7, 200.8, 245.1 Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N						
AP MW-5	5/20/2025	1055	G	W	N	N	X	X	X	X	X	X		X	X					7	
SSP/AP MW-1	5/21/2025	1125	G	W	N	N	X	X	X	X	X	X		X	X					7	
SSP MW-2	5/20/2025	0950	G	W	N	N	X	X	X	X	X	X		X	X					7	
SSP MW-3	5/21/2025	1800	G	W	N	N	X	X	X	X	X	X	X	X	X					8	FF for dissolved metals only
SSP MW-4	5/21/2025	1345	G	W	N	N	X	X	X	X	X	X		X	X					7	
FB-01	5/19/2025	1850	G	W	N	N	X	X	X	X	X	X		X	X					7	
FB-02	5/20/2025	1815	G	W	N	N	X	X	X	X	X	X		X	X					7	
FB-03	5/21/2025	1910	G	W	N	N	X	X	X	X	X	X		X	X					7	
SSP MWK-3	5/21/2025	1820	G	W	N	N	X	X	X	X	X	X	X	X	X					8	
AP MWT-3	5/19/2025	1835	G	W	N	N	X	X	X	X	X	X		X	X					7	
SFL MWT-2	5/20/2025	1350	G	W	N	N	X	X	X	X	X	X		X	X					7	

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
Mattison Barickman	5/23/2025, 1325		Kwhitlock	5/23/25 1325	
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:
1.4/1.5 0.2/0.3 -0.4/-0.3 -1.8/-1.7 0.6/0.7
-0.4/-0.3 4.4/4.5 0.4/0.5 THM-0227 10.1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8431.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-36562-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/5/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	901.1_Ra/Fill_Geo_21 (MDD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-2 (870-36562-1)	5/20/25	13:35 Central	G	Water			X	X	X	2	
SFL MW-3 (870-36562-2)	5/20/25	17:40 Central	G	Water			X	X	X	2	
SFL MW-4 (870-36562-3)	5/20/25	18:00 Central	G	Water			X	X	X	2	
SFL MW-5 (870-36562-4)	5/20/25	12:55 Central	G	Water			X	X	X	2	
SFL MW-6 (870-36562-5)	5/20/25	15:55 Central	G	Water			X	X	X	2	
SFL MW-7 (870-36562-6)	5/20/25	18:20 Central	G	Water			X	X	X	2	
MNW-15 (870-36562-7)	5/20/25	15:55 Central	G	Water			X	X	X	2	
MNW-18 (870-36562-8)	5/20/25	14:00 Central	G	Water			X	X	X	2	
AP MW-1D (870-36562-9)	5/20/25	11:35 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Centrel, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements: FEDEX

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

Relinquished by:	Date/Time: 05/27/25-17	Company	Received by: MAY 27 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0705 MAY 28 2025	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

7/1/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8431.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-36562-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/5/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	901.1_RaFlil_Geo_21 (MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP MW-3 (870-36562-10)	5/19/25	18:20 Central	G	Water			X	X	X	2	
AP MW-4 (870-36562-11)	5/20/25	09:10 Central	G	Water			X	X	X	2	
AP MW-5 (870-36562-12)	5/20/25	10:55 Central	G	Water			X	X	X	2	
SSP/AP MW-1 (870-36562-13)	5/21/25	11:25 Central	G	Water			X	X	X	2	
SSP MW-2 (870-36562-14)	5/20/25	09:50 Central	G	Water			X	X	X	2	
SSP MW-3 (870-36562-15)	5/21/25	18:00 Central	G	Water			X	X	X	2	
SSP MW-4 (870-36562-16)	5/21/25	13:45 Central	G	Water			X	X	X	2	
FB-01 (870-36562-17)	5/19/25	18:50 Central	G	Water			X	X	X	2	
FB-02 (870-36562-18)	5/20/25	18:15 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 05/27/25-1700	Company	Received by: MAY 27 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0905	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time: MAY 28 2025	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8431.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-36562-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/5/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			Other: N/A
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	901.1_Ra/Fill_Geo_21 (MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FB-03 (870-36562-19)	5/21/25	19:10 Central	G	Water			X	X	X	2	
SSP MWK-3 (870-36562-20)	5/21/25	18:20 Central	G	Water			X	X	X	2	
AP MWT-3 (870-36562-21)	5/19/25	18:35 Central	G	Water			X	X	X	2	
SFL MWT-2 (870-36562-22)	5/20/25	13:50 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being anelyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements: FEDEX

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

Relinquished by:	Date/Time: 05/27/25-1700	Company	Received by: MAY 27 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0905 MAY 28 2025	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8432.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-38562-1
Address: 4146 Greenbriar Dr	Due Date Requested: 5/30/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES CCR Compliance Groundwater Monitoring	Project #: 87062063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Wastetaid, BT=Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056A_ORGFM_28D (MOD)-Local Method	2320B	6020B/3010A (MOD) CCR Appendix III/IV	7470A/7470A_Prep Mercury	6010D/3010A (MOD) Li + Minerals	6010D/FIELD_FLTRD Dissolved Metals	7470A/FIELD_FLTRD Dissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SFL MW-2 (870-38562-1)	5/20/25	13:35 Central	G	Water			X	X	X	X	X			4	
SFL MW-3 (870-38562-2)	5/20/25	17:40 Central	G	Water			X	X	X	X	X			4	
SFL MW-4 (870-38562-3)	5/20/25	18:00 Central	G	Water			X	X	X	X	X			4	
SFL MW-5 (870-38562-4)	5/20/25	12:55 Central	G	Water			X	X	X	X	X			4	
SFL MW-6 (870-38562-5)	5/20/25	15:55 Central	G	Water			X	X	X	X	X	X	X	6	Field filtered dissolved metals, Field Filtered Dissolved Hg
SFL MW-7 (870-38562-6)	5/20/25	16:20 Central	G	Water			X	X	X	X	X			4	
MNW-15 (870-38562-7)	5/20/25	15:55 Central	G	Water			X	X	X	X	X			4	
MNW-18 (870-38562-8)	5/20/25	14:00 Central	G	Water			X	X	X	X	X			4	
AP MW-1D (870-38562-9)	5/20/25	11:35 Central	G	Water			X	X	X	X	X			4	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FEDEX
Relinquished by:	Date/Time: 05/27/25 - 1700	Company	Received by: MAY 27 2025 Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 4.3

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8432.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 870-36562-1
Address: 4145 Greenbriar Dr,	Due Date Requested: 5/30/2025			Preservation Codes: -
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9066A_ORGFM_28D/ (MOD) Local Method	2320B	6020B/3010A (MOD) CCR Appendix III/IV	7470A/7470A_Prep Mercury	6010D/3010A (MOD) LI + Minerals	6010D/FIELD_FLTRD Dissolved Metals	7470A/FIELD_FLTRD Dissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
AP MW-3 (870-36562-10)	5/19/25	18:20 Central	G	Water			X	X	X	X	X			4	
AP MW-4 (870-36562-11)	5/20/25	09:10 Central	G	Water			X	X	X	X	X			4	
AP MW-5 (870-36562-12)	5/20/25	10:55 Central	G	Water			X	X	X	X	X			4	
SSP/AP MW-1 (870-36562-13)	5/21/25	11:25 Central	G	Water			X	X	X	X	X			4	
SSP MW-2 (870-36562-14)	5/20/25	09:50 Central	G	Water			X	X	X	X	X			4	
SSP MW-3 (870-36562-15)	5/21/25	18:00 Central	G	Water			X	X	X	X	X	X	X	5	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-4 (870-36562-16)	5/21/25	13:45 Central	G	Water			X	X	X	X	X			4	
FB-01 (870-36562-17)	5/19/25	18:50 Central	G	Water			X	X	X	X	X			4	
FB-02 (870-36562-18)	5/20/25	18:15 Central	G	Water			X	X	X	X	X			4	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by:	05/27/25-1700		Received by: MAY 27 2025		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.0 C 1.3

RECEIVED

Ver: 10/10/2024

7/1/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8432.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 870-36562-1
Address: 4145 Greenbriar Dr, ,	Due Date Requested: 5/30/2025			Preservation Codes: -
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056A_ORGFM_28D/ (MOD) Local Method	2320B	6020B/3010A (MOD) CCR Appendix III/IV	7470A/7470A_Prep Mercury	6010D/3010A (MOD) LI + Minerals	6010D/FIELD_FLTRD Dissolved Metals	7470A/FIELD_FLTRD Dissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
FB-03 (870-36562-19)	5/21/25	19:10 Central	G	Water			X	X	X	X	X			4	
SSP MWK-3 (870-36562-20)	5/21/25	18:20 Central	G	Water			X	X	X	X	X	X	X	5	, Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MWT-3 (870-36562-21)	5/19/25	18:35 Central	G	Water			X	X	X	X	X			4	
SFL MWT-2 (870-36562-22)	5/20/25	13:50 Central	G	Water			X	X	X	X	X			4	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	05/27/25-1700		MAY 27 2025 [signature]	RECEIVED	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.0/4.3

Ver: 10/10/2024

7/1/2025

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36562-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36562
List Number: 1
Creator: Bodnarchuk, Andrew G

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36562-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36562
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 05/28/25 09:42 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36562-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36562
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 05/28/25 12:19 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36562-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36562
List Number: 4
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 05/29/25 11:29 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Matt Barickman
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 7/2/2025 2:48:15 PM

JOB DESCRIPTION

GCSES - CCR Compliance Groundwater Monitoring
Gibbons Creek Steam Electric Station

JOB NUMBER

870-36566-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

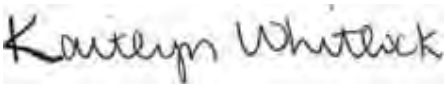
Eurofins Dallas

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
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

Table of Contents

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Definitions/Glossary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
U	Indicates the analyte was analyzed for but not detected.

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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 ID: 870-36566-1 Eurofins Dallas

Job Narrative
870-36566-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 5/23/2025 1:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were -1.7°C, 0.1°C, 0.5°C, 0.7°C, 1.3°C, 2.1°C, 2.5°C and 2.7°C.

Receipt Exceptions
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): Sample 19. The container labels list SFL MWT-1S, while the COC lists SFL MW-4S. The container label Sample ID and collecction time was used. The COC sample ID matches a different sample.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SFL MW-1S (CONTINGENCY) (870-36566-2). The container client labels list SFL MW-1S, while the COC lists SFL MW-1S (CONTINGENCY). The COC was checked and we can confirm that this is the correct sample because the collection date and time matches and that the client sample ID is just missing the (CONTINGENCY) at the end of the sample ID.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-239073 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9056A_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: AP MWT-4S (870-36566-11). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010D: The method blank for preparation batch 860-239114 and analytical batch 860-239331 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-239604 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010D: The method blank for preparation batch 860-239147 and analytical batch 860-239604 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) and post digestion spike (PDS) recoveries for preparation batch 860-238693 and analytical batch 860-239008 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recoveries were within acceptance limits.

Method 7470A: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSP MW-1 (870-36566-8). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method 2540C_Calcd: The following sample(s) was analyzed outside of analytical holding time due to being on hold. SFL MWT-1S (CONTINGENCY) (870-36566-17).

Method SM4500_H+: The following samples were received outside of holding time: SFL MW-4S (870-36566-1), SFL MW-1S (CONTINGENCY) (870-36566-2), SFL MW-8S (870-36566-3), SFL MW-8D (870-36566-4), SSP MW-4S (870-36566-5), SFL MW-7S (870-36566-6), MNW-16 (870-36566-7), SSP MW-1 (870-36566-8), SSP MW-5S (870-36566-9), AP MW-4S (870-36566-10), AP MWT-4S (870-36566-11), AP MW-1 (870-36566-12), AP PZ-1 (870-36566-13), AP MW-6 (870-36566-14), AP PZ-4 (870-36566-15) and FB-04 (870-36566-16).

Method SM4500_H+: The following sample was received outside of holding time: SFL MWT-1S (CONTINGENCY) (870-36566-17).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 719769
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226 and Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-719769/1-A).

Method 901.1_Ra: Gamma Batch 719769
The detection goal of 50.0 pCi/L was not met for Ra-226 and Ra-228 for the following samples. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
MNW-16 (870-36566-7), SSP MW-1 (870-36566-8), SSP MW-5S (870-36566-9), AP MW-4S (870-36566-10), AP MW-1 (870-36566-12), AP PZ-1 (870-36566-13), AP PZ-4 (870-36566-15) and FB-04 (870-36566-16)

Method 901.1_Ra: Gamma Batch 719769
The detection goal of 50.0 pCi/L was not met for Ra-228 for the following sample. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-228 is well below the RL and MDC.
SFL MW-1S (CONTINGENCY) (870-36566-2), SFL MW-7S (870-36566-6) and AP MWT-4S (870-36566-11)

Method 901.1_Ra: Gamma Batch 719769
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224

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U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-1S (CONTINGENCY) (870-36566-2), SFL MW-7S (870-36566-6), MNW-16 (870-36566-7), SSP MW-1 (870-36566-8), SSP MW-5S (870-36566-9), AP MW-4S (870-36566-10), AP MWT-4S (870-36566-11), AP MW-1 (870-36566-12), AP PZ-1 (870-36566-13), AP MW-6 (870-36566-14), AP PZ-4 (870-36566-15), FB-04 (870-36566-16) and (870-36566-A-2-C DU)

Method 901.1_Ra: Gamma Batch 719812
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226 and Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-719812/1-A).

Method 901.1_Ra: Gamma Batch 719812
The detection goal of 50.0 pCi/L was not met for Ra-228 for the following sample. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-228 is well below the RL and MDC.
SFL MWT-1S (CONTINGENCY) (870-36566-17)

Method 901.1_Ra: Gamma Batch 719812
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MWT-1S (CONTINGENCY) (870-36566-17), (870-36562-A-1-A) and (870-36562-A-1-B DU)

Method 901.1_Ra: Gamma Batch 719614
The detection goal of 50.0 pCi/L was not met for Ra-226 and/or Ra228 for the following samples. An elevated MDC can occur

when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, activity found for these analytes is well below the RL and MDC.
SFL MW-4S (870-36566-1), SFL MW-8S (870-36566-3), SSP MW-4S (870-36566-5), (870-36562-A-4-A) and (870-36562-A-4-B DU)

Method 901.1_Ra: Gamma Batch 719614
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-719614/1-A).

Method 901.1_Ra: Gamma Batch 719614
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-4S (870-36566-1), SFL MW-8S (870-36566-3), SFL MW-8D (870-36566-4), SSP MW-4S (870-36566-5), (870-36562-A-4-A) and (870-36562-A-4-B DU)

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

Gas Flow Proportional Counter
Method 903.0: Radium 226 prep batch 160-719703
Insufficient sample volume was available to perform a sample duplicate for the following samples: SFL MW-4S (870-36566-1), SFL MW-1S (CONTINGENCY) (870-36566-2) and SFL MW-8S (870-36566-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 prep batch 160-719706
Insufficient sample volume was available to perform a sample duplicate for the following samples: SFL MW-4S (870-36566-1), SFL MW-1S (CONTINGENCY) (870-36566-2) and SFL MW-8S (870-36566-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 Batch 719713

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The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 130%: (LCS 160-719713/2-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

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

Client Sample ID: SFL MW-4S

Date Collected: 05/21/25 12:30
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3160		5.00	2.50	mg/L			05/30/25 15:29	10
Fluoride	1.88	J	5.00	1.00	mg/L			05/30/25 15:29	10
Sulfate	2030		5.00	2.00	mg/L			05/30/25 15:29	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	262		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:48	1
Potassium	83.7		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:48	1
Sodium	1340	B ^2	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 13:56	50
Lithium	0.791		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:48	1
Calcium	925		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 13:56	50
Boron	3.41		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.49		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 22:47	1
Antimony	0.00134	J	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 22:47	1
Arsenic	0.00451		0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 22:47	1
Barium	0.0686		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 22:47	1
Beryllium	0.0381		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 22:47	1
Cadmium	0.0270		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 22:47	1
Chromium	0.00959		0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 22:47	1
Cobalt	0.117		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 22:47	1
Iron	0.123		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 22:47	1
Lead	0.00224		0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 22:47	1
Molybdenum	0.000718	J	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 22:47	1
Selenium	0.0557		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 22:47	1
Thallium	0.00438		0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 22:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 01:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	38.3		4.00	4.00	mg/L			05/30/25 16:10	1
Total Dissolved Solids (SM 2540C)	8610		50.0	50.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	5.3	HF			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	19.2	HF			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-17.2	U G	26.8	26.9	50.0	64.8	pCi/L	05/28/25 15:06	06/18/25 14:59	1
Radium-228	6.18	U G	33.2	33.2	50.0	54.9	pCi/L	05/28/25 15:06	06/18/25 14:59	1
Combined Radium 226 + 228	-11.0	U	42.7	42.7		64.8	pCi/L	05/28/25 15:06	06/18/25 14:59	1

Client Sample ID: SFL MW-4S

Lab Sample ID: 870-36566-1
Date Collected: 05/21/25 12:30
Matrix: Water
Date Received: 05/23/25 13:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.05		0.471	0.505	1.00	0.342	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.94		0.954	1.10	1.00	0.798	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*65.4*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: SFL MW-1S (CONTINGENCY)

Lab Sample ID: 870-36566-2
Date Collected: 05/21/25 13:10
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		5.00	2.50	mg/L			05/30/25 15:56	10
Fluoride	1.62	J	5.00	1.00	mg/L			05/30/25 15:56	10
Sulfate	1630		5.00	2.00	mg/L			05/30/25 15:56	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	148		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:02	1
Potassium	21.9		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:02	1
Sodium	815	B ^2	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 14:10	50
Lithium	0.369		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:02	1
Calcium	890		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 14:10	50
Boron	0.363		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6.51		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 22:58	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 22:58	1
Arsenic	0.00847		0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 22:58	1
Barium	0.0324		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 22:58	1
Beryllium	0.0472		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 22:58	1
Cadmium	0.0355		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 22:58	1
Chromium	0.00105	J	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 22:58	1
Cobalt	0.253		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 22:58	1
Iron	1.76		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 22:58	1
Lead	0.00238		0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 22:58	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 22:58	1
Selenium	0.0975		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 22:58	1

Client Sample ID: SFL MW-1S (CONTINGENCY)

Lab Sample ID: 870-36566-2
Date Collected: 05/21/25 13:10
Matrix: Water
Date Received: 05/23/25 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.00619		0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 22:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 01:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	7.14		4.00	4.00	mg/L			06/02/25 19:26	1
Total Dissolved Solids (SM 2540C)	5760		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	4.7	HF			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	19.1	HF			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	16.2	U	19.9	19.9	50.0	26.9	pCi/L	05/29/25 09:26	06/19/25 07:22	1
Radium-228	-21.8	U G	38.3	38.4	50.0	67.5	pCi/L	05/29/25 09:26	06/19/25 07:22	1
Combined Radium 226 + 228	-5.57	U	43.2	43.3		67.5	pCi/L	05/29/25 09:26	06/19/25 07:22	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.564		0.346	0.350	1.00	0.489	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.9*		*30 - 110*	*05/29/25 08:05*	*06/23/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.27		0.552	0.564	1.00	0.719	pCi/L	05/29/25 08:08	06/23/25 14:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.9*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*
Y Carrier	*70.7*		*30 - 110*	*05/29/25 08:08*	*06/23/25 14:07*	*1*

Client Sample ID: SFL MW-8S

Lab Sample ID: 870-36566-3
Date Collected: 05/21/25 15:15
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		5.00	2.50	mg/L			05/30/25 16:49	10
Fluoride	1.49	J	5.00	1.00	mg/L			05/30/25 16:49	10
Sulfate	1610		5.00	2.00	mg/L			05/30/25 16:49	10

Client Sample ID: SFL MW-8S

Date Collected: 05/21/25 15:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-3

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**116**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:03	1
Potassium	**28.8**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:03	1
Sodium	**635**	**B ^2**	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 14:12	50
Lithium	**0.442**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:03	1
Calcium	**520**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 14:12	50
Boron	**22.6**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6.16**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:01	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:01	1
Arsenic	**0.00742**		0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:01	1
Barium	**0.0322**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:01	1
Beryllium	**0.0393**		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:01	1
Cadmium	**0.00671**		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:01	1
Chromium	**0.000731**	**J**	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:01	1
Cobalt	**0.109**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:01	1
Iron	**24.5**		0.200	0.0445	mg/L		05/29/25 13:30	05/29/25 23:08	10
Lead	**0.0140**		0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:01	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:01	1
Selenium	**0.0688**		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:01	1
Thallium	**0.00267**		0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U F1 F2	0.000200	0.0000706	mg/L		05/29/25 03:28	05/29/25 23:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/03/25 14:28	1
Total Dissolved Solids (SM 2540C)	**5620**		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**4.3**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**18.8**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	18.1	U	15.8	15.9	50.0	20.5	pCi/L	05/28/25 15:06	06/18/25 17:58	1
Radium-228	-26.5	U G	37.3	37.4	50.0	67.7	pCi/L	05/28/25 15:06	06/18/25 17:58	1
Combined Radium 226 + 228	-8.45	U	40.5	40.6		67.7	pCi/L	05/28/25 15:06	06/18/25 17:58	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.28**		0.473	0.487	1.00	0.545	pCi/L	05/29/25 08:05	06/23/25 19:35	1

Client Sample ID: SFL MW-8S

Date Collected: 05/21/25 15:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-3
Matrix: Water

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	71.6		30 - 110	05/29/25 08:05	06/23/25 19:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.69**		0.706	0.748	1.00	0.744	pCi/L	05/29/25 08:08	06/23/25 14:08	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	71.6		30 - 110	05/29/25 08:08	06/23/25 14:08	1
Y Carrier	73.6		30 - 110	05/29/25 08:08	06/23/25 14:08	1

Client Sample ID: SFL MW-8D

Date Collected: 05/21/25 16:50
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-4
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		0.500	0.250	mg/L			05/30/25 17:15	1
Fluoride	**0.158**	**J F1**	0.500	0.100	mg/L			05/30/25 17:15	1
Sulfate	**641**		5.00	2.00	mg/L			05/30/25 17:28	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**29.7**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 12:08	1
Potassium	**27.1**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 12:08	1
Sodium	**343**	**^2**	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 12:08	1
Lithium	**0.236**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 12:08	1
Calcium	**172**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 12:21	50
Boron	**1.20**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0933**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:36	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:36	1
Arsenic	**0.00375**	**J**	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:36	1
Barium	**0.0426**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:36	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:36	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:36	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:36	1
Cobalt	**0.00252**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:36	1
Iron	**0.520**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:36	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:36	1
Molybdenum	**0.00410**		0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:36	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 00:54	1

Client Sample ID: SFL MW-8D

Lab Sample ID: 870-36566-4
Date Collected: 05/21/25 16:50
Matrix: Water
Date Received: 05/23/25 13:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	150		4.00	4.00	mg/L			06/02/25 19:41	1
Total Dissolved Solids (SM 2540C)	1530		10.0	10.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	6.7	HF			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	19.6	HF			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-1.31	U	28.9	28.9	50.0	49.8	pCi/L	05/28/25 15:06	06/18/25 17:59	1
Radium-228	14.2	U	28.9	29.0	50.0	46.6	pCi/L	05/28/25 15:06	06/18/25 17:59	1
Combined Radium 226 + 228	12.9	U	40.9	40.9		49.8	pCi/L	05/28/25 15:06	06/18/25 17:59	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.423		0.238	0.241	1.00	0.294	pCi/L	05/29/25 08:09	06/23/25 19:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.29		0.466	0.481	1.00	0.562	pCi/L	05/29/25 08:12	06/23/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:54*	*1*
Y Carrier	*78.1*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:54*	*1*

Client Sample ID: SSP MW-4S

Lab Sample ID: 870-36566-5
Date Collected: 05/21/25 15:30
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	488		5.00	2.50	mg/L			05/30/25 18:08	10
Fluoride	2.35	J	5.00	1.00	mg/L			05/30/25 18:08	10
Sulfate	2710		5.00	2.00	mg/L			05/30/25 18:08	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	175		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:05	1
Potassium	27.5		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:05	1
Sodium	328	B ^2	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 14:05	1
Lithium	0.272		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:05	1
Calcium	374		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 14:14	50
Boron	8.30		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:05	1

Client Sample ID: SSP MW-4S

Date Collected: 05/21/25 15:30
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26.7**		0.100	0.0275	mg/L		05/30/25 09:30	05/31/25 15:53	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 15:50	1
Arsenic	**0.0103**		0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 15:50	1
Barium	**0.0317**		0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 15:50	1
Beryllium	**0.0309**		0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 15:50	1
Cadmium	**0.00218**		0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 15:50	1
Chromium	**0.00141**	**J**	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 15:50	1
Cobalt	**0.104**		0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 15:50	1
Iron	**37.8**		0.100	0.0223	mg/L		05/30/25 09:30	05/31/25 15:53	5
Lead	**0.0144**		0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 15:50	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 15:50	1
Selenium	**0.0944**		0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 15:50	1
Thallium	**0.00351**		0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 15:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000268**		0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/03/25 12:07	1
Total Dissolved Solids (SM 2540C)	**4320**		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**3.7**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.0**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-16.0	U G	24.9	24.9	50.0	69.2	pCi/L	05/28/25 15:06	06/18/25 18:00	1
Radium-228	5.01	U G	11.7	11.7	50.0	63.2	pCi/L	05/28/25 15:06	06/18/25 18:00	1
Combined Radium 226 + 228	-11.0	U	27.5	27.5		69.2	pCi/L	05/28/25 15:06	06/18/25 18:00	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**3.48**		0.666	0.736	1.00	0.472	pCi/L	05/29/25 08:09	06/23/25 19:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**8.59**		1.08	1.33	1.00	0.640	pCi/L	05/29/25 08:12	06/23/25 11:54	1

Client Sample ID: SSP MW-4S

Lab Sample ID: 870-36566-5
Date Collected: 05/21/25 15:30
Matrix: Water
Date Received: 05/23/25 13:25

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110	05/29/25 08:12	06/23/25 11:54	1
Y Carrier	80.0		30 - 110	05/29/25 08:12	06/23/25 11:54	1

Client Sample ID: SFL MW-7S

Lab Sample ID: 870-36566-6
Date Collected: 05/21/25 16:55
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4150		5.00	2.50	mg/L			05/30/25 18:34	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/30/25 18:34	10
Sulfate	1390		5.00	2.00	mg/L			05/30/25 18:34	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	235		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:24	1
Potassium	45.4		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:24	1
Sodium	1860	B ^2	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 13:31	50
Lithium	0.624		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:24	1
Calcium	1090		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 13:31	50
Boron	0.854		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0372		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:38	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:38	1
Arsenic	0.00325	J	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:38	1
Barium	0.0450		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:38	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:38	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:38	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:38	1
Cobalt	0.00223		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:38	1
Iron	0.754		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:38	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:38	1
Molybdenum	0.000531	J	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:38	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:38	1
Thallium	0.000628	J	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 00:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	124		4.00	4.00	mg/L			06/02/25 19:21	1
Total Dissolved Solids (SM 2540C)	10400		50.0	50.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	5.9	HF			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	18.4	HF			Celsius			05/28/25 17:08	1

Client Sample ID: SFL MW-7S

Lab Sample ID: 870-36566-6

Date Collected: 05/21/25 16:55
Matrix: Water
Date Received: 05/23/25 13:25

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**31.8**		22.9	23.1	50.0	26.0	pCi/L	05/29/25 09:26	06/19/25 08:41	1
Radium-228	-0.677	U G	29.1	29.1	50.0	50.5	pCi/L	05/29/25 09:26	06/19/25 08:41	1
Combined Radium 226 + 228	31.1	U	37.0	37.2		50.5	pCi/L	05/29/25 09:26	06/19/25 08:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.33**		0.476	0.520	1.00	0.325	pCi/L	05/29/25 08:09	06/23/25 19:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**8.04**		0.934	1.19	1.00	0.516	pCi/L	05/29/25 08:12	06/23/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:54*	*1*
Y Carrier	*76.6*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:54*	*1*

Client Sample ID: MNW-16

Lab Sample ID: 870-36566-7

Date Collected: 05/22/25 09:45
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3470**		5.00	2.50	mg/L			05/30/25 19:27	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/30/25 19:27	10
Sulfate	**1840**		5.00	2.00	mg/L			05/30/25 19:27	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**134**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:25	1
Potassium	**87.3**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:25	1
Sodium	**2090**	**B ^2**	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 13:32	50
Lithium	**1.46**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:25	1
Calcium	**885**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 13:32	50
Boron	**1.91**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:40	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:40	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:40	1
Barium	**0.0144**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:40	1

Client Sample ID: MNW-16

Date Collected: 05/22/25 09:45
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:40	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:40	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:40	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:40	1
Iron	**0.206**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:40	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:40	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:40	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:40	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 00:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**174**		4.00	4.00	mg/L			06/03/25 11:23	1
Total Dissolved Solids (SM 2540C)	**8700**		50.0	50.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**6.7**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**18.4**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.25	U G	10.2	10.2	50.0	55.8	pCi/L	05/29/25 09:26	06/19/25 08:41	1
Radium-228	-2.42	U G	34.4	34.4	50.0	59.8	pCi/L	05/29/25 09:26	06/19/25 08:41	1
Combined Radium 226 + 228	2.82	U	35.9	35.9		59.8	pCi/L	05/29/25 09:26	06/19/25 08:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.586**		0.302	0.306	1.00	0.394	pCi/L	05/29/25 08:09	06/23/25 19:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.27**		0.543	0.582	1.00	0.545	pCi/L	05/29/25 08:12	06/23/25 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-1

Date Collected: 05/22/25 12:25
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-8

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	638		5.00	2.50	mg/L			05/30/25 19:53	10
Fluoride	1.80	J	5.00	1.00	mg/L			05/30/25 19:53	10
Sulfate	3830		5.00	2.00	mg/L			05/30/25 19:53	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	161		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:27	1
Potassium	26.1		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:27	1
Sodium	1320	B ^2	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 13:34	50
Lithium	0.558		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:27	1
Calcium	466		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 13:34	50
Boron	0.581		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.5		0.100	0.0275	mg/L		05/29/25 13:30	05/29/25 23:45	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:43	1
Arsenic	0.00889		0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:43	1
Barium	0.0123		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:43	1
Beryllium	0.0583		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:43	1
Cadmium	0.00758		0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:43	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:43	1
Cobalt	0.184		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:43	1
Iron	0.511		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:43	1
Lead	0.0116		0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:43	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:43	1
Selenium	0.0935		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:43	1
Thallium	0.00659		0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0353		0.00200	0.000706	mg/L		05/29/25 03:31	05/30/25 01:24	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/03/25 11:41	1
Total Dissolved Solids (SM 2540C)	6340		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	3.7	HF			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	18.9	HF			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.66	U G	33.1	33.1	50.0	56.8	pCi/L	05/29/25 09:26	06/19/25 10:09	1
Radium-228	-0.320	U G	0.510	0.511	50.0	60.7	pCi/L	05/29/25 09:26	06/19/25 10:09	1
Combined Radium 226 + 228	1.34	U	33.1	33.1		60.7	pCi/L	05/29/25 09:26	06/19/25 10:09	1

Client Sample ID: SSP MW-1

Lab Sample ID: 870-36566-8
Matrix: Water
Date Collected: 05/22/25 12:25
Date Received: 05/23/25 13:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	6.12		0.732	0.916	1.00	0.304	pCi/L	05/29/25 08:09	06/23/25 19:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	20.2		1.40	2.33	1.00	0.570	pCi/L	05/29/25 08:12	06/23/25 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*
Y Carrier	*79.3*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*

Client Sample ID: SSP MW-5S

Lab Sample ID: 870-36566-9
Matrix: Water
Date Collected: 05/22/25 12:45
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1950		5.00	2.50	mg/L			05/30/25 20:20	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/30/25 20:20	10
Sulfate	939		5.00	2.00	mg/L			05/30/25 20:20	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	101		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:29	1
Potassium	36.7		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:29	1
Sodium	1020	B ^2	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 13:36	50
Lithium	0.412		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:29	1
Calcium	474		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 13:36	50
Boron	0.256		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0717		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:48	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:48	1
Arsenic	0.00317	J	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:48	1
Barium	0.0325		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:48	1
Beryllium	0.00199	J	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:48	1
Cadmium	0.00160	J	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:48	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:48	1
Cobalt	0.0390		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:48	1
Iron	0.528		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:48	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:48	1
Molybdenum	0.000438	J	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:48	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:48	1

Client Sample ID: SSP MW-5S

Date Collected: 05/22/25 12:45
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.000753	J	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 01:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	46.4		4.00	4.00	mg/L			06/03/25 11:43	1
Total Dissolved Solids (SM 2540C)	4320		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	5.5	HF			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	20.0	HF			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-24.6	U G	21.5	21.6	50.0	76.6	pCi/L	05/29/25 09:26	06/19/25 10:08	1
Radium-228	-17.7	U G	63.5	63.5	50.0	64.6	pCi/L	05/29/25 09:26	06/19/25 10:08	1
Combined Radium 226 + 228	-42.3	U	67.0	67.1		76.6	pCi/L	05/29/25 09:26	06/19/25 10:08	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.810		0.308	0.317	1.00	0.317	pCi/L	05/29/25 08:09	06/23/25 19:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.33		0.563	0.603	1.00	0.565	pCi/L	05/29/25 08:12	06/23/25 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*
Y Carrier	*80.0*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*

Client Sample ID: AP MW-4S

Date Collected: 05/22/25 14:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-10

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		0.500	0.250	mg/L			05/30/25 20:46	1
Fluoride	0.347	J	0.500	0.100	mg/L			05/30/25 20:46	1
Sulfate	686		5.00	2.00	mg/L			05/30/25 20:59	10

Client Sample ID: AP MW-4S

Date Collected: 05/22/25 14:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-10

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**21.3**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:07	1
Potassium	**20.3**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:07	1
Sodium	**170**	**B ^2**	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 14:07	1
Lithium	**0.171**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:07	1
Calcium	**125**		0.200	0.102	mg/L		05/30/25 13:30	06/02/25 14:07	1
Boron	**3.40**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:07	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.18**		0.200	0.0352	mg/L		06/02/25 09:00	06/02/25 16:20	1
Antimony	**0.0147**	**J**	0.0200	0.00803	mg/L		06/02/25 09:00	06/02/25 16:20	1
Arsenic	**0.00940**	**J**	0.0100	0.00650	mg/L		06/02/25 09:00	06/02/25 16:20	1
Barium	**0.0167**		0.0100	0.00125	mg/L		06/02/25 09:00	06/02/25 16:20	1
Beryllium	**0.00903**		0.00400	0.00107	mg/L		06/02/25 09:00	06/02/25 16:20	1
Boron	**3.18**		0.0500	0.0162	mg/L		06/02/25 09:00	06/02/25 16:20	1
Cadmium	**0.00110**	**J**	0.00500	0.000831	mg/L		06/02/25 09:00	06/02/25 16:20	1
Calcium	**115**		0.200	0.102	mg/L		06/02/25 09:00	06/02/25 16:20	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/02/25 09:00	06/02/25 16:20	1
Cobalt	**0.0409**		0.0100	0.00123	mg/L		06/02/25 09:00	06/02/25 16:20	1
Iron	**11.5**		0.200	0.0283	mg/L		06/02/25 09:00	06/02/25 16:20	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/02/25 09:00	06/02/25 16:20	1
Magnesium	**19.4**		0.200	0.0445	mg/L		06/02/25 09:00	06/02/25 16:20	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/02/25 09:00	06/02/25 16:20	1
Potassium	**18.5**		0.500	0.106	mg/L		06/02/25 09:00	06/02/25 16:20	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/02/25 09:00	06/02/25 16:20	1
Sodium	**166**		0.500	0.152	mg/L		06/02/25 09:00	06/02/25 16:20	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/02/25 09:00	06/02/25 16:20	1
Lithium	**0.0616**		0.0400	0.0174	mg/L		06/02/25 09:00	06/02/25 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.44**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:10	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:10	1
Arsenic	**0.00976**		0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:10	1
Barium	**0.0203**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:10	1
Beryllium	**0.0107**		0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:10	1
Cadmium	**0.000287**	**J**	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:10	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:10	1
Cobalt	**0.0457**		0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:10	1
Iron	**14.0**		0.100	0.0223	mg/L		05/29/25 13:30	05/29/25 23:13	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:10	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:10	1
Selenium	**0.00534**		0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:10	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:06	1

Client Sample ID: AP MW-4S

Lab Sample ID: 870-36566-10
Matrix: Water
Date Collected: 05/22/25 14:20
Date Received: 05/23/25 13:25

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/03/25 14:54	1
Total Dissolved Solids (SM 2540C)	**1420**		5.00	5.00	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**4.7**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.4**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	11.1	U G	21.6	21.6	50.0	73.9	pCi/L	05/29/25 09:26	06/19/25 10:09	1
Radium-228	-1.22	U G	2.28	2.28	50.0	65.1	pCi/L	05/29/25 09:26	06/19/25 10:09	1
Combined Radium 226 + 228	9.92	U	21.7	21.7		73.9	pCi/L	05/29/25 09:26	06/19/25 10:09	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.533**		0.312	0.316	1.00	0.397	pCi/L	05/29/25 08:09	06/23/25 19:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.02**		0.520	0.529	1.00	0.715	pCi/L	05/29/25 08:12	06/23/25 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*
Y Carrier	*79.3*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*

Client Sample ID: AP MWT-4S

Lab Sample ID: 870-36566-11
Matrix: Water
Date Collected: 05/22/25 14:40
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		0.500	0.250	mg/L			05/30/25 23:25	1
Fluoride	**0.339**	**J**	0.500	0.100	mg/L			05/30/25 23:25	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**717**		5.00	2.00	mg/L			06/03/25 15:21	10

Client Sample ID: AP MWT-4S

Date Collected: 05/22/25 14:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-11

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**20.6**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:08	1
Potassium	**19.6**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:08	1
Sodium	**165**	**B ^2**	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 14:08	1
Lithium	**0.166**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:08	1
Calcium	**121**		0.200	0.102	mg/L		05/30/25 13:30	06/02/25 14:08	1
Boron	**3.29**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:08	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.18**		0.200	0.0352	mg/L		06/02/25 09:06	06/02/25 16:21	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/02/25 09:06	06/02/25 16:21	1
Arsenic	**0.00686**	**J**	0.0100	0.00650	mg/L		06/02/25 09:06	06/02/25 16:21	1
Barium	**0.0168**		0.0100	0.00125	mg/L		06/02/25 09:06	06/02/25 16:21	1
Beryllium	**0.00906**		0.00400	0.00107	mg/L		06/02/25 09:06	06/02/25 16:21	1
Boron	**3.24**		0.0500	0.0162	mg/L		06/02/25 09:06	06/02/25 16:21	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/02/25 09:06	06/02/25 16:21	1
Calcium	**117**		0.200	0.102	mg/L		06/02/25 09:06	06/02/25 16:21	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/02/25 09:06	06/02/25 16:21	1
Cobalt	**0.0409**		0.0100	0.00123	mg/L		06/02/25 09:06	06/02/25 16:21	1
Iron	**11.7**		0.200	0.0283	mg/L		06/02/25 09:06	06/02/25 16:21	1
Lead	**0.00371**	**J**	0.0100	0.00368	mg/L		06/02/25 09:06	06/02/25 16:21	1
Magnesium	**19.8**		0.200	0.0445	mg/L		06/02/25 09:06	06/02/25 16:21	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/02/25 09:06	06/02/25 16:21	1
Potassium	**18.8**		0.500	0.106	mg/L		06/02/25 09:06	06/02/25 16:21	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/02/25 09:06	06/02/25 16:21	1
Sodium	**168**		0.500	0.152	mg/L		06/02/25 09:06	06/02/25 16:21	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/02/25 09:06	06/02/25 16:21	1
Lithium	**0.0686**		0.0400	0.0174	mg/L		06/02/25 09:06	06/02/25 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.37**		0.0200	0.00549	mg/L		05/30/25 09:30	05/31/25 15:55	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 15:55	1
Arsenic	**0.00893**		0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 15:55	1
Barium	**0.0193**		0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 15:55	1
Beryllium	**0.00988**		0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 15:55	1
Cadmium	**0.000273**	**J**	0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 15:55	1
Chromium	**0.00163**	**J**	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 15:55	1
Cobalt	**0.0430**		0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 15:55	1
Iron	**13.6**		0.100	0.0223	mg/L		05/30/25 09:30	05/31/25 15:58	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 15:55	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 15:55	1
Selenium	**0.00468**		0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 15:55	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 15:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000710**	**J**	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:10	1

Client Sample ID: AP MWT-4S

Lab Sample ID: 870-36566-11
Matrix: Water
Date Collected: 05/22/25 14:40
Date Received: 05/23/25 13:25

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000870**	**J**	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/03/25 14:51	1
Total Dissolved Solids (SM 2540C)	**1400**		5.00	5.00	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**4.6**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.3**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.16	U	17.5	17.5	50.0	44.3	pCi/L	05/29/25 09:26	06/19/25 12:02	1
Radium-228	-2.58	U G	4.57	4.58	50.0	58.1	pCi/L	05/29/25 09:26	06/19/25 12:02	1
Combined Radium 226 + 228	5.59	U	18.1	18.1		58.1	pCi/L	05/29/25 09:26	06/19/25 12:02	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.958**		0.395	0.404	1.00	0.422	pCi/L	05/29/25 08:09	06/23/25 19:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.865**		0.511	0.517	1.00	0.723	pCi/L	05/29/25 08:12	06/23/25 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*
Y Carrier	*78.5*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:55*	*1*

Client Sample ID: AP MW-1

Lab Sample ID: 870-36566-12
Matrix: Water
Date Collected: 05/22/25 15:15
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**277**		0.500	0.250	mg/L			05/30/25 21:13	1
Fluoride	**0.136**	**J**	0.500	0.100	mg/L			05/30/25 21:13	1
Sulfate	**802**		5.00	2.00	mg/L			05/30/25 21:26	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**32.5**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:22	1
Potassium	**11.1**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:22	1

Client Sample ID: AP MW-1

Date Collected: 05/22/25 15:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-12

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**346**	**B ^2**	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 14:22	1
Lithium	**0.129**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:22	1
Calcium	**157**		0.200	0.102	mg/L		05/30/25 13:30	06/02/25 14:22	1
Boron	**4.05**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0245**		0.0200	0.00549	mg/L		05/30/25 09:30	05/31/25 16:00	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 16:00	1
Arsenic	**0.00348**	**J**	0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 16:00	1
Barium	**0.0552**		0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 16:00	1
Beryllium	**0.00552**		0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 16:00	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 16:00	1
Chromium	**0.000633**	**J**	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 16:00	1
Cobalt	**0.120**		0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 16:00	1
Iron	**4.70**		0.0200	0.00445	mg/L		05/30/25 09:30	05/31/25 16:00	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 16:00	1
Molybdenum	**0.00318**		0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 16:00	1
Selenium	**0.00450**		0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 16:00	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 16:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**83.8**		4.00	4.00	mg/L			06/03/25 11:58	1
Total Dissolved Solids (SM 2540C)	**2280**		10.0	10.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	**5.6**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.1**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	4.67	U G	18.1	18.1	50.0	58.5	pCi/L	05/29/25 09:26	06/19/25 12:05	1
Radium-228	1.29	U G	2.40	2.40	50.0	56.6	pCi/L	05/29/25 09:26	06/19/25 12:05	1
Combined Radium 226 + 228	5.97	U	18.3	18.3		58.5	pCi/L	05/29/25 09:26	06/19/25 12:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.72**		0.446	0.472	1.00	0.413	pCi/L	05/29/25 08:09	06/23/25 19:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:37*	*1*

Client Sample ID: AP MW-1

Lab Sample ID: 870-36566-12

Date Collected: 05/22/25 15:15
Matrix: Water
Date Received: 05/23/25 13:25

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.04		0.696	0.789	1.00	0.568	pCi/L	05/29/25 08:12	06/23/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:59*	*1*
Y Carrier	*80.0*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:59*	*1*

Client Sample ID: AP PZ-1

Lab Sample ID: 870-36566-13

Date Collected: 05/22/25 12:55
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2380		5.00	2.50	mg/L			05/30/25 22:06	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/30/25 22:06	10
Sulfate	1760		5.00	2.00	mg/L			05/30/25 22:06	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	172		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:24	1
Potassium	58.4		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:24	1
Sodium	1010	B ^2	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 14:34	50
Lithium	0.811		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:24	1
Calcium	895		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 14:34	50
Boron	0.338		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.251		0.0200	0.00549	mg/L		05/30/25 09:30	05/31/25 16:03	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 16:03	1
Arsenic	0.00599		0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 16:03	1
Barium	0.0323		0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 16:03	1
Beryllium	0.00546		0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 16:03	1
Cadmium	0.0144		0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 16:03	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 16:03	1
Cobalt	0.0403		0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 16:03	1
Iron	0.0927		0.0200	0.00445	mg/L		05/30/25 09:30	05/31/25 16:03	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 16:03	1
Molybdenum	0.000589	J	0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 16:03	1
Selenium	0.00660		0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 16:03	1
Thallium	0.00203		0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 16:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	7.38		4.00	4.00	mg/L			06/03/25 12:03	1

Client Sample ID: AP PZ-1

Date Collected: 05/22/25 12:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-13

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5710		20.0	20.0	mg/L			05/28/25 16:55	1
pH (SM 4500 H+ B)	5.0	HF			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	20.3	HF			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.214	U G	33.4	33.4	50.0	57.3	pCi/L	05/29/25 09:26	06/19/25 12:06	1
Radium-228	15.2	U G	28.2	28.3	50.0	50.8	pCi/L	05/29/25 09:26	06/19/25 12:06	1
Combined Radium 226 + 228	15.0	U	43.7	43.8		57.3	pCi/L	05/29/25 09:26	06/19/25 12:06	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.14		0.463	0.502	1.00	0.334	pCi/L	05/29/25 08:09	06/23/25 19:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.63		0.999	1.28	1.00	0.570	pCi/L	05/29/25 08:12	06/23/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:59*	*1*
Y Carrier	*74.4*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:59*	*1*

Client Sample ID: AP MW-6

Date Collected: 05/22/25 15:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-14

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		5.00	2.50	mg/L			05/30/25 22:32	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/30/25 22:32	10
Sulfate	1180		5.00	2.00	mg/L			05/30/25 22:32	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	71.1		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:26	1
Potassium	56.0		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:26	1
Sodium	760	B ^2	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 14:36	50
Lithium	0.693		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:26	1
Calcium	410		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 14:36	50
Boron	0.897		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:26	1

Client Sample ID: AP MW-6

Date Collected: 05/22/25 15:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0236**		0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:16	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:16	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:16	1
Barium	**0.0342**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:16	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:16	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:16	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:16	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:16	1
Iron	**0.343**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:16	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:16	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:16	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:16	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/29/25 23:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**204**		4.00	4.00	mg/L			06/03/25 12:12	1
Total Dissolved Solids (SM 2540C)	**4270**		20.0	20.0	mg/L			05/29/25 16:53	1
pH (SM 4500 H+ B)	**6.3**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.2**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.45	U	15.2	15.2	50.0	22.5	pCi/L	05/29/25 09:26	06/19/25 12:03	1
Radium-228	17.4	U	24.2	24.3	50.0	37.8	pCi/L	05/29/25 09:26	06/19/25 12:03	1
Combined Radium 226 + 228	24.9	U	28.6	28.7		37.8	pCi/L	05/29/25 09:26	06/19/25 12:03	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.264	U	0.201	0.202	1.00	0.283	pCi/L	05/29/25 08:09	06/23/25 19:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.42**		0.477	0.495	1.00	0.577	pCi/L	05/29/25 08:12	06/23/25 11:59	1

Client Sample ID: AP MW-6

Lab Sample ID: 870-36566-14

Date Collected: 05/22/25 15:40
Matrix: Water
Date Received: 05/23/25 13:25

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110	05/29/25 08:12	06/23/25 11:59	1
Y Carrier	81.1		30 - 110	05/29/25 08:12	06/23/25 11:59	1

Client Sample ID: AP PZ-4

Lab Sample ID: 870-36566-15

Date Collected: 05/22/25 17:15
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2170**		5.00	2.50	mg/L			05/30/25 22:58	10
Fluoride	<1.00	U	5.00	1.00	mg/L			05/30/25 22:58	10
Sulfate	**200**		5.00	2.00	mg/L			05/30/25 22:58	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**44.8**		0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:41	1
Potassium	**72.5**		0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:41	1
Sodium	**965**	**B ^2**	25.0	7.59	mg/L		05/30/25 13:30	06/02/25 13:50	50
Lithium	**0.746**		0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:41	1
Calcium	**525**		10.0	5.08	mg/L		05/30/25 13:30	06/02/25 13:50	50
Boron	**0.924**		0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0191**	**J**	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 23:55	1
Antimony	**0.000942**	**J**	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 23:55	1
Arsenic	**0.00107**	**J**	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 23:55	1
Barium	**0.152**		0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 23:55	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 23:55	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 23:55	1
Chromium	**0.00272**	**J**	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 23:55	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 23:55	1
Iron	**0.0472**		0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 23:55	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 23:55	1
Molybdenum	**0.00312**		0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 23:55	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 23:55	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 23:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 01:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**42.3**		4.00	4.00	mg/L			06/03/25 11:00	1
Total Dissolved Solids (SM 2540C)	**3960**		20.0	20.0	mg/L			05/29/25 16:53	1
pH (SM 4500 H+ B)	**7.5**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.5**	**HF**			Celsius			05/28/25 17:08	1

Client Sample ID: AP PZ-4

Date Collected: 05/22/25 17:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-15

Matrix: Water

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-6.17	U G	31.0	31.1	50.0	53.8	pCi/L	05/29/25 09:26	06/19/25 12:04	1
Radium-228	4.20	U G	33.8	33.8	50.0	56.7	pCi/L	05/29/25 09:26	06/19/25 12:04	1
Combined Radium 226 + 228	-1.98	U	45.9	45.9		56.7	pCi/L	05/29/25 09:26	06/19/25 12:04	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.93**		0.429	0.463	1.00	0.248	pCi/L	05/29/25 08:09	06/23/25 19:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.74**		0.621	0.670	1.00	0.614	pCi/L	05/29/25 08:12	06/23/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:59*	*1*
Y Carrier	*78.1*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:59*	*1*

Client Sample ID: FB-04

Date Collected: 05/22/25 17:45
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-16

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/30/25 23:38	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/30/25 23:38	1
Sulfate	**0.304**	**J**	0.500	0.200	mg/L			05/30/25 23:38	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 14:27	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 13:30	06/02/25 14:27	1
Sodium	<0.152	U	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 14:04	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 14:27	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 13:30	06/02/25 14:27	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/30/25 09:30	05/31/25 16:05	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 16:05	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 16:05	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 16:05	1

Client Sample ID: FB-04

Date Collected: 05/22/25 17:45
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 16:05	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 16:05	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 16:05	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 16:05	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/30/25 09:30	05/31/25 16:05	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 16:05	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 16:05	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 16:05	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 16:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 23:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/03/25 11:09	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			05/29/25 16:53	1
pH (SM 4500 H+ B)	**6.3**	**HF**			SU			05/28/25 17:08	1
Temperature (SM 4500 H+ B)	**19.9**	**HF**			Celsius			05/28/25 17:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.000	U G	19.4	19.4	50.0	58.4	pCi/L	05/29/25 09:26	06/19/25 12:07	1
Radium-228	-25.9	U G	29.6	29.7	50.0	63.0	pCi/L	05/29/25 09:26	06/19/25 12:07	1
Combined Radium 226 + 228	-25.9	U	35.4	35.5		63.0	pCi/L	05/29/25 09:26	06/19/25 12:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.120	U	0.172	0.172	1.00	0.292	pCi/L	05/29/25 08:09	06/23/25 19:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*05/29/25 08:09*	*06/23/25 19:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.360	U	0.309	0.311	1.00	0.675	pCi/L	05/29/25 08:12	06/23/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:59*	*1*
Y Carrier	*77.4*		*30 - 110*	*05/29/25 08:12*	*06/23/25 11:59*	*1*

Client Sample ID: SFL MWT-1S (CONTINGENCY)

Lab Sample ID: 870-36566-17

Date Collected: 05/21/25 13:15
Matrix: Water
Date Received: 05/23/25 13:25

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1880		2.50	1.25	mg/L			05/29/25 22:00	5
Fluoride	1.31	J	2.50	0.500	mg/L			05/29/25 22:00	5
Sulfate	1670		2.50	1.00	mg/L			05/29/25 22:00	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	132		0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 19:00	1
Potassium	19.5		0.500	0.106	mg/L		05/30/25 10:30	05/30/25 19:00	1
Sodium	670	B	25.0	7.59	mg/L		05/30/25 10:30	06/02/25 10:49	50
Lithium	0.343		0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 19:00	1
Calcium	745		10.0	5.08	mg/L		05/30/25 10:30	05/30/25 19:09	50
Boron	0.328		0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6.93		0.0200	0.00549	mg/L		05/30/25 09:30	05/31/25 15:43	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 15:43	1
Arsenic	0.00835		0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 15:43	1
Barium	0.0342		0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 15:43	1
Beryllium	0.0474		0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 15:43	1
Cadmium	0.0370		0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 15:43	1
Chromium	0.00109	J	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 15:43	1
Cobalt	0.275		0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 15:43	1
Iron	1.94		0.0200	0.00445	mg/L		05/30/25 09:30	05/31/25 15:43	1
Lead	0.00257		0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 15:43	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 15:43	1
Selenium	0.0940		0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 15:43	1
Thallium	0.00675		0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 15:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 05:38	05/30/25 21:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	7.39		4.00	4.00	mg/L			06/02/25 19:37	1
Total Dissolved Solids (SM 2540C)	5220	H	20.0	20.0	mg/L			05/29/25 16:53	1
pH (SM 4500 H+ B)	4.7	HF			SU			05/29/25 14:37	1
Temperature (SM 4500 H+ B)	19.7	HF			Celsius			05/29/25 14:37	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	22.3	U	16.5	16.6	50.0	22.8	pCi/L	05/29/25 13:14	06/19/25 16:22	1
Radium-228	9.94	U G	29.3	29.4	50.0	51.5	pCi/L	05/29/25 13:14	06/19/25 16:22	1
Combined Radium 226 + 228	32.3	U	33.6	33.8		51.5	pCi/L	05/29/25 13:14	06/19/25 16:22	1

Client Sample ID: SFL MWT-1S (CONTINGENCY)

Lab Sample ID: 870-36566-17

Date Collected: 05/21/25 13:15

Matrix: Water

Date Received: 05/23/25 13:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.403		0.272	0.274	1.00	0.386	pCi/L	05/30/25 07:50	06/23/25 16:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*05/30/25 07:50*	*06/23/25 16:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.64		0.457	0.482	1.00	0.493	pCi/L	05/30/25 07:53	06/23/25 13:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*05/30/25 07:53*	*06/23/25 13:57*	*1*
Y Carrier	*85.2*		*30 - 110*	*05/30/25 07:53*	*06/23/25 13:57*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)							
Lab Sample ID	Client Sample ID	Ba (30-110)							
870-36566-1	SFL MW-4S	83.6							
870-36566-2	SFL MW-1S (CONTINGENCY)	78.9							
870-36566-3	SFL MW-8S	71.6							
870-36566-4	SFL MW-8D	85.1							
870-36566-5	SSP MW-4S	90.3							
870-36566-6	SFL MW-7S	87.8							
870-36566-7	MNW-16	88.6							
870-36566-8	SSP MW-1	92.3							
870-36566-9	SSP MW-5S	85.6							
870-36566-10	AP MW-4S	87.6							
870-36566-11	AP MWT-4S	83.6							
870-36566-12	AP MW-1	84.3							
870-36566-13	AP PZ-1	85.6							
870-36566-14	AP MW-6	87.6							
870-36566-15	AP PZ-4	82.6							
870-36566-16	FB-04	85.8							
870-36566-17	SFL MWT-1S (CONTINGENCY)	91.3							
LCS 160-719703/2-A	Lab Control Sample	86.1							
LCS 160-719708/2-A	Lab Control Sample	81.6							
LCS 160-720082/2-A	Lab Control Sample	88.8							
LCSD 160-719703/3-A	Lab Control Sample Dup	80.1							
MB 160-719703/1-A	Method Blank	84.6							
MB 160-719708/1-A	Method Blank	85.3							
MB 160-720082/1-A	Method Blank	90.5							

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)							
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)						
870-36566-1	SFL MW-4S	83.6	65.4						
870-36566-2	SFL MW-1S (CONTINGENCY)	78.9	70.7						
870-36566-3	SFL MW-8S	71.6	73.6						
870-36566-4	SFL MW-8D	85.1	78.1						
870-36566-5	SSP MW-4S	90.3	80.0						
870-36566-6	SFL MW-7S	87.8	76.6						
870-36566-7	MNW-16	88.6	78.9						
870-36566-8	SSP MW-1	92.3	79.3						
870-36566-9	SSP MW-5S	85.6	80.0						
870-36566-10	AP MW-4S	87.6	79.3						
870-36566-11	AP MWT-4S	83.6	78.5						
870-36566-12	AP MW-1	84.3	80.0						
870-36566-13	AP PZ-1	85.6	74.4						
870-36566-14	AP MW-6	87.6	81.1						
870-36566-15	AP PZ-4	82.6	78.1						

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Method: 904.0 - Radium-228 (GFPC) (Continued)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-36566-16	FB-04	85.8	77.4
870-36566-17	SFL MWT-1S (CONTINGENCY)	91.3	85.2
LCS 160-719706/2-A	Lab Control Sample	86.1	75.9
LCS 160-719713/2-A	Lab Control Sample	81.6	80.4
LCS 160-720083/2-A	Lab Control Sample	88.8	83.0
LCSD 160-719706/3-A	Lab Control Sample Dup	80.1	77.0
MB 160-719706/1-A	Method Blank	84.6	78.5
MB 160-719713/1-A	Method Blank	85.3	78.5
MB 160-720083/1-A	Method Blank	90.5	86.7

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-238808/26
Matrix: Water
Analysis Batch: 238808

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/29/25 16:44	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/29/25 16:44	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/29/25 16:44	1

Lab Sample ID: MB 860-238808/85
Matrix: Water
Analysis Batch: 238808

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/30/25 01:07	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/30/25 01:07	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/30/25 01:07	1

Lab Sample ID: LCS 860-238808/27
Matrix: Water
Analysis Batch: 238808

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.560		mg/L		96	90 - 110
Fluoride	10.0	10.01		mg/L		100	90 - 110
Sulfate	10.0	10.09		mg/L		101	90 - 110

Lab Sample ID: LCS 860-238808/86
Matrix: Water
Analysis Batch: 238808

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.256		mg/L		93	90 - 110
Fluoride	10.0	9.808		mg/L		98	90 - 110
Sulfate	10.0	9.690		mg/L		97	90 - 110

Lab Sample ID: LCSD 860-238808/28
Matrix: Water
Analysis Batch: 238808

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
Chloride	10.0	9.509		mg/L		95	90 - 110	1	20
Fluoride	10.0	9.916		mg/L		99	90 - 110	1	20
Sulfate	10.0	10.35		mg/L		103	90 - 110	3	20

Lab Sample ID: LCSD 860-238808/87
Matrix: Water
Analysis Batch: 238808

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
Chloride	10.0	9.251		mg/L		93	90 - 110	0	20
Fluoride	10.0	9.680		mg/L		97	90 - 110	1	20
Sulfate	10.0	9.861		mg/L		99	90 - 110	2	20

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-238808/30
Matrix: Water
Analysis Batch: 238808

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6440		mg/L		129	50 - 150
Fluoride	0.500	0.4910	J	mg/L		98	50 - 150
Sulfate	0.500	0.6345		mg/L		127	50 - 150

Lab Sample ID: MB 860-239073/3
Matrix: Water
Analysis Batch: 239073

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			05/30/25 10:39	1
Fluoride	<0.100	U	0.500	0.100	mg/L			05/30/25 10:39	1
Sulfate	<0.200	U	0.500	0.200	mg/L			05/30/25 10:39	1

Lab Sample ID: LCS 860-239073/4
Matrix: Water
Analysis Batch: 239073

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.22		mg/L		102	90 - 110
Fluoride	10.0	9.724		mg/L		97	90 - 110
Sulfate	10.0	10.55		mg/L		105	90 - 110

Lab Sample ID: LCSD 860-239073/5
Matrix: Water
Analysis Batch: 239073

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
Chloride	10.0	10.15		mg/L		102	90 - 110	1	20
Fluoride	10.0	9.718		mg/L		97	90 - 110	0	20
Sulfate	10.0	10.54		mg/L		105	90 - 110	0	20

Lab Sample ID: LLCS 860-239073/7
Matrix: Water
Analysis Batch: 239073

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6366		mg/L		127	50 - 150
Fluoride	0.500	0.5267		mg/L		105	50 - 150
Sulfate	0.500	0.5304		mg/L		106	50 - 150

Lab Sample ID: 870-36566-4 MS
Matrix: Water
Analysis Batch: 239073

Client Sample ID: SFL MW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	409		10.0	419.2	4	mg/L		101	90 - 110
Fluoride	0.158	J F1	10.0	8.207	F1	mg/L		80	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-36566-4 MSD
Matrix: Water
Analysis Batch: 239073

Client Sample ID: SFL MW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	409		10.0	419.9	4	mg/L		108	90 - 110	0	15
Fluoride	0.158	J F1	10.0	8.404	F1	mg/L		82	90 - 110	2	15

Lab Sample ID: MB 860-239657/13
Matrix: Water
Analysis Batch: 239657

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			06/03/25 10:26	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/03/25 10:26	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/03/25 10:26	1

Lab Sample ID: LCS 860-239657/14
Matrix: Water
Analysis Batch: 239657

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.980		mg/L		100	90 - 110
Fluoride	10.0	10.83		mg/L		108	90 - 110
Sulfate	10.0	10.20		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-239657/15
Matrix: Water
Analysis Batch: 239657

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
Chloride	10.0	9.994		mg/L		100	90 - 110	0	20
Fluoride	10.0	10.89		mg/L		109	90 - 110	0	20
Sulfate	10.0	10.18		mg/L		102	90 - 110	0	20

Lab Sample ID: LLCS 860-239657/17
Matrix: Water
Analysis Batch: 239657

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5017		mg/L		100	50 - 150
Fluoride	0.500	0.5008		mg/L		100	50 - 150
Sulfate	0.500	0.5364		mg/L		107	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-239114/1-A
Matrix: Water
Analysis Batch: 239331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 10:30	05/30/25 18:35	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 10:30	05/30/25 18:35	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 10:30	05/30/25 18:35	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-239114/1-A
Matrix: Water
Analysis Batch: 239331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	0.4870	J	0.500	0.152	mg/L		05/30/25 10:30	05/30/25 18:35	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 10:30	05/30/25 18:35	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 10:30	05/30/25 18:35	1

Lab Sample ID: LCS 860-239114/2-A
Matrix: Water
Analysis Batch: 239331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	25.0	24.60		mg/L		98	80 - 120
Calcium	25.0	24.80		mg/L		99	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Sodium	25.0	23.70		mg/L		95	80 - 120
Lithium	1.00	0.9820		mg/L		98	80 - 120
Boron	1.00	1.010		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-239114/3-A
Matrix: Water
Analysis Batch: 239331

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	25.0	24.50		mg/L		98	80 - 120	0	20
Calcium	25.0	24.80		mg/L		99	80 - 120	0	20
Potassium	10.0	10.10		mg/L		101	80 - 120	0	20
Sodium	25.0	23.70		mg/L		95	80 - 120	0	20
Lithium	1.00	0.9800		mg/L		98	80 - 120	0	20
Boron	1.00	1.010		mg/L		101	80 - 120	0	20

Lab Sample ID: MB 860-239145/1-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 11:04	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 13:30	06/02/25 11:04	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 13:30	06/02/25 11:04	1
Sodium	<0.152	U	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 11:04	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 11:04	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 11:04	1

Lab Sample ID: LCS 860-239145/2-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	25.0	24.40		mg/L		98	80 - 120
Calcium	25.0	24.90		mg/L		100	80 - 120
Potassium	10.0	10.30		mg/L		103	80 - 120
Sodium	25.0	24.70		mg/L		99	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-239145/2-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	1.00	0.9820		mg/L		98	80 - 120
Boron	1.00	0.9910		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-239145/3-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	25.0	24.40		mg/L		98	80 - 120	0	20
Calcium	25.0	24.90		mg/L		100	80 - 120	0	20
Potassium	10.0	10.30		mg/L		103	80 - 120	0	20
Sodium	25.0	24.70		mg/L		99	80 - 120	0	20
Lithium	1.00	0.9810		mg/L		98	80 - 120	0	20
Boron	1.00	0.9930		mg/L		99	80 - 120	0	20

Lab Sample ID: MB 860-239147/1-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		05/30/25 13:30	06/02/25 13:00	1
Calcium	<0.102	U	0.200	0.102	mg/L		05/30/25 13:30	06/02/25 13:00	1
Potassium	<0.106	U	0.500	0.106	mg/L		05/30/25 13:30	06/02/25 13:00	1
Sodium	0.2150	J	0.500	0.152	mg/L		05/30/25 13:30	06/02/25 13:00	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		05/30/25 13:30	06/02/25 13:00	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		05/30/25 13:30	06/02/25 13:00	1

Lab Sample ID: LCS 860-239147/2-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	25.0	25.40		mg/L		102	80 - 120
Calcium	25.0	25.80		mg/L		103	80 - 120
Potassium	10.0	10.50		mg/L		105	80 - 120
Sodium	25.0	25.40		mg/L		102	80 - 120
Lithium	1.00	1.010		mg/L		101	80 - 120
Boron	1.00	1.020		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-239147/3-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239147

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	25.0	25.40		mg/L		102	80 - 120	0	20
Calcium	25.0	25.80		mg/L		103	80 - 120	0	20
Potassium	10.0	10.50		mg/L		105	80 - 120	0	20
Sodium	25.0	25.30		mg/L		101	80 - 120	0	20
Lithium	1.00	1.000		mg/L		100	80 - 120	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-239147/3-A
Matrix: Water
Analysis Batch: 239604

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239147

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.030		mg/L		103	80 - 120	1	20

Lab Sample ID: MB 860-239504/1-A
Matrix: Water
Analysis Batch: 239810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/02/25 09:00	06/02/25 15:17	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/02/25 09:00	06/02/25 15:17	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/02/25 09:00	06/02/25 15:17	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		06/02/25 09:00	06/02/25 15:17	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/02/25 09:00	06/02/25 15:17	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/02/25 09:00	06/02/25 15:17	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/02/25 09:00	06/02/25 15:17	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/02/25 09:00	06/02/25 15:17	1
Iron	<0.0283	U	0.200	0.0283	mg/L		06/02/25 09:00	06/02/25 15:17	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/02/25 09:00	06/02/25 15:17	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/02/25 09:00	06/02/25 15:17	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/02/25 09:00	06/02/25 15:17	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/02/25 09:00	06/02/25 15:17	1
Potassium	<0.106	U	0.500	0.106	mg/L		06/02/25 09:00	06/02/25 15:17	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/02/25 09:00	06/02/25 15:17	1
Sodium	<0.152	U	0.500	0.152	mg/L		06/02/25 09:00	06/02/25 15:17	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/02/25 09:00	06/02/25 15:17	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/02/25 09:00	06/02/25 15:17	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/02/25 09:00	06/02/25 15:17	1

Lab Sample ID: LCS 860-239504/2-A
Matrix: Water
Analysis Batch: 239810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.140		mg/L		103	80 - 120
Antimony	1.00	1.040		mg/L		104	80 - 120
Arsenic	1.00	1.020		mg/L		102	80 - 120
Barium	1.00	1.010		mg/L		101	80 - 120
Beryllium	1.00	1.020		mg/L		102	80 - 120
Cadmium	1.00	1.000		mg/L		100	80 - 120
Chromium	1.00	1.030		mg/L		103	80 - 120
Cobalt	1.00	0.9860		mg/L		99	80 - 120
Iron	5.00	5.220		mg/L		104	80 - 120
Lead	1.00	1.040		mg/L		104	80 - 120
Magnesium	25.0	25.00		mg/L		100	80 - 120
Molybdenum	1.00	1.040		mg/L		104	80 - 120
Calcium	25.0	25.10		mg/L		100	80 - 120
Potassium	10.0	9.990		mg/L		100	80 - 120
Selenium	1.00	1.080		mg/L		108	80 - 120
Sodium	25.0	25.30		mg/L		101	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-239504/2-A
Matrix: Water
Analysis Batch: 239810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	1.00	1.060		mg/L		106	80 - 120
Lithium	1.00	0.9860		mg/L		99	80 - 120
Boron	1.00	1.020		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-239504/3-A
Matrix: Water
Analysis Batch: 239810

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239504

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.140		mg/L		103	80 - 120	0	20
Antimony	1.00	1.040		mg/L		104	80 - 120	0	20
Arsenic	1.00	1.020		mg/L		102	80 - 120	0	20
Barium	1.00	1.010		mg/L		101	80 - 120	0	20
Beryllium	1.00	1.020		mg/L		102	80 - 120	0	20
Cadmium	1.00	0.9990		mg/L		100	80 - 120	0	20
Chromium	1.00	1.030		mg/L		103	80 - 120	0	20
Cobalt	1.00	0.9850		mg/L		99	80 - 120	0	20
Iron	5.00	5.210		mg/L		104	80 - 120	0	20
Lead	1.00	1.040		mg/L		104	80 - 120	0	20
Magnesium	25.0	25.00		mg/L		100	80 - 120	0	20
Molybdenum	1.00	1.040		mg/L		104	80 - 120	0	20
Calcium	25.0	25.10		mg/L		100	80 - 120	0	20
Potassium	10.0	10.00		mg/L		100	80 - 120	0	20
Selenium	1.00	1.080		mg/L		108	80 - 120	0	20
Sodium	25.0	25.30		mg/L		101	80 - 120	0	20
Thallium	1.00	1.050		mg/L		105	80 - 120	1	20
Lithium	1.00	0.9890		mg/L		99	80 - 120	0	20
Boron	1.00	1.020		mg/L		102	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-238833/1-A
Matrix: Water
Analysis Batch: 239158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/29/25 13:30	05/29/25 22:40	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/29/25 13:30	05/29/25 22:40	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/29/25 13:30	05/29/25 22:40	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/29/25 13:30	05/29/25 22:40	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/29/25 13:30	05/29/25 22:40	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/29/25 13:30	05/29/25 22:40	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/29/25 13:30	05/29/25 22:40	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/29/25 13:30	05/29/25 22:40	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/29/25 13:30	05/29/25 22:40	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/29/25 13:30	05/29/25 22:40	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/29/25 13:30	05/29/25 22:40	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/29/25 13:30	05/29/25 22:40	1

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

Lab Sample ID: MB 860-238833/1-A
Matrix: Water
Analysis Batch: 239158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/29/25 13:30	05/29/25 22:40	1

Lab Sample ID: LCS 860-238833/2-A
Matrix: Water
Analysis Batch: 239158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4977		mg/L		100	80 - 120
Antimony	0.100	0.09827		mg/L		98	80 - 120
Arsenic	0.100	0.1033		mg/L		103	80 - 120
Barium	0.100	0.1022		mg/L		102	80 - 120
Beryllium	0.100	0.09666		mg/L		97	80 - 120
Cadmium	0.100	0.1003		mg/L		100	80 - 120
Chromium	0.100	0.1020		mg/L		102	80 - 120
Cobalt	0.100	0.1015		mg/L		102	80 - 120
Iron	0.500	0.5076		mg/L		102	80 - 120
Lead	0.100	0.1018		mg/L		102	80 - 120
Molybdenum	0.100	0.1001		mg/L		100	80 - 120
Selenium	0.100	0.1034		mg/L		103	80 - 120
Thallium	0.100	0.1013		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-238833/3-A
Matrix: Water
Analysis Batch: 239158

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 238833

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5112		mg/L		102	80 - 120	3	20
Antimony	0.100	0.1025		mg/L		103	80 - 120	4	20
Arsenic	0.100	0.1034		mg/L		103	80 - 120	0	20
Barium	0.100	0.1037		mg/L		104	80 - 120	1	20
Beryllium	0.100	0.09785		mg/L		98	80 - 120	1	20
Cadmium	0.100	0.1020		mg/L		102	80 - 120	2	20
Chromium	0.100	0.1026		mg/L		103	80 - 120	1	20
Cobalt	0.100	0.1026		mg/L		103	80 - 120	1	20
Iron	0.500	0.5175		mg/L		103	80 - 120	2	20
Lead	0.100	0.1024		mg/L		102	80 - 120	1	20
Molybdenum	0.100	0.1043		mg/L		104	80 - 120	4	20
Selenium	0.100	0.1056		mg/L		106	80 - 120	2	20
Thallium	0.100	0.1019		mg/L		102	80 - 120	1	20

Lab Sample ID: 870-36566-1 MS
Matrix: Water
Analysis Batch: 239158

Client Sample ID: SFL MW-4S
Prep Type: Total/NA
Prep Batch: 238833

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1.49		0.500	1.896		mg/L		81	75 - 125
Antimony	0.00134	J	0.100	0.08834		mg/L		87	75 - 125
Arsenic	0.00451		0.100	0.09066		mg/L		86	75 - 125

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

Lab Sample ID: 870-36566-1 MS
Matrix: Water
Analysis Batch: 239158

Client Sample ID: SFL MW-4S
Prep Type: Total/NA
Prep Batch: 238833

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0686		0.100	0.1713		mg/L		103	75 - 125
Beryllium	0.0381		0.100	0.1333		mg/L		95	75 - 125
Cadmium	0.0270		0.100	0.1066		mg/L		80	75 - 125
Chromium	0.00959		0.100	0.09513		mg/L		86	75 - 125
Cobalt	0.117		0.100	0.1968		mg/L		80	75 - 125
Iron	0.123		0.500	0.5426		mg/L		84	75 - 125
Lead	0.00224		0.100	0.1030		mg/L		101	75 - 125
Molybdenum	0.000718	J	0.100	0.09099		mg/L		90	75 - 125
Selenium	0.0557		0.100	0.1414		mg/L		86	75 - 125
Thallium	0.00438		0.100	0.1053		mg/L		101	75 - 125

Lab Sample ID: 870-36566-1 MSD
Matrix: Water
Analysis Batch: 239158

Client Sample ID: SFL MW-4S
Prep Type: Total/NA
Prep Batch: 238833

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	1.49		0.500	1.903		mg/L		82	75 - 125	0	20
Antimony	0.00134	J	0.100	0.08827		mg/L		87	75 - 125	0	20
Arsenic	0.00451		0.100	0.09041		mg/L		86	75 - 125	0	20
Barium	0.0686		0.100	0.1666		mg/L		98	75 - 125	3	20
Beryllium	0.0381		0.100	0.1313		mg/L		93	75 - 125	2	20
Cadmium	0.0270		0.100	0.1056		mg/L		79	75 - 125	1	20
Chromium	0.00959		0.100	0.09447		mg/L		85	75 - 125	1	20
Cobalt	0.117		0.100	0.1960		mg/L		79	75 - 125	0	20
Iron	0.123		0.500	0.5382		mg/L		83	75 - 125	1	20
Lead	0.00224		0.100	0.1010		mg/L		99	75 - 125	2	20
Molybdenum	0.000718	J	0.100	0.09053		mg/L		90	75 - 125	1	20
Selenium	0.0557		0.100	0.1411		mg/L		85	75 - 125	0	20
Thallium	0.00438		0.100	0.1033		mg/L		99	75 - 125	2	20

Lab Sample ID: MB 860-239080/1-A
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		05/30/25 09:30	05/31/25 15:04	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		05/30/25 09:30	05/31/25 15:04	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		05/30/25 09:30	05/31/25 15:04	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		05/30/25 09:30	05/31/25 15:04	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		05/30/25 09:30	05/31/25 15:04	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		05/30/25 09:30	05/31/25 15:04	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		05/30/25 09:30	05/31/25 15:04	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		05/30/25 09:30	05/31/25 15:04	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		05/30/25 09:30	05/31/25 15:04	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		05/30/25 09:30	05/31/25 15:04	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		05/30/25 09:30	05/31/25 15:04	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		05/30/25 09:30	05/31/25 15:04	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		05/30/25 09:30	05/31/25 15:04	1

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

Lab Sample ID: LCS 860-239080/2-A
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5034		mg/L		101	80 - 120
Antimony	0.100	0.09849		mg/L		98	80 - 120
Arsenic	0.100	0.09640		mg/L		96	80 - 120
Barium	0.100	0.1005		mg/L		101	80 - 120
Beryllium	0.100	0.09946		mg/L		99	80 - 120
Cadmium	0.100	0.09972		mg/L		100	80 - 120
Chromium	0.100	0.1008		mg/L		101	80 - 120
Cobalt	0.100	0.1003		mg/L		100	80 - 120
Iron	0.500	0.5021		mg/L		100	80 - 120
Lead	0.100	0.1009		mg/L		101	80 - 120
Molybdenum	0.100	0.1014		mg/L		101	80 - 120
Selenium	0.100	0.09865		mg/L		99	80 - 120
Thallium	0.100	0.1008		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-239080/3-A
Matrix: Water
Analysis Batch: 239360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5209		mg/L		104	80 - 120	3	20
Antimony	0.100	0.1002		mg/L		100	80 - 120	2	20
Arsenic	0.100	0.09874		mg/L		99	80 - 120	2	20
Barium	0.100	0.09987		mg/L		100	80 - 120	1	20
Beryllium	0.100	0.1013		mg/L		101	80 - 120	2	20
Cadmium	0.100	0.1010		mg/L		101	80 - 120	1	20
Chromium	0.100	0.1024		mg/L		102	80 - 120	2	20
Cobalt	0.100	0.1025		mg/L		103	80 - 120	2	20
Iron	0.500	0.5104		mg/L		102	80 - 120	2	20
Lead	0.100	0.1014		mg/L		101	80 - 120	1	20
Molybdenum	0.100	0.1030		mg/L		103	80 - 120	2	20
Selenium	0.100	0.09872		mg/L		99	80 - 120	0	20
Thallium	0.100	0.1017		mg/L		102	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-238693/1-A
Matrix: Water
Analysis Batch: 239008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:28	05/29/25 23:46	1

Lab Sample ID: LCS 860-238693/2-A
Matrix: Water
Analysis Batch: 239008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001900		mg/L		95	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 860-238693/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239008 — **Prep Batch: 238693**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001920		mg/L		96	80 - 120	1	20

Lab Sample ID: 870-36566-3 MS — **Client Sample ID: SFL MW-8S**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239008 — **Prep Batch: 238693**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.0000706	U F1 F2	0.00200	0.0002060	F1	mg/L		10	75 - 125		

Lab Sample ID: 870-36566-3 MSD — **Client Sample ID: SFL MW-8S**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239008 — **Prep Batch: 238693**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U F1 F2	0.00200	0.0001590	J F1 F2	mg/L		8	75 - 125	26	20

Lab Sample ID: MB 860-238694/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239008 — **Prep Batch: 238694**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/29/25 03:31	05/30/25 00:29	1

Lab Sample ID: LCS 860-238694/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239008 — **Prep Batch: 238694**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001940		mg/L		97	80 - 120		

Lab Sample ID: LCSD 860-238694/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239008 — **Prep Batch: 238694**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001940		mg/L		97	80 - 120	0	20

Lab Sample ID: MB 860-239012/10-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 239288 — **Prep Batch: 239012**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 05:35	05/30/25 21:15	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 860-239012/11-A
Matrix: Water
Analysis Batch: 239288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239012

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001869		mg/L		93	80 - 120		

Lab Sample ID: LCSD 860-239012/12-A
Matrix: Water
Analysis Batch: 239288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239012

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001839		mg/L		92	80 - 120	2	20

Lab Sample ID: MB 860-239027/1-A
Matrix: Water
Analysis Batch: 239288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		05/30/25 06:47	05/30/25 22:52	1

Lab Sample ID: LCS 860-239027/2-A
Matrix: Water
Analysis Batch: 239288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239027

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001897		mg/L		95	80 - 120		

Lab Sample ID: LCSD 860-239027/3-A
Matrix: Water
Analysis Batch: 239288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001915		mg/L		96	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-239233/3
Matrix: Water
Analysis Batch: 239233

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			05/30/25 15:56	1

Lab Sample ID: LCS 860-239233/4
Matrix: Water
Analysis Batch: 239233

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	237.5		mg/L		95	85 - 115		

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-239233/5
Matrix: Water
Analysis Batch: 239233

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
Alkalinity			250	240.5		mg/L		96	85 - 115	1	20

Lab Sample ID: 870-36566-1 DU
Matrix: Water
Analysis Batch: 239233

Client Sample ID: SFL MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	38.3			37.58		mg/L				2	20

Lab Sample ID: MB 860-239746/3
Matrix: Water
Analysis Batch: 239746

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/02/25 17:39	1

Lab Sample ID: LCS 860-239746/6
Matrix: Water
Analysis Batch: 239746

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	239.8		mg/L		96	85 - 115		

Lab Sample ID: LCSD 860-239746/7
Matrix: Water
Analysis Batch: 239746

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
Alkalinity			250	249.1		mg/L		100	85 - 115	4	20

Lab Sample ID: MB 860-239926/3
Matrix: Water
Analysis Batch: 239926

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/03/25 10:46	1

Lab Sample ID: MB 860-239926/34
Matrix: Water
Analysis Batch: 239926

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/03/25 12:58	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 860-239926/35
Matrix: Water
Analysis Batch: 239926

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	238.5		mg/L		95	85 - 115

Lab Sample ID: LCS 860-239926/4
Matrix: Water
Analysis Batch: 239926

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	244.3		mg/L		98	85 - 115

Lab Sample ID: LCSD 860-239926/36
Matrix: Water
Analysis Batch: 239926

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
Alkalinity	250	243.7		mg/L		97	85 - 115	2	20

Lab Sample ID: LCSD 860-239926/5
Matrix: Water
Analysis Batch: 239926

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
Alkalinity	250	239.8		mg/L		96	85 - 115	1	20

Lab Sample ID: 870-36566-15 DU
Matrix: Water
Analysis Batch: 239926

Client Sample ID: AP PZ-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	42.3		41.72		mg/L		1	20

Lab Sample ID: 870-36566-16 DU
Matrix: Water
Analysis Batch: 239926

Client Sample ID: FB-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-28925/1
Matrix: Water
Analysis Batch: 28925

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			05/28/25 16:55	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 870-28925/2
Matrix: Water
Analysis Batch: 28925

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	888.0		mg/L		89	80 - 120		

Lab Sample ID: LCSD 870-28925/3
Matrix: Water
Analysis Batch: 28925

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
Total Dissolved Solids			1000	968.0		mg/L		97	80 - 120	9	10

Lab Sample ID: MB 870-28962/1
Matrix: Water
Analysis Batch: 28962

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			05/29/25 16:53	1

Lab Sample ID: LCS 870-28962/2
Matrix: Water
Analysis Batch: 28962

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	812.0		mg/L		81	80 - 120		

Lab Sample ID: LCSD 870-28962/3
Matrix: Water
Analysis Batch: 28962

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
Total Dissolved Solids			1000	801.0		mg/L		80	80 - 120	1	10

Lab Sample ID: 870-36566-16 DU
Matrix: Water
Analysis Batch: 28962

Client Sample ID: FB-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2.50			2.500		mg/L				0	10

Lab Sample ID: 870-36566-17 DU
Matrix: Water
Analysis Batch: 28962

Client Sample ID: SFL MWT-1S (CONTINGENCY)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	5220	H		5400		mg/L				3	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-36566-1 DU
Matrix: Water
Analysis Batch: 28926

Client Sample ID: SFL MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	5.3	HF		5.3		SU				0.2	20
Temperature	19.2	HF		19.2		Celsius				0	20

Lab Sample ID: 870-36566-11 DU
Matrix: Water
Analysis Batch: 28926

Client Sample ID: AP MWT-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	4.6	HF		4.6		SU				0	20
Temperature	19.3	HF		19.3		Celsius				0	20

Lab Sample ID: 870-36566-17 DU
Matrix: Water
Analysis Batch: 28955

Client Sample ID: SFL MWT-1S (CONTINGENCY)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	4.7	HF		4.8		SU				1	20
Temperature	19.7	HF		19.9		Celsius				1	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-719614/1-A
Matrix: Water
Analysis Batch: 723580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719614

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-11.48	U G	24.5	24.5	50.0	60.9	pCi/L	05/28/25 15:06	06/20/25 14:30	1
Radium-228	-11.71	U	24.8	24.9	50.0	47.1	pCi/L	05/28/25 15:06	06/20/25 14:30	1
Combined Radium 226 + 228	-23.19	U	34.9	34.9		60.9	pCi/L	05/28/25 15:06	06/20/25 14:30	1

Lab Sample ID: LCS 160-719614/2-A
Matrix: Water
Analysis Batch: 723183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719614

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Americium-241			142000	140200		15300		979	pCi/L	98	75 - 125		
Cesium-137			37900	38490		3830		156	pCi/L	101	75 - 125		
Cobalt-60			53300	51630		5030		103	pCi/L	97	75 - 125		

Lab Sample ID: MB 160-719769/1-A
Matrix: Water
Analysis Batch: 723201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719769

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	9.716	U G	21.2	21.2	50.0	58.5	pCi/L	05/29/25 09:26	06/19/25 07:23	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: MB 160-719769/1-A
Matrix: Water
Analysis Batch: 723201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719769

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-42.14	U G	37.1	37.3	50.0	72.0	pCi/L	05/29/25 09:26	06/19/25 07:23	1
Combined Radium 226 + 228	-32.42	U	42.7	42.9		72.0	pCi/L	05/29/25 09:26	06/19/25 07:23	1

Lab Sample ID: LCS 160-719769/2-A
Matrix: Water
Analysis Batch: 723195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719769

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	139400		15200		1010	pCi/L	98	75 - 125
Cesium-137	37900	38490		3830		164	pCi/L	101	75 - 125
Cobalt-60	53300	51780		5050		101	pCi/L	97	75 - 125

Lab Sample ID: 870-36566-2 DU
Matrix: Water
Analysis Batch: 723201

Client Sample ID: SFL MW-1S (CONTINGENCY)
Prep Type: Total/NA
Prep Batch: 719769

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	16.2	U	0.5834	U G	30.9	50.0	53.3	pCi/L	0.31	1
Radium-228	-21.8	U G	-17.42	U	25.5	50.0	49.5	pCi/L	0.07	1
Combined Radium 226 + 228	-5.57	U	-16.83	U	40.1		53.3	pCi/L	0.14	1

Lab Sample ID: MB 160-719812/1-A
Matrix: Water
Analysis Batch: 723201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719812

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-8.532	U G	33.5	33.5	50.0	57.3	pCi/L	05/29/25 13:14	06/19/25 13:50	1
Radium-228	-15.79	U G	31.9	31.9	50.0	58.1	pCi/L	05/29/25 13:14	06/19/25 13:50	1
Combined Radium 226 + 228	-24.32	U	46.3	46.3		58.1	pCi/L	05/29/25 13:14	06/19/25 13:50	1

Lab Sample ID: LCS 160-719812/2-A
Matrix: Water
Analysis Batch: 723195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719812

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	140300		15300		993	pCi/L	99	75 - 125
Cesium-137	37900	38480		3820		163	pCi/L	101	75 - 125
Cobalt-60	53200	51410		5010		103	pCi/L	97	75 - 125

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-719703/1-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719703

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03532	U	0.175	0.175	1.00	0.345	pCi/L	05/29/25 08:05	06/23/25 16:25	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110	05/29/25 08:05	06/23/25 16:25	1

Lab Sample ID: LCS 160-719703/2-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719703

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.933		1.15	1.00	0.330	pCi/L	83	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.1		30 - 110

Lab Sample ID: LCSD 160-719703/3-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 719703

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.58	9.131		1.29	1.00	0.324	pCi/L	95	75 - 125	0.49	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	80.1		30 - 110

Lab Sample ID: MB 160-719708/1-A
Matrix: Water
Analysis Batch: 723863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719708

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1324	U	0.211	0.211	1.00	0.364	pCi/L	05/29/25 08:09	06/23/25 19:36	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110	05/29/25 08:09	06/23/25 19:36	1

Lab Sample ID: LCS 160-719708/2-A
Matrix: Water
Analysis Batch: 723863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719708

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.351		1.26	1.00	0.348	pCi/L	98	75 - 125		

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-719708/2-A
Matrix: Water
Analysis Batch: 723863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719708

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	81.6		30 - 110

Lab Sample ID: MB 160-720082/1-A
Matrix: Water
Analysis Batch: 723863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720082

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02056	U	0.186	0.186	1.00	0.383	pCi/L	05/30/25 07:50	06/23/25 16:13	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110	05/30/25 07:50	06/23/25 16:13	1

Lab Sample ID: LCS 160-720082/2-A
Matrix: Water
Analysis Batch: 723863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720082

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.998		1.23	1.00	0.359	pCi/L	94	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-719706/1-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719706

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4860	U	0.373	0.375	1.00	0.568	pCi/L	05/29/25 08:08	06/23/25 14:06	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110	05/29/25 08:08	06/23/25 14:06	1
Y Carrier	78.5		30 - 110	05/29/25 08:08	06/23/25 14:06	1

Lab Sample ID: LCS 160-719706/2-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719706

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.32	10.78		1.50	1.00	0.675	pCi/L	116	75 - 125		

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-719706/2-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719706

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.1		30 - 110
Y Carrier	75.9		30 - 110

Lab Sample ID: LCSD 160-719706/3-A
Matrix: Water
Analysis Batch: 723862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 719706

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			9.32	10.62		1.50	1.00	0.666	pCi/L	114	75 - 125	0.05	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	80.1		30 - 110
Y Carrier	77.0		30 - 110

Lab Sample ID: MB 160-719713/1-A
Matrix: Water
Analysis Batch: 723861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719713

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2989	U	0.384	0.385	1.00	0.638	pCi/L	05/29/25 08:12	06/23/25 11:53	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110	05/29/25 08:12	06/23/25 11:53	1
Y Carrier	78.5		30 - 110	05/29/25 08:12	06/23/25 11:53	1

Lab Sample ID: LCS 160-719713/2-A
Matrix: Water
Analysis Batch: 723861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719713

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.32	12.12		1.61	1.00	0.642	pCi/L	130	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	81.6		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: MB 160-720083/1-A
Matrix: Water
Analysis Batch: 723861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720083

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1152	U	0.251	0.251	1.00	0.444	pCi/L	05/30/25 07:53	06/23/25 13:55	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-720083/1-A
Matrix: Water
Analysis Batch: 723861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720083

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110	05/30/25 07:53	06/23/25 13:55	1
Y Carrier	86.7		30 - 110	05/30/25 07:53	06/23/25 13:55	1

Lab Sample ID: LCS 160-720083/2-A
Matrix: Water
Analysis Batch: 723861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720083

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.32	10.88		1.45	1.00	0.625	pCi/L	117	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.8		30 - 110
Y Carrier	83.0		30 - 110

QC Association Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

HPLC/IC

Analysis Batch: 238808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	9056A	
MB 860-238808/26	Method Blank	Total/NA	Water	9056A	
MB 860-238808/85	Method Blank	Total/NA	Water	9056A	
LCS 860-238808/27	Lab Control Sample	Total/NA	Water	9056A	
LCS 860-238808/86	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-238808/28	Lab Control Sample Dup	Total/NA	Water	9056A	
LCSD 860-238808/87	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-238808/30	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 239073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	9056A	
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	9056A	
870-36566-3	SFL MW-8S	Total/NA	Water	9056A	
870-36566-4	SFL MW-8D	Total/NA	Water	9056A	
870-36566-4	SFL MW-8D	Total/NA	Water	9056A	
870-36566-5	SSP MW-4S	Total/NA	Water	9056A	
870-36566-6	SFL MW-7S	Total/NA	Water	9056A	
870-36566-7	MNW-16	Total/NA	Water	9056A	
870-36566-8	SSP MW-1	Total/NA	Water	9056A	
870-36566-9	SSP MW-5S	Total/NA	Water	9056A	
870-36566-10	AP MW-4S	Total/NA	Water	9056A	
870-36566-10	AP MW-4S	Total/NA	Water	9056A	
870-36566-11	AP MWT-4S	Total/NA	Water	9056A	
870-36566-12	AP MW-1	Total/NA	Water	9056A	
870-36566-12	AP MW-1	Total/NA	Water	9056A	
870-36566-13	AP PZ-1	Total/NA	Water	9056A	
870-36566-14	AP MW-6	Total/NA	Water	9056A	
870-36566-15	AP PZ-4	Total/NA	Water	9056A	
870-36566-16	FB-04	Total/NA	Water	9056A	
MB 860-239073/3	Method Blank	Total/NA	Water	9056A	
LCS 860-239073/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-239073/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-239073/7	Lab Control Sample	Total/NA	Water	9056A	
870-36566-4 MS	SFL MW-8D	Total/NA	Water	9056A	
870-36566-4 MSD	SFL MW-8D	Total/NA	Water	9056A	

Analysis Batch: 239657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-11 - DL	AP MWT-4S	Total/NA	Water	9056A	
MB 860-239657/13	Method Blank	Total/NA	Water	9056A	
LCS 860-239657/14	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-239657/15	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-239657/17	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 238693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-3	SFL MW-8S	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 238693 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-14	AP MW-6	Total/NA	Water	7470A	
MB 860-238693/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-238693/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-238693/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-36566-3 MS	SFL MW-8S	Total/NA	Water	7470A	
870-36566-3 MSD	SFL MW-8S	Total/NA	Water	7470A	

Prep Batch: 238694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	7470A	
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	7470A	
870-36566-4	SFL MW-8D	Total/NA	Water	7470A	
870-36566-6	SFL MW-7S	Total/NA	Water	7470A	
870-36566-7	MNW-16	Total/NA	Water	7470A	
870-36566-8	SSP MW-1	Total/NA	Water	7470A	
870-36566-9	SSP MW-5S	Total/NA	Water	7470A	
870-36566-15	AP PZ-4	Total/NA	Water	7470A	
MB 860-238694/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-238694/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-238694/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 238833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	3010A	
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	3010A	
870-36566-3	SFL MW-8S	Total/NA	Water	3010A	
870-36566-4	SFL MW-8D	Total/NA	Water	3010A	
870-36566-6	SFL MW-7S	Total/NA	Water	3010A	
870-36566-7	MNW-16	Total/NA	Water	3010A	
870-36566-8	SSP MW-1	Total/NA	Water	3010A	
870-36566-9	SSP MW-5S	Total/NA	Water	3010A	
870-36566-10	AP MW-4S	Total/NA	Water	3010A	
870-36566-14	AP MW-6	Total/NA	Water	3010A	
870-36566-15	AP PZ-4	Total/NA	Water	3010A	
MB 860-238833/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-238833/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-238833/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-36566-1 MS	SFL MW-4S	Total/NA	Water	3010A	
870-36566-1 MSD	SFL MW-4S	Total/NA	Water	3010A	

Analysis Batch: 239008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	7470A	238694
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	7470A	238694
870-36566-3	SFL MW-8S	Total/NA	Water	7470A	238693
870-36566-4	SFL MW-8D	Total/NA	Water	7470A	238694
870-36566-6	SFL MW-7S	Total/NA	Water	7470A	238694
870-36566-7	MNW-16	Total/NA	Water	7470A	238694
870-36566-8	SSP MW-1	Total/NA	Water	7470A	238694
870-36566-9	SSP MW-5S	Total/NA	Water	7470A	238694

Metals (Continued)

Analysis Batch: 239008 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-14	AP MW-6	Total/NA	Water	7470A	238693
870-36566-15	AP PZ-4	Total/NA	Water	7470A	238694
MB 860-238693/1-A	Method Blank	Total/NA	Water	7470A	238693
MB 860-238694/1-A	Method Blank	Total/NA	Water	7470A	238694
LCS 860-238693/2-A	Lab Control Sample	Total/NA	Water	7470A	238693
LCS 860-238694/2-A	Lab Control Sample	Total/NA	Water	7470A	238694
LCSD 860-238693/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	238693
LCSD 860-238694/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	238694
870-36566-3 MS	SFL MW-8S	Total/NA	Water	7470A	238693
870-36566-3 MSD	SFL MW-8S	Total/NA	Water	7470A	238693

Prep Batch: 239012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	7470A	
MB 860-239012/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-239012/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-239012/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 239027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-5	SSP MW-4S	Total/NA	Water	7470A	
870-36566-10	AP MW-4S	Dissolved	Water	7470A	
870-36566-10	AP MW-4S	Total/NA	Water	7470A	
870-36566-11	AP MWT-4S	Dissolved	Water	7470A	
870-36566-11	AP MWT-4S	Total/NA	Water	7470A	
870-36566-12	AP MW-1	Total/NA	Water	7470A	
870-36566-13	AP PZ-1	Total/NA	Water	7470A	
870-36566-16	FB-04	Total/NA	Water	7470A	
MB 860-239027/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-239027/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-239027/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 239080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-5	SSP MW-4S	Total/NA	Water	3010A	
870-36566-11	AP MWT-4S	Total/NA	Water	3010A	
870-36566-12	AP MW-1	Total/NA	Water	3010A	
870-36566-13	AP PZ-1	Total/NA	Water	3010A	
870-36566-16	FB-04	Total/NA	Water	3010A	
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	3010A	
MB 860-239080/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239080/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239080/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 239114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	3010A	
MB 860-239114/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239114/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239114/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Prep Batch: 239145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-4	SFL MW-8D	Total/NA	Water	3010A	
MB 860-239145/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239145/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239145/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 239147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	3010A	
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	3010A	
870-36566-3	SFL MW-8S	Total/NA	Water	3010A	
870-36566-5	SSP MW-4S	Total/NA	Water	3010A	
870-36566-6	SFL MW-7S	Total/NA	Water	3010A	
870-36566-7	MNW-16	Total/NA	Water	3010A	
870-36566-8	SSP MW-1	Total/NA	Water	3010A	
870-36566-9	SSP MW-5S	Total/NA	Water	3010A	
870-36566-10	AP MW-4S	Total/NA	Water	3010A	
870-36566-11	AP MWT-4S	Total/NA	Water	3010A	
870-36566-12	AP MW-1	Total/NA	Water	3010A	
870-36566-13	AP PZ-1	Total/NA	Water	3010A	
870-36566-14	AP MW-6	Total/NA	Water	3010A	
870-36566-15	AP PZ-4	Total/NA	Water	3010A	
870-36566-16	FB-04	Total/NA	Water	3010A	
MB 860-239147/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239147/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239147/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 239158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	6020B	238833
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	6020B	238833
870-36566-3	SFL MW-8S	Total/NA	Water	6020B	238833
870-36566-3	SFL MW-8S	Total/NA	Water	6020B	238833
870-36566-4	SFL MW-8D	Total/NA	Water	6020B	238833
870-36566-6	SFL MW-7S	Total/NA	Water	6020B	238833
870-36566-7	MNW-16	Total/NA	Water	6020B	238833
870-36566-8	SSP MW-1	Total/NA	Water	6020B	238833
870-36566-8	SSP MW-1	Total/NA	Water	6020B	238833
870-36566-9	SSP MW-5S	Total/NA	Water	6020B	238833
870-36566-10	AP MW-4S	Total/NA	Water	6020B	238833
870-36566-10	AP MW-4S	Total/NA	Water	6020B	238833
870-36566-14	AP MW-6	Total/NA	Water	6020B	238833
870-36566-15	AP PZ-4	Total/NA	Water	6020B	238833
MB 860-238833/1-A	Method Blank	Total/NA	Water	6020B	238833
LCS 860-238833/2-A	Lab Control Sample	Total/NA	Water	6020B	238833
LCSD 860-238833/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	238833
870-36566-1 MS	SFL MW-4S	Total/NA	Water	6020B	238833
870-36566-1 MSD	SFL MW-4S	Total/NA	Water	6020B	238833

Metals

Analysis Batch: 239288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-5	SSP MW-4S	Total/NA	Water	7470A	239027
870-36566-10	AP MW-4S	Dissolved	Water	7470A	239027
870-36566-10	AP MW-4S	Total/NA	Water	7470A	239027
870-36566-11	AP MWT-4S	Dissolved	Water	7470A	239027
870-36566-11	AP MWT-4S	Total/NA	Water	7470A	239027
870-36566-12	AP MW-1	Total/NA	Water	7470A	239027
870-36566-13	AP PZ-1	Total/NA	Water	7470A	239027
870-36566-16	FB-04	Total/NA	Water	7470A	239027
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	7470A	239012
MB 860-239012/10-A	Method Blank	Total/NA	Water	7470A	239012
MB 860-239027/1-A	Method Blank	Total/NA	Water	7470A	239027
LCS 860-239012/11-A	Lab Control Sample	Total/NA	Water	7470A	239012
LCS 860-239027/2-A	Lab Control Sample	Total/NA	Water	7470A	239027
LCSD 860-239012/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	239012
LCSD 860-239027/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	239027

Analysis Batch: 239331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	6010D	239114
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	6010D	239114
MB 860-239114/1-A	Method Blank	Total/NA	Water	6010D	239114
LCS 860-239114/2-A	Lab Control Sample	Total/NA	Water	6010D	239114
LCSD 860-239114/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	239114

Analysis Batch: 239360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-5	SSP MW-4S	Total/NA	Water	6020B	239080
870-36566-5	SSP MW-4S	Total/NA	Water	6020B	239080
870-36566-11	AP MWT-4S	Total/NA	Water	6020B	239080
870-36566-11	AP MWT-4S	Total/NA	Water	6020B	239080
870-36566-12	AP MW-1	Total/NA	Water	6020B	239080
870-36566-13	AP PZ-1	Total/NA	Water	6020B	239080
870-36566-16	FB-04	Total/NA	Water	6020B	239080
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	6020B	239080
MB 860-239080/1-A	Method Blank	Total/NA	Water	6020B	239080
LCS 860-239080/2-A	Lab Control Sample	Total/NA	Water	6020B	239080
LCSD 860-239080/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	239080

Prep Batch: 239504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-10	AP MW-4S	Dissolved	Water	3010A	
870-36566-11	AP MWT-4S	Dissolved	Water	3010A	
MB 860-239504/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-239504/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-239504/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 239604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	6010D	239147
870-36566-1	SFL MW-4S	Total/NA	Water	6010D	239147

Metals (Continued)

Analysis Batch: 239604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	6010D	239147
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	6010D	239147
870-36566-3	SFL MW-8S	Total/NA	Water	6010D	239147
870-36566-3	SFL MW-8S	Total/NA	Water	6010D	239147
870-36566-4	SFL MW-8D	Total/NA	Water	6010D	239145
870-36566-4	SFL MW-8D	Total/NA	Water	6010D	239145
870-36566-5	SSP MW-4S	Total/NA	Water	6010D	239147
870-36566-5	SSP MW-4S	Total/NA	Water	6010D	239147
870-36566-6	SFL MW-7S	Total/NA	Water	6010D	239147
870-36566-6	SFL MW-7S	Total/NA	Water	6010D	239147
870-36566-7	MNW-16	Total/NA	Water	6010D	239147
870-36566-7	MNW-16	Total/NA	Water	6010D	239147
870-36566-8	SSP MW-1	Total/NA	Water	6010D	239147
870-36566-8	SSP MW-1	Total/NA	Water	6010D	239147
870-36566-9	SSP MW-5S	Total/NA	Water	6010D	239147
870-36566-9	SSP MW-5S	Total/NA	Water	6010D	239147
870-36566-10	AP MW-4S	Total/NA	Water	6010D	239147
870-36566-11	AP MWT-4S	Total/NA	Water	6010D	239147
870-36566-12	AP MW-1	Total/NA	Water	6010D	239147
870-36566-13	AP PZ-1	Total/NA	Water	6010D	239147
870-36566-13	AP PZ-1	Total/NA	Water	6010D	239147
870-36566-14	AP MW-6	Total/NA	Water	6010D	239147
870-36566-14	AP MW-6	Total/NA	Water	6010D	239147
870-36566-15	AP PZ-4	Total/NA	Water	6010D	239147
870-36566-15	AP PZ-4	Total/NA	Water	6010D	239147
870-36566-16	FB-04	Total/NA	Water	6010D	239147
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	6010D	239114
MB 860-239145/1-A	Method Blank	Total/NA	Water	6010D	239145
MB 860-239147/1-A	Method Blank	Total/NA	Water	6010D	239147
LCS 860-239145/2-A	Lab Control Sample	Total/NA	Water	6010D	239145
LCS 860-239147/2-A	Lab Control Sample	Total/NA	Water	6010D	239147
LCSD 860-239145/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	239145
LCSD 860-239147/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	239147

Analysis Batch: 239810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-10	AP MW-4S	Dissolved	Water	6010D	239504
870-36566-11	AP MWT-4S	Dissolved	Water	6010D	239504
870-36566-16	FB-04	Total/NA	Water	6010D	239147
MB 860-239504/1-A	Method Blank	Total/NA	Water	6010D	239504
LCS 860-239504/2-A	Lab Control Sample	Total/NA	Water	6010D	239504
LCSD 860-239504/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	239504

General Chemistry

Analysis Batch: 28925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	SM 2540C	
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	SM 2540C	
870-36566-3	SFL MW-8S	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 28925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-4	SFL MW-8D	Total/NA	Water	SM 2540C	
870-36566-5	SSP MW-4S	Total/NA	Water	SM 2540C	
870-36566-6	SFL MW-7S	Total/NA	Water	SM 2540C	
870-36566-7	MNW-16	Total/NA	Water	SM 2540C	
870-36566-8	SSP MW-1	Total/NA	Water	SM 2540C	
870-36566-9	SSP MW-5S	Total/NA	Water	SM 2540C	
870-36566-10	AP MW-4S	Total/NA	Water	SM 2540C	
870-36566-11	AP MWT-4S	Total/NA	Water	SM 2540C	
870-36566-12	AP MW-1	Total/NA	Water	SM 2540C	
870-36566-13	AP PZ-1	Total/NA	Water	SM 2540C	
MB 870-28925/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-28925/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-28925/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 28926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	SM 4500 H+ B	
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	SM 4500 H+ B	
870-36566-3	SFL MW-8S	Total/NA	Water	SM 4500 H+ B	
870-36566-4	SFL MW-8D	Total/NA	Water	SM 4500 H+ B	
870-36566-5	SSP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-36566-6	SFL MW-7S	Total/NA	Water	SM 4500 H+ B	
870-36566-7	MNW-16	Total/NA	Water	SM 4500 H+ B	
870-36566-8	SSP MW-1	Total/NA	Water	SM 4500 H+ B	
870-36566-9	SSP MW-5S	Total/NA	Water	SM 4500 H+ B	
870-36566-10	AP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-36566-11	AP MWT-4S	Total/NA	Water	SM 4500 H+ B	
870-36566-12	AP MW-1	Total/NA	Water	SM 4500 H+ B	
870-36566-13	AP PZ-1	Total/NA	Water	SM 4500 H+ B	
870-36566-14	AP MW-6	Total/NA	Water	SM 4500 H+ B	
870-36566-15	AP PZ-4	Total/NA	Water	SM 4500 H+ B	
870-36566-16	FB-04	Total/NA	Water	SM 4500 H+ B	
870-36566-1 DU	SFL MW-4S	Total/NA	Water	SM 4500 H+ B	
870-36566-11 DU	AP MWT-4S	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 28955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	SM 4500 H+ B	
870-36566-17 DU	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 28962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-14	AP MW-6	Total/NA	Water	SM 2540C	
870-36566-15	AP PZ-4	Total/NA	Water	SM 2540C	
870-36566-16	FB-04	Total/NA	Water	SM 2540C	
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	SM 2540C	
MB 870-28962/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-28962/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-28962/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-36566-16 DU	FB-04	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 28962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17 DU	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	SM 2540C	

Analysis Batch: 239233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	SM 2320B	
MB 860-239233/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-239233/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-239233/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-36566-1 DU	SFL MW-4S	Total/NA	Water	SM 2320B	

Analysis Batch: 239746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	SM 2320B	
870-36566-4	SFL MW-8D	Total/NA	Water	SM 2320B	
870-36566-6	SFL MW-7S	Total/NA	Water	SM 2320B	
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	SM 2320B	
MB 860-239746/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-239746/6	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-239746/7	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 239926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-3	SFL MW-8S	Total/NA	Water	SM 2320B	
870-36566-5	SSP MW-4S	Total/NA	Water	SM 2320B	
870-36566-7	MNW-16	Total/NA	Water	SM 2320B	
870-36566-8	SSP MW-1	Total/NA	Water	SM 2320B	
870-36566-9	SSP MW-5S	Total/NA	Water	SM 2320B	
870-36566-10	AP MW-4S	Total/NA	Water	SM 2320B	
870-36566-11	AP MWT-4S	Total/NA	Water	SM 2320B	
870-36566-12	AP MW-1	Total/NA	Water	SM 2320B	
870-36566-13	AP PZ-1	Total/NA	Water	SM 2320B	
870-36566-14	AP MW-6	Total/NA	Water	SM 2320B	
870-36566-15	AP PZ-4	Total/NA	Water	SM 2320B	
870-36566-16	FB-04	Total/NA	Water	SM 2320B	
MB 860-239926/3	Method Blank	Total/NA	Water	SM 2320B	
MB 860-239926/34	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-239926/35	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 860-239926/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-239926/36	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 860-239926/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-36566-15 DU	AP PZ-4	Total/NA	Water	SM 2320B	
870-36566-16 DU	FB-04	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 719614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	Fill_Geo-21	
870-36566-3	SFL MW-8S	Total/NA	Water	Fill_Geo-21	
870-36566-4	SFL MW-8D	Total/NA	Water	Fill_Geo-21	

Rad (Continued)

Prep Batch: 719614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-5	SSP MW-4S	Total/NA	Water	Fill_Geo-21	
MB 160-719614/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-719614/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 719703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	PrecSep-21	
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	PrecSep-21	
870-36566-3	SFL MW-8S	Total/NA	Water	PrecSep-21	
MB 160-719703/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-719703/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-719703/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 719706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-1	SFL MW-4S	Total/NA	Water	PrecSep_0	
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	PrecSep_0	
870-36566-3	SFL MW-8S	Total/NA	Water	PrecSep_0	
MB 160-719706/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-719706/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-719706/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 719708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-4	SFL MW-8D	Total/NA	Water	PrecSep-21	
870-36566-5	SSP MW-4S	Total/NA	Water	PrecSep-21	
870-36566-6	SFL MW-7S	Total/NA	Water	PrecSep-21	
870-36566-7	MNW-16	Total/NA	Water	PrecSep-21	
870-36566-8	SSP MW-1	Total/NA	Water	PrecSep-21	
870-36566-9	SSP MW-5S	Total/NA	Water	PrecSep-21	
870-36566-10	AP MW-4S	Total/NA	Water	PrecSep-21	
870-36566-11	AP MWT-4S	Total/NA	Water	PrecSep-21	
870-36566-12	AP MW-1	Total/NA	Water	PrecSep-21	
870-36566-13	AP PZ-1	Total/NA	Water	PrecSep-21	
870-36566-14	AP MW-6	Total/NA	Water	PrecSep-21	
870-36566-15	AP PZ-4	Total/NA	Water	PrecSep-21	
870-36566-16	FB-04	Total/NA	Water	PrecSep-21	
MB 160-719708/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-719708/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 719713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-4	SFL MW-8D	Total/NA	Water	PrecSep_0	
870-36566-5	SSP MW-4S	Total/NA	Water	PrecSep_0	
870-36566-6	SFL MW-7S	Total/NA	Water	PrecSep_0	
870-36566-7	MNW-16	Total/NA	Water	PrecSep_0	
870-36566-8	SSP MW-1	Total/NA	Water	PrecSep_0	
870-36566-9	SSP MW-5S	Total/NA	Water	PrecSep_0	
870-36566-10	AP MW-4S	Total/NA	Water	PrecSep_0	
870-36566-11	AP MWT-4S	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 719713 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-12	AP MW-1	Total/NA	Water	PrecSep_0	
870-36566-13	AP PZ-1	Total/NA	Water	PrecSep_0	
870-36566-14	AP MW-6	Total/NA	Water	PrecSep_0	
870-36566-15	AP PZ-4	Total/NA	Water	PrecSep_0	
870-36566-16	FB-04	Total/NA	Water	PrecSep_0	
MB 160-719713/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-719713/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 719769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-2	SFL MW-1S (CONTINGENCY)	Total/NA	Water	Fill_Geo-21	
870-36566-6	SFL MW-7S	Total/NA	Water	Fill_Geo-21	
870-36566-7	MNW-16	Total/NA	Water	Fill_Geo-21	
870-36566-8	SSP MW-1	Total/NA	Water	Fill_Geo-21	
870-36566-9	SSP MW-5S	Total/NA	Water	Fill_Geo-21	
870-36566-10	AP MW-4S	Total/NA	Water	Fill_Geo-21	
870-36566-11	AP MWT-4S	Total/NA	Water	Fill_Geo-21	
870-36566-12	AP MW-1	Total/NA	Water	Fill_Geo-21	
870-36566-13	AP PZ-1	Total/NA	Water	Fill_Geo-21	
870-36566-14	AP MW-6	Total/NA	Water	Fill_Geo-21	
870-36566-15	AP PZ-4	Total/NA	Water	Fill_Geo-21	
870-36566-16	FB-04	Total/NA	Water	Fill_Geo-21	
MB 160-719769/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-719769/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-36566-2 DU	SFL MW-1S (CONTINGENCY)	Total/NA	Water	Fill_Geo-21	

Prep Batch: 719812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	Fill_Geo-21	
MB 160-719812/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-719812/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 720082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	PrecSep-21	
MB 160-720082/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-720082/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 720083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36566-17	SFL MWT-1S (CONTINGENCY)	Total/NA	Water	PrecSep_0	
MB 160-720083/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-720083/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-4S

Date Collected: 05/21/25 12:30
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 15:29	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:48	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 13:56	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 22:47	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 01:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239233	05/30/25 16:10	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			722941	06/18/25 14:59	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.47 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.47 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:07	SWS	EET SL

Client Sample ID: SFL MW-1S (CONTINGENCY)

Date Collected: 05/21/25 13:10
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 15:56	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:02	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 14:10	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 22:58	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 01:20	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 19:26	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723196	06/19/25 07:22	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.66 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.66 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:07	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-8S

Date Collected: 05/21/25 15:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 16:49	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:03	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 14:12	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:01	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		10			239158	05/29/25 23:08	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/29/25 23:52	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 14:28	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			723182	06/18/25 17:58	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.57 mL	1.0 g	719703	05/29/25 08:05	OGC	EET SL
Total/NA	Analysis	903.0		1			723862	06/23/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.57 mL	1.0 g	719706	05/29/25 08:08	OGC	EET SL
Total/NA	Analysis	904.0		1			723863	06/23/25 14:08	SWS	EET SL

Client Sample ID: SFL MW-8D

Date Collected: 05/21/25 16:50
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			239073	05/30/25 17:15	AA	EET HOU
Total/NA	Analysis	9056A		10			239073	05/30/25 17:28	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 12:08	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239145	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 12:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:36	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:54	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 19:41	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			722943	06/18/25 17:59	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.12 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723863	06/23/25 19:36	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-8D

Date Collected: 05/21/25 16:50
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1000.12 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 11:54	SWS	EET SL

Client Sample ID: SSP MW-4S

Date Collected: 05/21/25 15:30
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 18:08	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:05	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 14:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 15:50	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		5			239360	05/31/25 15:53	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Total/NA	Analysis	7470A		1			239288	05/30/25 23:11	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 12:07	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719614	05/28/25 15:06	HGB	EET SL
Total/NA	Analysis	901.1		1			722942	06/18/25 18:00	MLS	EET SL
Total/NA	Prep	PrecSep-21			754.39 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723863	06/23/25 19:36	SWS	EET SL
Total/NA	Prep	PrecSep_0			754.39 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 11:54	SWS	EET SL

Client Sample ID: SFL MW-7S

Date Collected: 05/21/25 16:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 18:34	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 13:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:38	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:58	SHZ	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-7S

Lab Sample ID: 870-36566-6
Matrix: Water
Date Collected: 05/21/25 16:55
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 19:21	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723195	06/19/25 08:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.30 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723863	06/23/25 19:36	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.30 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 11:54	SWS	EET SL

Client Sample ID: MNW-16

Lab Sample ID: 870-36566-7
Matrix: Water
Date Collected: 05/22/25 09:45
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 19:27	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 13:32	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:40	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 00:59	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 11:23	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723196	06/19/25 08:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.11 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723863	06/23/25 19:36	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.11 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 11:55	SWS	EET SL

Client Sample ID: SSP MW-1

Lab Sample ID: 870-36566-8
Matrix: Water
Date Collected: 05/22/25 12:25
Date Received: 05/23/25 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 19:53	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:27	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-1

Date Collected: 05/22/25 12:25
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 13:34	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:43	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		5			239158	05/29/25 23:45	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		10			239008	05/30/25 01:24	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 11:41	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723201	06/19/25 10:09	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.88 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723863	06/23/25 19:36	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.88 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 11:55	SWS	EET SL

Client Sample ID: SSP MW-5S

Date Collected: 05/22/25 12:45
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 20:20	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:29	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 13:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:48	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 01:08	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 11:43	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723195	06/19/25 10:08	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.87 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723863	06/23/25 19:36	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.87 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 11:55	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-4S

Date Collected: 05/22/25 14:20
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			239073	05/30/25 20:46	AA	EET HOU
Total/NA	Analysis	9056A		10			239073	05/30/25 20:59	AA	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	239504	06/02/25 09:00	MD	EET HOU
Dissolved	Analysis	6010D		1			239810	06/02/25 16:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:07	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:10	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		5			239158	05/29/25 23:13	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Dissolved	Analysis	7470A		1			239288	05/30/25 23:12	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Total/NA	Analysis	7470A		1			239288	05/30/25 23:06	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 14:54	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723196	06/19/25 10:09	MLS	EET SL
Total/NA	Prep	PrecSep-21			754.44 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 19:37	SWS	EET SL
Total/NA	Prep	PrecSep_0			754.44 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 11:55	SWS	EET SL

Client Sample ID: AP MWT-4S

Date Collected: 05/22/25 14:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			239073	05/30/25 23:25	AA	EET HOU
Total/NA	Analysis	9056A	DL	10			239657	06/03/25 15:21	HN	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	239504	06/02/25 09:06	MD	EET HOU
Dissolved	Analysis	6010D		1			239810	06/02/25 16:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:08	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 15:55	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		5			239360	05/31/25 15:58	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Dissolved	Analysis	7470A		1			239288	05/30/25 23:14	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Total/NA	Analysis	7470A		1			239288	05/30/25 23:10	SHZ	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP MWT-4S

Date Collected: 05/22/25 14:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 14:51	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723201	06/19/25 12:02	MLS	EET SL
Total/NA	Prep	PrecSep-21			753.49 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 19:37	SWS	EET SL
Total/NA	Prep	PrecSep_0			753.49 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 11:55	SWS	EET SL

Client Sample ID: AP MW-1

Date Collected: 05/22/25 15:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			239073	05/30/25 21:13	AA	EET HOU
Total/NA	Analysis	9056A		10			239073	05/30/25 21:26	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 16:00	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Total/NA	Analysis	7470A		1			239288	05/30/25 23:15	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 11:58	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723195	06/19/25 12:05	MLS	EET SL
Total/NA	Prep	PrecSep-21			1007.55 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 19:37	SWS	EET SL
Total/NA	Prep	PrecSep_0			1007.55 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 11:59	SWS	EET SL

Client Sample ID: AP PZ-1

Date Collected: 05/22/25 12:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 22:06	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 14:34	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP PZ-1

Date Collected: 05/22/25 12:55
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 16:03	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Total/NA	Analysis	7470A		1			239288	05/30/25 23:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 12:03	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28925	05/28/25 16:55	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723196	06/19/25 12:06	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.94 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 19:37	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.94 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 11:59	SWS	EET SL

Client Sample ID: AP MW-6

Date Collected: 05/22/25 15:40
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 22:32	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 14:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:16	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238693	05/29/25 03:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/29/25 23:59	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 12:12	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28962	05/29/25 16:53	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723193	06/19/25 12:03	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.51 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 19:39	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.51 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 11:59	SWS	EET SL

Client Sample ID: AP PZ-4

Date Collected: 05/22/25 17:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			239073	05/30/25 22:58	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 13:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 13:50	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	238833	05/29/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239158	05/29/25 23:55	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	238694	05/29/25 03:31	AGR	EET HOU
Total/NA	Analysis	7470A		1			239008	05/30/25 01:09	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 11:00	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28962	05/29/25 16:53	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723192	06/19/25 12:04	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.48 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 19:39	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.48 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 11:59	SWS	EET SL

Client Sample ID: FB-04

Date Collected: 05/22/25 17:45
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			239073	05/30/25 23:38	AA	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239810	06/02/25 14:04	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239147	05/30/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239604	06/02/25 14:27	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 16:05	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	239027	05/30/25 06:47	AGR	EET HOU
Total/NA	Analysis	7470A		1			239288	05/30/25 23:17	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239926	06/03/25 11:09	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	28962	05/29/25 16:53	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28926	05/28/25 17:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719769	05/29/25 09:26	HGB	EET SL
Total/NA	Analysis	901.1		1			723197	06/19/25 12:07	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.85 mL	1.0 g	719708	05/29/25 08:09	OGC	EET SL
Total/NA	Analysis	903.0		1			723861	06/23/25 19:39	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.85 mL	1.0 g	719713	05/29/25 08:12	OGC	EET SL
Total/NA	Analysis	904.0		1			723862	06/23/25 11:59	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MWT-1S (CONTINGENCY)

Date Collected: 05/21/25 13:15
Date Received: 05/23/25 13:25

Lab Sample ID: 870-36566-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			238808	05/29/25 22:00	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		1			239331	05/30/25 19:00	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239331	05/30/25 19:09	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239114	05/30/25 10:30	MD	EET HOU
Total/NA	Analysis	6010D		50			239604	06/02/25 10:49	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	239080	05/30/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			239360	05/31/25 15:43	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	239012	05/30/25 05:38	AGR	EET HOU
Total/NA	Analysis	7470A		1			239288	05/30/25 21:35	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			239746	06/02/25 19:37	MR	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28962	05/29/25 16:53	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			28955	05/29/25 14:37	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	719812	05/29/25 13:14	HGB	EET SL
Total/NA	Analysis	901.1		1			723193	06/19/25 16:22	MLS	EET SL
Total/NA	Prep	PrecSep-21			1010.33 mL	1.0 g	720082	05/30/25 07:50	OGC	EET SL
Total/NA	Analysis	903.0		1			723863	06/23/25 16:14	SWS	EET SL
Total/NA	Prep	PrecSep_0			1010.33 mL	1.0 g	720083	05/30/25 07:53	OGC	EET SL
Total/NA	Analysis	904.0		1			723861	06/23/25 13:57	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-25

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-09-25

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-25

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36566-1
SDG: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-36566-1	SFL MW-4S	Water	05/21/25 12:30	05/23/25 13:25
870-36566-2	SFL MW-1S (CONTINGENCY)	Water	05/21/25 13:10	05/23/25 13:25
870-36566-3	SFL MW-8S	Water	05/21/25 15:15	05/23/25 13:25
870-36566-4	SFL MW-8D	Water	05/21/25 16:50	05/23/25 13:25
870-36566-5	SSP MW-4S	Water	05/21/25 15:30	05/23/25 13:25
870-36566-6	SFL MW-7S	Water	05/21/25 16:55	05/23/25 13:25
870-36566-7	MNW-16	Water	05/22/25 09:45	05/23/25 13:25
870-36566-8	SSP MW-1	Water	05/22/25 12:25	05/23/25 13:25
870-36566-9	SSP MW-5S	Water	05/22/25 12:45	05/23/25 13:25
870-36566-10	AP MW-4S	Water	05/22/25 14:20	05/23/25 13:25
870-36566-11	AP MWT-4S	Water	05/22/25 14:40	05/23/25 13:25
870-36566-12	AP MW-1	Water	05/22/25 15:15	05/23/25 13:25
870-36566-13	AP PZ-1	Water	05/22/25 12:55	05/23/25 13:25
870-36566-14	AP MW-6	Water	05/22/25 15:40	05/23/25 13:25
870-36566-15	AP PZ-4	Water	05/22/25 17:15	05/23/25 13:25
870-36566-16	FB-04	Water	05/22/25 17:45	05/23/25 13:25
870-36566-17	SFL MWT-1S (CONTINGENCY)	Water	05/21/25 13:15	05/23/25 13:25

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

7/2/2025

Client Information	Sampler: MHB, CSS, EF	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No:
Client Contact: Mattison Barickman	Phone: 720 385 4021	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: 1 of 2
Company: HDR Engineering, Inc.	PWSID:			Job #:
Address: 1670 Broadway, Suite 3400	Due Date Requested:			
City: Denver	TAT Requested (days): 10 days (25 days for RAD)			
State, Zip: CO, 80202	Compliance Project: Δ Yes Δ No			
Phone: (720) 385-4021	PO #: Purchase Order not required			
Email: mattison.barickman@hdrinc.com	WO #:			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: Gibbons Creek Steam Electric Station	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	200.7, 200.8, 245.1 Total Metals	200.7, 200.8, 245.1 Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SFL MW-4S	5/21/2025	1230	G	W	N	N	X	X	X		X	X		X	X	6	
SFL MW-1S (CONTINGENCY)	5/21/2025	1310	G	W	N	N	X	X	X	X	X	X		X	X	7	MHB not field filtered
SFL MW-8S	5/21/2025	1515	G	W	N	N	X	X	X	X	X	X		X	X	7	
SFL MW-8D	5/21/2025	1650	G	W	N	N	X	X	X	X	X	X		X	X		
SSP MW-4S	5/21/2025	1530	G	W	N	N	X	X	X	X	X	X		X	X		
SFL MW-7S	5/21/2025	1655	G	W	N	N	X	X	X	X	X	X		X	X		
MNW-16	5/22/2025	0945	G	W	N	N	X	X	X	X	X	X		X	X		
SSP MW-1	5/22/2025	1225	G	W	N	N	X	X	X	X	X	X		X	X		
SSP MW-5S	5/22/2025	1245	G	W	N	N	X	X	X	X	X	X		X	X	7	
AP MW-4S	5/22/2025	1420	G	W	Y	N	X	X	X	X	X	X	X	X	X	8	FF for dissolved metals only
AP MWT-4S	5/22/2025	1440	G	W	Y	N	X	X	X	X	X	X	X	X	X	8	FF for dissolved metals only

870-36566 Chain of Custody

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
Mattison Barickman	5/23/2025, 1325	HDR	Kaitlyn	5/23/25 1325	
Relinquished by:	Date/Time	Company	Received by	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.
	2.4/2.5 1.2/1.3 -1.8/-1.7 2.0/2.1 2.6/2.7	0.6/0.7 0.4/0.5 6.0/0.1 THM-027 +0.1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: MHB, CES, EF	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No:
Client Contact: Mattison Barickman	Phone: 720 385 4021	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: 2 of 2
Company: HDR Engineering, Inc.	PWSID:			Job #

Address: ~~1670 Broadway, Suite 3400~~	Due Date Requested:	Analysis Requested	Preservation Codes: D - HNO3, N - None
City: Denver	TAT Requested (days): 10 days (25 days for RAD)		
State, Zip: CO, 80202	Compliance Project: ∆ Yes ∆ No		
Phone: (720) 385-4021	PO #: Purchase Order not required		
Email: mattison.barickman@hdrinc.com	WO #:		
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063		
Site: ~~Gibbons Creek Steam Electric Station~~	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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	200.7, 200.8, 245.1 Total Metals	200.7, 200.8, 245.1 Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N						
AP MW-1	5/22/2025	1515	G	W	N	N	X	X	X	X	X	X		X	X					7	
AP PZ-1	5/22/2025	1255	G	W	N	N	X	X	X	X	X	X		X	X					7	
AP MW-6	5/22/2025	1540	G	W	N	N	X	X	X	X	X	X		X	X					7	
AP PZ-4	5/22/2025	1715	G	W	N	N	X	X	X	X	X	X		X	X					7	
FB-04	5/22/2025	1745	G	W	N	N	X	X	X	X	X	X		X	X					7	
SFL MW-4S	5/21/2025	1755	G	W	N	N				X										1	

Possible Hazard Identification
[X] 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 [X] 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
Mattison Barickman	5/23/2025, 1325	HDR	Kuhlcek	5/23/25 1325	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4 | 2.5 1.2 | 1.3 -1.8 | -1.7 0.6 | 0.7 0.4 | 0.5 THM-027 | 0.1 0.0 | 0.1 2.0 | 2.1 2.6 | 2.7

7/2/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8431.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-36566-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/5/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	901.1_Ra/Fill_Geo_21 (MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-4S (870-36566-1)	5/21/25	12:30 Central	G	Water			X	X	X	2	
SFL MW-1S (CONTINGENCY) (870-36566-2)	5/21/25	13:10 Central	G	Water			X	X	X	2	
SFL MW-8S (870-36566-3)	5/21/25	15:15 Central	G	Water			X	X	X	2	
SFL MW-8D (870-36566-4)	5/21/25	16:50 Central	G	Water			X	X	X	2	
SFL MW-4S (870-36566-5)	5/21/25	15:30 Central	G	Water			X	X	X	2	
SFL MW-7S (870-36566-6)	5/21/25	16:55 Central	G	Water			X	X	X	2	
MNW-16 (870-36566-7)	5/22/25	09:45 Central	G	Water			X	X	X	2	
SSP MW-1 (870-36566-8)	5/22/25	12:25 Central	G	Water			X	X	X	2	
SSP MW-5S (870-36566-9)	5/22/25	12:45 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		05/27/25-1700		MAY 27 2025		
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0905	Company
3	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time: MAY 28 2025	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8431.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-36566-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/5/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	901.1_Ra/Fill_Geo_21 (MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP MW-4S (870-36566-10)	5/22/25	14:20 Central	G	Water			X	X	X	2	
AP MWT-4S (870-36566-11)	5/22/25	14:40 Central	G	Water			X	X	X	2	
AP MW-1 (870-36566-12)	5/22/25	15:15 Central	G	Water			X	X	X	2	
AP PZ-1 (870-36566-13)	5/22/25	12:55 Central	G	Water			X	X	X	2	
AP MW-6 (870-36566-14)	5/22/25	15:40 Central	G	Water			X	X	X	2	
AP PZ-4 (870-36566-15)	5/22/25	17:15 Central	G	Water			X	X	X	2	
FB-04 (870-36566-16)	5/22/25	17:45 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 05/27/25-1700	Company	Received by: MAY 27 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0905 MAY 28 2025	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8432.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-36566-1
Address: 4145 Greenbriar Dr	Due Date Requested: 6/4/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A (MOD) CCR Appendix III/IV	7470A/7470A_Prep Mercury	9056A_ORGFM_28D/ (MOD) Local Method	6010D/3010A (MOD) LI + Minerals	2320B	6010D/FIELD_FLTRD Dissolved Metals	7470A/FIELD_FLTRD Dissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SFL MW-4S (870-36566-1)	5/21/25	12:30 Central	G	Water			X	X	X	X				4	
SFL MW-1S (CONTINGENCY) (870-36566-2)	5/21/25	13:10 Central	G	Water			X	X	X	X	X			4	
SFL MW-8S (870-36566-3)	5/21/25	15:15 Central	G	Water			X	X	X	X	X			4	
SFL MW-8D (870-36566-4)	5/21/25	16:50 Central	G	Water			X	X	X	X	X			4	
SFL MW-4S (870-36566-5)	5/21/25	15:30 Central	G	Water			X	X	X	X	X			4	
SFL MW-7S (870-36566-6)	5/21/25	16:55 Central	G	Water			X	X	X	X	X			4	
MNW-16 (870-36566-7)	5/22/25	09:45 Central	G	Water			X	X	X	X	X			4	
SSP MW-1 (870-36566-8)	5/22/25	12:25 Central	G	Water			X	X	X	X	X			4	
SSP MW-5S (870-36566-9)	5/22/25	12:45 Central	G	Water			X	X	X	X	X			4	

Preservation Codes:
Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 5/27/25 1700	Company	Received by: MAY 27 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.3

Ver 10/10/2024

7/2/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8432.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-36566-1
Address: 4145 Greenbriar Dr	Due Date Requested: 6/4/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES CCR Compliance Groundwater Monitoring	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A (MOD) CCR Appendix III/IV	7470A/7470A_Prep Mercury	9056A_ORGFM_28D/ (MOD) Local Method	6010D/3010A (MOD) LI + Minerals	2320B	6010D/FIELD_FLTRD Dissolved Metals	7470A/FIELD_FLTRD Dissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
AP MW-4S (870-36566-10)	5/22/25	14:20 Central	G	Water			X	X	X	X	X	X	X	5	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MWT-4S (870-36566-11)	5/22/25	14:40 Central	G	Water			X	X	X	X	X	X	X	5	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MW-1 (870-36566-12)	5/22/25	15:15 Central	G	Water			X	X	X	X	X			4	
AP PZ-1 (870-36566-13)	5/22/25	12:55 Central	G	Water			X	X	X	X	X			4	
AP MW-6 (870-36566-14)	5/22/25	15:40 Central	G	Water			X	X	X	X	X			4	
AP PZ-4 (870-36566-15)	5/22/25	17:15 Central	G	Water			X	X	X	X	X			4	
FB-04 (870-36566-16)	5/22/25	17:45 Central	G	Water			X	X	X	X	X			4	
SFL MWT 1S (870-36566-17)	5/21/25	13:15 Central	G	Water							X			4	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by: Date: Time:	Method of Shipment: FEDEX

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	05/27/25 1700		MAY 27 2025		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.0/4.3

Ver: 10/10/2024

7/2/2025

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36566-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36566
List Number: 1
Creator: Bodnarchuk, Andrew G

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36566-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36566
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 05/28/25 09:42 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36566-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36566
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 05/28/25 12:19 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 7/16/2025 12:25:54 PM

JOB DESCRIPTION

GCSES - CCR Compliance Groundwater Monitoring
Gibbons Creek Steam Electric Station

JOB NUMBER

870-36915-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

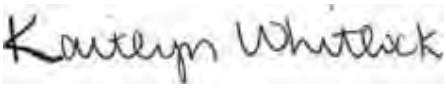
my EOL

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



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Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 870-36915-1 Eurofins Dallas

Job Narrative
870-36915-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 6/6/2025 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.9°C, 0.9°C, 1.1°C, 1.3°C, 1.5°C, 1.7°C, 1.7°C and 2.3°C.

Sample SSP MW-6S was marked for dissolved metals 6010 on the chain of custody but no bottle was provided. Reached out via email and received reply on 6/9/25 there was mistake on chain of custody and dissolved metals analysis is not required.

HPLC/IC
Method 9056A_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 860-241123 contained Fluoride above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 9056A_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 860-241123 contained Fluoride and Chloride above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-241123 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: AP MWT-3D (870-36915-9) and AP MW-3D (870-36915-10). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSP MW-3D (870-36915-1), SFL MW-2D (870-36915-2), AP PZ-4S (870-36915-3), SSP MW-2D (870-36915-5), SSP MW-6S (870-36915-6), SSP MW-5D (870-36915-7), AP MW-5D (870-36915-11), SFL MW-3D (870-36915-12), SSP MW-6D (870-36915-13), SFL MWT-5D (870-36915-14), SFL MW-5D (870-36915-15), AP MW-7S (870-36915-17), AP MW-7D (870-36915-18), MNW-15D (870-36915-21) and MNW-11 (870-36915-22). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010D: The method blank for preparation batch 860-241769 and analytical batch 860-242111 contained Potassium and Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D - Dissolved: The method blank for preparation batch 860-241769 and analytical batch 860-242111 contained Potassium and Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SSP MW-2D (870-36915-5), SSP MW-6S (870-36915-6), AP MWT-3D (870-36915-9), AP MW-3D (870-36915-10), AP MW-5D (870-36915-11), AP MW-7S (870-36915-17), AP MW-7D (870-36915-18) and FB-05 (870-36915-19).

Method SM4500_H+: The following sample was received outside of holding time: FB-06 (870-36915-20).

Method SM4500_H+: The following samples were received outside of holding time: SSP MW-3D (870-36915-1), SFL MW-2D (870-36915-2), AP PZ-4S (870-36915-3), MNWK-17 (870-36915-4), SSP MW-5D (870-36915-7), MNW-17 (870-36915-8), SFL MW-3D (870-36915-12), SSP MW-6D (870-36915-13), SFL MWT-5D (870-36915-14), SFL MW-5D (870-36915-15), SSP MWK-5D (870-36915-16), MNW-15D (870-36915-21), MNW-11 (870-36915-22) and FB-07 (870-36915-23).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma prep batch 160-721729
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following sample have been reported with the MDC achieved:

(MB 160-721729/1-A)

Method 901.1_Ra: Gamma prep batch 160-721729
The detection goal was not met for Ra226 and/or Ra228 for the following sample. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent "force-fit" of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the activity is well below the RL and MDC.

SSP MW-3D (870-36915-1), SFL MW-2D (870-36915-2), AP PZ-4S (870-36915-3), MNWK-17 (870-36915-4), SSP MW-2D (870-36915-5), MNW-17 (870-36915-8), AP MWT-3D (870-36915-9), AP MW-3D (870-36915-10), AP MW-5D (870-36915-11), SSP MW-6D (870-36915-13), SFL MW-5D (870-36915-15), SSP MWK-5D (870-36915-16), AP MW-7S (870-36915-17), AP MW-7D (870-36915-18), FB-05 (870-36915-19), FB-06 (870-36915-20) and (870-36915-B-1-B DU)

Method 901.1_Ra: Gamma Prep Batch 160-721729
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred from	Reported to Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-108m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211

Th-227	Pb-211
Bi-214	Ra-226

SSP MW-3D (870-36915-1), SFL MW-2D (870-36915-2), AP PZ-4S (870-36915-3), MNWK-17 (870-36915-4), SSP MW-2D (870-36915-5), SSP MW-6S (870-36915-6), SSP MW-5D (870-36915-7), MNW-17 (870-36915-8), AP MWT-3D (870-36915-9), AP MW-3D (870-36915-10), AP MW-5D (870-36915-11), SFL MW-3D (870-36915-12), SSP MW-6D (870-36915-13), SFL MWT-5D (870-36915-14), SFL MW-5D (870-36915-15), SSP MWK-5D (870-36915-16), AP MW-7S (870-36915-17), AP MW-7D (870-36915-18), FB-05 (870-36915-19), FB-06 (870-36915-20) and (870-36915-B-1-B DU)

Method 901.1_Ra: Gamma Batch 160-721951:

The detection goal was not met for Ra-226 and/or Ra-228 for the following samples. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent "force-fit" of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and/or Ra-228 is well below the RL and MDC.

MNW-15D (870-36915-21), MNW-11 (870-36915-22), FB-07 (870-36915-23), (860-102861-F-1-A) and (860-102861-F-1-B DU)

Method 901.1_Ra: Gamma Batch 160-721951:

Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

MNW-15D (870-36915-21), MNW-11 (870-36915-22), FB-07 (870-36915-23), (860-102861-F-1-A) and (860-102861-F-1-B DU)

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

Gas Flow Proportional Counter
Method 903.0: Radium 226 prep batch 160-721564
Insufficient sample volume was available to perform a sample duplicate for the following samples: SSP MW-3D (870-36915-1),

Job ID: 870-36915-1 (Continued) Eurofins Dallas

SFL MW-2D (870-36915-2), AP PZ-4S (870-36915-3), MNWK-17 (870-36915-4), SSP MW-6S (870-36915-6), MNW-17 (870-36915-8), AP MW-5D (870-36915-11), SSP MW-6D (870-36915-13), SFL MWT-5D (870-36915-14), SFL MW-5D (870-36915-15), SSP MWK-5D (870-36915-16), AP MW-7S (870-36915-17), AP MW-7D (870-36915-18), FB-05 (870-36915-19) and FB-06 (870-36915-20). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 prep batch 160-721565
Insufficient sample volume was available to perform a sample duplicate for the following samples: SSP MW-3D (870-36915-1), SFL MW-2D (870-36915-2), AP PZ-4S (870-36915-3), MNWK-17 (870-36915-4), SSP MW-6S (870-36915-6), MNW-17 (870-36915-8), AP MW-5D (870-36915-11), SSP MW-6D (870-36915-13), SFL MWT-5D (870-36915-14), SFL MW-5D (870-36915-15), SSP MWK-5D (870-36915-16), AP MW-7S (870-36915-17), AP MW-7D (870-36915-18), FB-05 (870-36915-19) and FB-06 (870-36915-20). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 Batch 721565

The Radium-228 laboratory control sample and laboratory control sample duplicate (LCS/LCSD) associated with the following samples recovered at 139%: (LCS 160-721565/2-A) and (LCSD 160-721565/3-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

Method 904.0: Radium 228 Batch 721565

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. SSP MW-2D (870-36915-5) and SSP MW-5D (870-36915-7)

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

Client Sample ID: SSP MW-3D

Date Collected: 06/03/25 12:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		2.50	1.25	mg/L			06/09/25 20:32	5
Fluoride	0.641	J	2.50	0.500	mg/L			06/09/25 20:32	5
Sulfate	2250		2.50	1.00	mg/L			06/09/25 20:32	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.46		0.0500	0.0162	mg/L		06/11/25 09:30	06/11/25 18:26	1
Calcium	605		10.0	5.08	mg/L		06/11/25 09:30	06/11/25 18:31	50
Lithium	0.549		0.0400	0.0174	mg/L		06/11/25 09:30	06/11/25 18:26	1
Magnesium	125		0.200	0.0445	mg/L		06/11/25 09:30	06/11/25 18:26	1
Potassium	55.4		0.500	0.106	mg/L		06/11/25 09:30	06/11/25 18:26	1
Sodium	865		25.0	7.59	mg/L		06/11/25 09:30	06/11/25 18:31	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.827		0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 21:32	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 21:32	1
Arsenic	0.00874		0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 21:32	1
Barium	0.0369		0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 21:32	1
Beryllium	0.00952		0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:25	1
Cadmium	0.000854	J	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 21:32	1
Chromium	0.00179	J	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 21:32	1
Cobalt	0.161		0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 21:32	1
Iron	3.86		0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 21:32	1
Lead	0.000649	J	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 21:32	1
Molybdenum	0.000342	J	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 21:32	1
Selenium	0.00826		0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 21:32	1
Thallium	0.000881	J	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 21:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	23.5		4.00	4.00	mg/L			06/12/25 10:37	1
Total Dissolved Solids (SM 2540C)	6240		20.0	20.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	5.0	HF			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	21.4	HF			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	16.9	U G	21.5	21.6	50.0	55.2	pCi/L	06/10/25 12:56	07/01/25 09:10	1
Radium-228	8.69	U G	25.1	25.2	50.0	51.3	pCi/L	06/10/25 12:56	07/01/25 09:10	1
Combined Radium 226 + 228	25.6	U	33.0	33.2		55.2	pCi/L	06/10/25 12:56	07/01/25 09:10	1

Client Sample ID: SSP MW-3D

Lab Sample ID: 870-36915-1
Date Collected: 06/03/25 12:30
Matrix: Water
Date Received: 06/06/25 09:35

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.82		0.407	0.439	1.00	0.292	pCi/L	06/10/25 08:02	07/02/25 22:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.62		0.722	0.838	1.00	0.581	pCi/L	06/10/25 08:05	07/02/25 09:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:53*	*1*
Y Carrier	*80.0*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:53*	*1*

Client Sample ID: SFL MW-2D

Lab Sample ID: 870-36915-2
Date Collected: 06/04/25 11:55
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1550		2.50	1.25	mg/L			06/09/25 20:58	5
Fluoride	0.538	J	2.50	0.500	mg/L			06/09/25 20:58	5
Sulfate	1450		2.50	1.00	mg/L			06/09/25 20:58	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	2.29		0.0500	0.0162	mg/L		06/11/25 09:30	06/11/25 18:28	1
Calcium	442		10.0	5.08	mg/L		06/11/25 09:30	06/11/25 18:33	50
Lithium	0.477		0.0400	0.0174	mg/L		06/11/25 09:30	06/11/25 18:28	1
Magnesium	59.9		0.200	0.0445	mg/L		06/11/25 09:30	06/11/25 18:28	1
Potassium	48.7		0.500	0.106	mg/L		06/11/25 09:30	06/11/25 18:28	1
Sodium	950		25.0	7.59	mg/L		06/11/25 09:30	06/11/25 18:33	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.120		0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 21:37	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 21:37	1
Arsenic	0.00245	J	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 21:37	1
Barium	0.0244		0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 21:37	1
Beryllium	0.00162	J	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:28	1
Cadmium	0.000438	J	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 21:37	1
Chromium	0.00107	J	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 21:37	1
Cobalt	0.0201		0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 21:37	1
Iron	0.739		0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 21:37	1
Lead	0.000485	J	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 21:37	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 21:37	1
Selenium	0.00620		0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 21:37	1

Client Sample ID: SFL MW-2D

Date Collected: 06/04/25 11:55
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.000424	J	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 21:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	37.2		4.00	4.00	mg/L			06/12/25 10:46	1
Total Dissolved Solids (SM 2540C)	4660		20.0	20.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	5.7	HF			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	21.3	HF			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	14.4	U G	8.30	8.42	50.0	81.7	pCi/L	06/10/25 12:56	07/01/25 09:10	1
Radium-228	9.79	U G	25.9	25.9	50.0	53.5	pCi/L	06/10/25 12:56	07/01/25 09:10	1
Combined Radium 226 + 228	24.2	U	27.2	27.2		81.7	pCi/L	06/10/25 12:56	07/01/25 09:10	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.759		0.298	0.305	1.00	0.313	pCi/L	06/10/25 08:02	07/02/25 22:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.1*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.53		0.685	0.758	1.00	0.592	pCi/L	06/10/25 08:05	07/02/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.1*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*
Y Carrier	*78.1*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*

Client Sample ID: AP PZ-4S

Date Collected: 06/03/25 14:25
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-3

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.517	J	2.50	0.500	mg/L			06/09/25 21:51	5
Sulfate	1170		2.50	1.00	mg/L			06/09/25 21:51	5

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP PZ-4S

Date Collected: 06/03/25 14:25
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-3

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2940**		25.0	12.5	mg/L			06/09/25 22:04	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.09**		0.0500	0.0162	mg/L		06/10/25 10:00	06/10/25 18:04	1
Calcium	**875**		10.0	5.08	mg/L		06/10/25 10:00	06/10/25 18:13	50
Lithium	**1.05**		0.0400	0.0174	mg/L		06/10/25 10:00	06/10/25 18:04	1
Magnesium	**152**		0.200	0.0445	mg/L		06/10/25 10:00	06/10/25 18:04	1
Potassium	**102**		0.500	0.106	mg/L		06/10/25 10:00	06/10/25 18:04	1
Sodium	**1240**		25.0	7.59	mg/L		06/10/25 10:00	06/10/25 18:13	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 18:56	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 18:56	1
Arsenic	**0.00723**		0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 18:56	1
Barium	**0.0858**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 18:56	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 18:56	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 18:56	1
Chromium	**0.00305**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 18:56	1
Cobalt	**0.00631**		0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 18:56	1
Iron	**0.412**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 18:56	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 18:56	1
Molybdenum	**0.00356**		0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 18:56	1
Selenium	**0.00129**	**J**	0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 18:56	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 18:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**194**		4.00	4.00	mg/L			06/12/25 10:55	1
Total Dissolved Solids (SM 2540C)	**5820**		50.0	50.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	**21.0**	**HF**			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.11	U G	9.22	9.23	50.0	64.9	pCi/L	06/10/25 12:56	07/01/25 09:11	1
Radium-228	10.4	U G	31.2	31.3	50.0	51.8	pCi/L	06/10/25 12:56	07/01/25 09:11	1
Combined Radium 226 + 228	15.6	U	32.5	32.6		64.9	pCi/L	06/10/25 12:56	07/01/25 09:11	1

Client Sample ID: AP PZ-4S

Date Collected: 06/03/25 14:25
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.60**		0.383	0.409	1.00	0.280	pCi/L	06/10/25 08:02	07/02/25 22:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.48**		0.656	0.730	1.00	0.595	pCi/L	06/10/25 08:05	07/02/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*
Y Carrier	*78.9*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*

Client Sample ID: MNWK-17

Date Collected: 06/03/25 16:40
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-4
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.402**	**J**	0.500	0.250	mg/L			06/09/25 17:49	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/10/25 11:06	1
Sulfate	**0.217**	**J**	0.500	0.200	mg/L			06/09/25 17:49	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 09:30	06/11/25 18:29	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 09:30	06/11/25 18:29	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 09:30	06/11/25 18:29	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 09:30	06/11/25 18:29	1
Potassium	<0.106	U	0.500	0.106	mg/L		06/11/25 09:30	06/11/25 18:29	1
Sodium	**0.402**	**J**	0.500	0.152	mg/L		06/11/25 09:30	06/11/25 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 21:42	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 21:42	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 21:42	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 21:42	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:30	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 21:42	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 21:42	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 21:42	1
Iron	**0.00536**	**J**	0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 21:42	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 21:42	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 21:42	1
Selenium	**0.000604**	**J**	0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 21:42	1

Client Sample ID: MNWK-17

Date Collected: 06/03/25 16:40
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 21:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/12/25 10:59	1
Total Dissolved Solids (SM 2540C)	**10.0**		2.50	2.50	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**6.2**	**HF**			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	**21.2**	**HF**			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-1.31	U G	4.05	4.05	50.0	63.9	pCi/L	06/10/25 12:56	07/01/25 12:40	1
Radium-228	13.6	U	25.2	25.2	50.0	39.0	pCi/L	06/10/25 12:56	07/01/25 12:40	1
Combined Radium 226 + 228	12.3	U	25.5	25.5		63.9	pCi/L	06/10/25 12:56	07/01/25 12:40	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0329	U	0.162	0.162	1.00	0.311	pCi/L	06/10/25 08:02	07/02/25 22:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.763**		0.410	0.416	1.00	0.587	pCi/L	06/10/25 08:05	07/02/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*
Y Carrier	*81.9*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*

Client Sample ID: SSP MW-2D

Date Collected: 06/02/25 13:40
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-5
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2480**		2.50	1.25	mg/L			06/09/25 22:17	5
Fluoride	<0.500	U	2.50	0.500	mg/L			06/09/25 22:17	5
Sulfate	**2030**		2.50	1.00	mg/L			06/09/25 22:17	5

Client Sample ID: SSP MW-2D

Date Collected: 06/02/25 13:40
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-5

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**131**		0.200	0.0445	mg/L		06/10/25 10:00	06/10/25 18:06	1
Potassium	**60.6**		0.500	0.106	mg/L		06/10/25 10:00	06/10/25 18:06	1
Sodium	**1060**		25.0	7.59	mg/L		06/10/25 10:00	06/10/25 18:14	50
Lithium	**0.663**		0.0400	0.0174	mg/L		06/10/25 10:00	06/10/25 18:06	1
Calcium	**755**		10.0	5.08	mg/L		06/10/25 10:00	06/10/25 18:14	50
Boron	**0.503**		0.0500	0.0162	mg/L		06/10/25 10:00	06/10/25 18:06	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/11/25 14:00	06/12/25 13:17	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/11/25 14:00	06/12/25 13:17	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/11/25 14:00	06/12/25 13:17	1
Barium	**0.0316**		0.0100	0.00125	mg/L		06/11/25 14:00	06/12/25 13:17	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/11/25 14:00	06/12/25 13:17	1
Boron	**0.568**		0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 13:17	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/11/25 14:00	06/12/25 13:17	1
Calcium	**945**		10.0	5.08	mg/L		06/11/25 14:00	06/12/25 13:24	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/11/25 14:00	06/12/25 13:17	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/11/25 14:00	06/12/25 13:17	1
Iron	**1.90**		0.200	0.0283	mg/L		06/11/25 14:00	06/12/25 13:17	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/11/25 14:00	06/12/25 13:17	1
Lithium	**0.697**		0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 13:17	1
Magnesium	**147**		0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 13:17	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/11/25 14:00	06/12/25 13:17	1
Potassium	**71.2**	**B**	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 13:17	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/11/25 14:00	06/12/25 13:17	1
Sodium	**1360**	**B**	25.0	7.59	mg/L		06/11/25 14:00	06/12/25 13:24	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/11/25 14:00	06/12/25 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.42**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:01	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:01	1
Arsenic	**0.00245**	**J**	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:01	1
Barium	**0.0418**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:01	1
Beryllium	**0.000366**	**J**	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:01	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:01	1
Chromium	**0.00148**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:01	1
Cobalt	**0.00131**	**J**	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:01	1
Iron	**2.46**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:01	1
Lead	**0.00134**	**J**	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:01	1
Molybdenum	**0.000333**	**J**	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:01	1
Selenium	**0.00199**	**J**	0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 19:01	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:16	06/10/25 15:44	1

Client Sample ID: SSP MW-2D

Lab Sample ID: 870-36915-5
Date Collected: 06/02/25 13:40
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	91.5		4.00	4.00	mg/L			06/12/25 11:03	1
Total Dissolved Solids (SM 2540C)	6690		20.0	20.0	mg/L			06/06/25 15:43	1
pH (SM 4500 H+ B)	5.8	HF			SU			06/06/25 14:08	1
Temperature (SM 4500 H+ B)	19.1	HF			Celsius			06/06/25 14:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	9.00	U G	15.1	15.1	50.0	56.8	pCi/L	06/10/25 12:56	07/01/25 12:41	1
Radium-228	1.79	U	27.7	27.7	50.0	48.5	pCi/L	06/10/25 12:56	07/01/25 12:41	1
Combined Radium 226 + 228	10.8	U	31.5	31.5		56.8	pCi/L	06/10/25 12:56	07/01/25 12:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.705		0.420	0.424	1.00	0.540	pCi/L	06/10/25 08:02	07/02/25 22:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.96	G	0.960	0.998	1.00	1.16	pCi/L	06/10/25 08:05	07/02/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*
Y Carrier	*83.0*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*

Client Sample ID: SSP MW-6S

Lab Sample ID: 870-36915-6
Date Collected: 06/02/25 17:20
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1560		2.50	1.25	mg/L			06/09/25 22:44	5
Fluoride	0.914	J	2.50	0.500	mg/L			06/09/25 22:44	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2770		25.0	10.0	mg/L			06/09/25 22:57	50

Client Sample ID: SSP MW-6S

Date Collected: 06/02/25 17:20
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-6

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**158**		0.200	0.0445	mg/L		06/11/25 09:30	06/11/25 18:41	1
Potassium	**43.1**		0.500	0.106	mg/L		06/11/25 09:30	06/11/25 18:41	1
Sodium	**1030**		25.0	7.59	mg/L		06/11/25 09:30	06/11/25 18:47	50
Lithium	**0.436**		0.0400	0.0174	mg/L		06/11/25 09:30	06/11/25 18:41	1
Calcium	**615**		10.0	5.08	mg/L		06/11/25 09:30	06/11/25 18:47	50
Boron	**0.354**		0.0500	0.0162	mg/L		06/11/25 09:30	06/11/25 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.485**		0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 21:45	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 21:45	1
Arsenic	**0.00146**	**J**	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 21:45	1
Barium	**0.0181**		0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 21:45	1
Beryllium	**0.0690**		0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:33	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 21:45	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 21:45	1
Cobalt	**0.0126**		0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 21:45	1
Iron	**6.95**		0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 21:45	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 21:45	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 21:45	1
Selenium	**0.00400**		0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 21:45	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 21:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**50.7**		4.00	4.00	mg/L			06/12/25 11:15	1
Total Dissolved Solids (SM 2540C)	**6430**		20.0	20.0	mg/L			06/06/25 15:43	1
pH (SM 4500 H+ B)	**5.2**	**HF**			SU			06/06/25 14:08	1
Temperature (SM 4500 H+ B)	**19.3**	**HF**			Celsius			06/06/25 14:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**27.5**		17.2	17.4	50.0	23.0	pCi/L	06/10/25 12:56	07/01/25 15:07	1
Radium-228	21.1	U	28.5	28.6	50.0	44.4	pCi/L	06/10/25 12:56	07/01/25 15:07	1
Combined Radium 226 + 228	**48.6**		33.3	33.5		44.4	pCi/L	06/10/25 12:56	07/01/25 15:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.549**		0.228	0.233	1.00	0.206	pCi/L	06/10/25 08:02	07/02/25 22:03	1

Client Sample ID: SSP MW-6S

Date Collected: 06/02/25 17:20
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-6

Matrix: Water

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110	06/10/25 08:02	07/02/25 22:03	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.26**		0.667	0.731	1.00	0.618	pCi/L	06/10/25 08:05	07/02/25 09:54	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110	06/10/25 08:05	07/02/25 09:54	1
Y Carrier	74.0		30 - 110	06/10/25 08:05	07/02/25 09:54	1

Client Sample ID: SSP MW-5D

Date Collected: 06/03/25 11:50
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-7

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		2.50	1.25	mg/L			06/09/25 23:10	5
Fluoride	**0.542**	**J**	2.50	0.500	mg/L			06/09/25 23:10	5
Sulfate	**232**		2.50	1.00	mg/L			06/09/25 23:10	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**32.6**		0.200	0.0445	mg/L		06/11/25 09:30	06/11/25 18:43	1
Potassium	**27.2**		0.500	0.106	mg/L		06/11/25 09:30	06/11/25 18:43	1
Sodium	**660**		25.0	7.59	mg/L		06/11/25 09:30	06/11/25 18:48	50
Lithium	**0.313**		0.0400	0.0174	mg/L		06/11/25 09:30	06/11/25 18:43	1
Calcium	**210**		10.0	5.08	mg/L		06/11/25 09:30	06/11/25 18:48	50
Boron	**0.527**		0.0500	0.0162	mg/L		06/11/25 09:30	06/11/25 18:43	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/11/25 14:00	06/12/25 13:19	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/11/25 14:00	06/12/25 13:19	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/11/25 14:00	06/12/25 13:19	1
Barium	**0.0442**		0.0100	0.00125	mg/L		06/11/25 14:00	06/12/25 13:19	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/11/25 14:00	06/12/25 13:19	1
Boron	**0.560**		0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 13:19	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/11/25 14:00	06/12/25 13:19	1
Calcium	**249**		10.0	5.08	mg/L		06/11/25 14:00	06/12/25 13:26	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/11/25 14:00	06/12/25 13:19	1
Cobalt	**0.00287**	**J**	0.0100	0.00123	mg/L		06/11/25 14:00	06/12/25 13:19	1
Iron	**0.803**		0.200	0.0283	mg/L		06/11/25 14:00	06/12/25 13:19	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/11/25 14:00	06/12/25 13:19	1
Lithium	**0.337**		0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 13:19	1
Magnesium	**35.5**		0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 13:19	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/11/25 14:00	06/12/25 13:19	1
Potassium	**30.8**	**B**	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 13:19	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/11/25 14:00	06/12/25 13:19	1

Client Sample ID: SSP MW-5D

Date Collected: 06/03/25 11:50
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-7

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**755**	**B**	25.0	7.59	mg/L		06/11/25 14:00	06/12/25 13:26	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/11/25 14:00	06/12/25 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.15**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:11	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:11	1
Arsenic	**0.00122**	**J**	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:11	1
Barium	**0.0489**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:11	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:11	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:11	1
Chromium	**0.00112**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:11	1
Cobalt	**0.000581**	**J**	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:11	1
Iron	**1.52**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:11	1
Lead	**0.00101**	**J**	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:11	1
Molybdenum	**0.00126**	**J**	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:11	1
Selenium	**0.00101**	**J**	0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 19:11	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:45	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**304**		4.00	4.00	mg/L			06/12/25 11:19	1
Total Dissolved Solids (SM 2540C)	**2750**		20.0	20.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**6.8**	**HF**			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	**20.1**	**HF**			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	9.46	U	25.7	25.7	50.0	27.9	pCi/L	06/10/25 12:56	07/01/25 15:08	1
Radium-228	16.9	U	28.5	28.6	50.0	45.4	pCi/L	06/10/25 12:56	07/01/25 15:08	1
Combined Radium 226 + 228	26.4	U	38.4	38.5		45.4	pCi/L	06/10/25 12:56	07/01/25 15:08	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.634**		0.379	0.383	1.00	0.476	pCi/L	06/10/25 08:02	07/02/25 22:03	1

Client Sample ID: SSP MW-5D

Date Collected: 06/03/25 11:50
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-7

Matrix: Water

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	60.4		30 - 110	06/10/25 08:02	07/02/25 22:03	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.46**	**G**	0.948	0.975	1.00	1.20	pCi/L	06/10/25 08:05	07/02/25 09:54	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	60.4		30 - 110	06/10/25 08:05	07/02/25 09:54	1
Y Carrier	72.9		30 - 110	06/10/25 08:05	07/02/25 09:54	1

Client Sample ID: MNW-17

Date Collected: 06/03/25 15:55
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-8

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.4**		0.500	0.250	mg/L			06/09/25 17:59	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/10/25 11:13	1
Sulfate	**8.72**		0.500	0.200	mg/L			06/09/25 17:59	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 09:30	06/11/25 18:45	1
Calcium	**4.21**		0.200	0.102	mg/L		06/11/25 09:30	06/11/25 18:45	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 09:30	06/11/25 18:45	1
Magnesium	**0.623**		0.200	0.0445	mg/L		06/11/25 09:30	06/11/25 18:45	1
Potassium	**0.456**	**J**	0.500	0.106	mg/L		06/11/25 09:30	06/11/25 18:45	1
Sodium	**20.0**		0.500	0.152	mg/L		06/11/25 09:30	06/11/25 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.956**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:16	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:16	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:16	1
Barium	**0.0137**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:16	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:16	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:16	1
Chromium	**0.000880**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:16	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:16	1
Iron	**0.629**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:16	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:16	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:16	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 19:16	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:47	1

Client Sample ID: MNW-17

Lab Sample ID: 870-36915-8
Date Collected: 06/03/25 15:55
Matrix: Water
Date Received: 06/06/25 09:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**20.8**		4.00	4.00	mg/L			06/12/25 11:24	1
Total Dissolved Solids (SM 2540C)	**102**		2.50	2.50	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	**20.3**	**HF**			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.97	U G	3.44	3.45	50.0	55.3	pCi/L	06/10/25 12:56	07/01/25 15:10	1
Radium-228	0.528	U	26.9	26.9	50.0	46.2	pCi/L	06/10/25 12:56	07/01/25 15:10	1
Combined Radium 226 + 228	2.49	U	27.1	27.1		55.3	pCi/L	06/10/25 12:56	07/01/25 15:10	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0226	U	0.141	0.141	1.00	0.288	pCi/L	06/10/25 08:02	07/02/25 22:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.1*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.319	U	0.406	0.407	1.00	0.674	pCi/L	06/10/25 08:05	07/02/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.1*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*
Y Carrier	*80.7*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:54*	*1*

Client Sample ID: AP MWT-3D

Lab Sample ID: 870-36915-9
Date Collected: 06/02/25 13:45
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		0.500	0.250	mg/L			06/09/25 21:41	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/10/25 12:42	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**869**		5.00	2.00	mg/L			06/09/25 21:51	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**25.1**		0.200	0.0445	mg/L		06/10/25 10:00	06/10/25 18:07	1
Potassium	**20.6**		0.500	0.106	mg/L		06/10/25 10:00	06/10/25 18:07	1
Sodium	**258**		0.500	0.152	mg/L		06/10/25 10:00	06/10/25 18:07	1

Client Sample ID: AP MWT-3D

Date Collected: 06/02/25 13:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-9

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.164**		0.0400	0.0174	mg/L		06/10/25 10:00	06/10/25 18:07	1
Calcium	**204**		10.0	5.08	mg/L		06/10/25 10:00	06/10/25 18:16	50
Boron	**1.53**		0.0500	0.0162	mg/L		06/10/25 10:00	06/10/25 18:07	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/11/25 14:00	06/12/25 13:21	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/11/25 14:00	06/12/25 13:21	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/11/25 14:00	06/12/25 13:21	1
Barium	**0.0389**		0.0100	0.00125	mg/L		06/11/25 14:00	06/12/25 13:21	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/11/25 14:00	06/12/25 13:21	1
Boron	**1.59**		0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 13:21	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/11/25 14:00	06/12/25 13:21	1
Calcium	**215**		10.0	5.08	mg/L		06/11/25 14:00	06/12/25 13:28	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/11/25 14:00	06/12/25 13:21	1
Cobalt	**0.0398**		0.0100	0.00123	mg/L		06/11/25 14:00	06/12/25 13:21	1
Iron	**2.00**		0.200	0.0283	mg/L		06/11/25 14:00	06/12/25 13:21	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/11/25 14:00	06/12/25 13:21	1
Lithium	**0.153**		0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 13:21	1
Magnesium	**25.9**		0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 13:21	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/11/25 14:00	06/12/25 13:21	1
Potassium	**22.3**	**B**	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 13:21	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/11/25 14:00	06/12/25 13:21	1
Sodium	**271**	**B**	0.500	0.152	mg/L		06/11/25 14:00	06/12/25 13:21	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/11/25 14:00	06/12/25 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.55**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:19	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:19	1
Arsenic	**0.00756**		0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:19	1
Barium	**0.0486**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:19	1
Beryllium	**0.00103**	**J**	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:19	1
Cadmium	**0.000452**	**J**	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:19	1
Chromium	**0.00156**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:19	1
Cobalt	**0.0410**		0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:19	1
Iron	**2.68**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:19	1
Lead	**0.00196**	**J**	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:19	1
Molybdenum	**0.00116**	**J**	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:19	1
Selenium	**0.00366**		0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 19:19	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 15:04	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:34	1

Client Sample ID: AP MWT-3D

Lab Sample ID: 870-36915-9
Matrix: Water
Date Collected: 06/02/25 13:45
Date Received: 06/06/25 09:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	42.8		4.00	4.00	mg/L			06/12/25 11:29	1
Total Dissolved Solids (SM 2540C)	1780		5.00	5.00	mg/L			06/06/25 15:43	1
pH (SM 4500 H+ B)	5.6	HF			SU			06/06/25 14:08	1
Temperature (SM 4500 H+ B)	19.0	HF			Celsius			06/06/25 14:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.74	U G	9.51	9.53	50.0	61.8	pCi/L	06/10/25 12:56	07/01/25 15:09	1
Radium-228	-14.8	U G	40.4	40.5	50.0	64.3	pCi/L	06/10/25 12:56	07/01/25 15:09	1
Combined Radium 226 + 228	-9.09	U	41.5	41.6		64.3	pCi/L	06/10/25 12:56	07/01/25 15:09	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.728		0.334	0.340	1.00	0.378	pCi/L	06/10/25 08:02	07/02/25 22:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.21		0.630	0.662	1.00	0.690	pCi/L	06/10/25 08:05	07/02/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:55*	*1*
Y Carrier	*84.9*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:55*	*1*

Client Sample ID: AP MW-3D

Lab Sample ID: 870-36915-10
Matrix: Water
Date Collected: 06/02/25 12:45
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		0.500	0.250	mg/L			06/09/25 22:01	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/10/25 12:49	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	887		5.00	2.00	mg/L			06/09/25 22:11	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	25.8		0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 12:12	1
Potassium	22.0		0.500	0.106	mg/L		06/11/25 13:30	06/12/25 12:12	1
Sodium	268		0.500	0.152	mg/L		06/11/25 13:30	06/12/25 12:12	1

Client Sample ID: AP MW-3D

Date Collected: 06/02/25 12:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-10

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.160**		0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 12:12	1
Calcium	**197**		10.0	5.08	mg/L		06/11/25 13:30	06/12/25 12:26	50
Boron	**1.56**		0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 12:12	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/11/25 14:00	06/12/25 13:33	1
Antimony	**0.0421**		0.0200	0.00803	mg/L		06/11/25 14:00	06/12/25 13:33	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/11/25 14:00	06/12/25 13:33	1
Barium	**0.0384**		0.0100	0.00125	mg/L		06/11/25 14:00	06/12/25 13:33	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/11/25 14:00	06/12/25 13:33	1
Boron	**1.56**		0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 13:33	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/11/25 14:00	06/12/25 13:33	1
Calcium	**211**		10.0	5.08	mg/L		06/11/25 14:00	06/12/25 13:43	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/11/25 14:00	06/12/25 13:33	1
Cobalt	**0.0400**		0.0100	0.00123	mg/L		06/11/25 14:00	06/12/25 13:33	1
Iron	**2.07**		0.200	0.0283	mg/L		06/11/25 14:00	06/12/25 13:33	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/11/25 14:00	06/12/25 13:33	1
Lithium	**0.155**		0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 13:33	1
Magnesium	**25.4**		0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 13:33	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/11/25 14:00	06/12/25 13:33	1
Potassium	**21.8**	**B**	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 13:33	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/11/25 14:00	06/12/25 13:33	1
Sodium	**266**	**B**	0.500	0.152	mg/L		06/11/25 14:00	06/12/25 13:33	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/11/25 14:00	06/12/25 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.50**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:24	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:24	1
Arsenic	**0.00711**		0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:24	1
Barium	**0.0417**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:24	1
Beryllium	**0.000889**	**J**	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:24	1
Cadmium	**0.000398**	**J**	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:24	1
Chromium	**0.00136**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:24	1
Cobalt	**0.0374**		0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:24	1
Iron	**2.39**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:24	1
Lead	**0.00153**	**J**	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:24	1
Molybdenum	**0.00111**	**J**	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:24	1
Selenium	**0.00316**		0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 19:24	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:48	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:38	1

Client Sample ID: AP MW-3D

Lab Sample ID: 870-36915-10

Date Collected: 06/02/25 12:45
Matrix: Water
Date Received: 06/06/25 09:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	46.2		4.00	4.00	mg/L			06/12/25 11:34	1
Total Dissolved Solids (SM 2540C)	1770		10.0	10.0	mg/L			06/06/25 15:43	1
pH (SM 4500 H+ B)	5.6	HF			SU			06/06/25 14:08	1
Temperature (SM 4500 H+ B)	18.9	HF			Celsius			06/06/25 14:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	26.3		15.9	16.1	50.0	19.0	pCi/L	06/10/25 12:56	07/01/25 16:44	1
Radium-228	-5.17	U G	9.07	9.08	50.0	54.2	pCi/L	06/10/25 12:56	07/01/25 16:44	1
Combined Radium 226 + 228	21.2	U	18.3	18.5		54.2	pCi/L	06/10/25 12:56	07/01/25 16:44	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.378	U	0.276	0.278	1.00	0.384	pCi/L	06/10/25 08:02	07/02/25 22:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.26		0.659	0.691	1.00	0.688	pCi/L	06/10/25 08:05	07/02/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:55*	*1*
Y Carrier	*79.3*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:55*	*1*

Client Sample ID: AP MW-5D

Lab Sample ID: 870-36915-11

Date Collected: 06/02/25 18:55
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		2.50	1.25	mg/L			06/09/25 23:37	5
Fluoride	3.85		2.50	0.500	mg/L			06/09/25 23:37	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2920		25.0	10.0	mg/L			06/09/25 23:50	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.29		0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:59	1
Calcium	540		10.0	5.08	mg/L		06/11/25 13:30	06/12/25 12:07	50
Lithium	1.06		0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:59	1

Client Sample ID: AP MW-5D

Date Collected: 06/02/25 18:55
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-11

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**159**		0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:59	1
Potassium	**68.4**		0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:59	1
Sodium	**1040**		25.0	7.59	mg/L		06/11/25 13:30	06/12/25 12:07	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**18.1**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:29	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:29	1
Arsenic	**0.0102**		0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:29	1
Barium	**0.0157**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:29	1
Beryllium	**0.108**		0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:29	1
Cadmium	**0.00255**		0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:29	1
Chromium	**0.000961**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:29	1
Cobalt	**0.0574**		0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:29	1
Iron	**5.89**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:29	1
Lead	**0.000653**	**J**	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:29	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:29	1
Selenium	**0.126**		0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 19:29	1
Thallium	**0.000606**	**J**	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/12/25 11:38	1
Total Dissolved Solids (SM 2540C)	**5340**		20.0	20.0	mg/L			06/06/25 15:43	1
pH (SM 4500 H+ B)	**4.0**	**HF**			SU			06/06/25 14:08	1
Temperature (SM 4500 H+ B)	**18.4**	**HF**			Celsius			06/06/25 14:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-7.25	U G	20.6	20.6	50.0	101	pCi/L	06/10/25 12:56	07/01/25 16:45	1
Radium-228	20.7	U	36.0	36.1	50.0	46.0	pCi/L	06/10/25 12:56	07/01/25 16:45	1
Combined Radium 226 + 228	13.4	U	41.5	41.6		101	pCi/L	06/10/25 12:56	07/01/25 16:45	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.13**		0.333	0.348	1.00	0.302	pCi/L	06/10/25 08:02	07/02/25 22:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:04*	*1*

Client Sample ID: AP MW-5D

Lab Sample ID: 870-36915-11
Matrix: Water
Date Collected: 06/02/25 18:55
Date Received: 06/06/25 09:35

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.25		0.674	0.780	1.00	0.477	pCi/L	06/10/25 08:05	07/02/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:55*	*1*
Y Carrier	*79.6*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:55*	*1*

Client Sample ID: SFL MW-3D

Lab Sample ID: 870-36915-12
Matrix: Water
Date Collected: 06/04/25 11:45
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		2.50	1.25	mg/L			06/10/25 00:29	5
Fluoride	0.500	J	2.50	0.500	mg/L			06/10/25 00:29	5
Sulfate	879		2.50	1.00	mg/L			06/10/25 00:29	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	53.8		0.200	0.0445	mg/L		06/11/25 09:00	06/13/25 11:33	1
Potassium	50.1		0.500	0.106	mg/L		06/11/25 09:00	06/13/25 11:33	1
Sodium	869		0.500	0.152	mg/L		06/11/25 09:00	06/13/25 11:33	1
Lithium	0.470		0.0400	0.0174	mg/L		06/11/25 09:00	06/13/25 11:33	1
Calcium	375		0.200	0.102	mg/L		06/11/25 09:00	06/13/25 11:33	1
Boron	1.02		0.0500	0.0162	mg/L		06/11/25 09:00	06/13/25 11:33	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/10/25 10:00	06/13/25 11:42	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/10/25 10:00	06/13/25 11:42	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/10/25 10:00	06/13/25 11:42	1
Barium	0.0400		0.0100	0.00125	mg/L		06/10/25 10:00	06/13/25 11:42	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/10/25 10:00	06/13/25 11:42	1
Boron	0.962		0.0500	0.0162	mg/L		06/10/25 10:00	06/13/25 11:42	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/10/25 10:00	06/13/25 11:42	1
Calcium	355		0.200	0.102	mg/L		06/10/25 10:00	06/13/25 11:42	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/10/25 10:00	06/13/25 11:42	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/10/25 10:00	06/13/25 11:42	1
Iron	2.11		0.200	0.0283	mg/L		06/10/25 10:00	06/13/25 11:42	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/10/25 10:00	06/13/25 11:42	1
Lithium	0.444		0.0400	0.0174	mg/L		06/10/25 10:00	06/13/25 11:42	1
Magnesium	51.0		0.200	0.0445	mg/L		06/10/25 10:00	06/13/25 11:42	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/10/25 10:00	06/13/25 11:42	1
Potassium	47.8		0.500	0.106	mg/L		06/10/25 10:00	06/13/25 11:42	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/10/25 10:00	06/13/25 11:42	1
Sodium	823		0.500	0.152	mg/L		06/10/25 10:00	06/13/25 11:42	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/10/25 10:00	06/13/25 11:42	1

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-3D

Date Collected: 06/04/25 11:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.337**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:34	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:34	1
Arsenic	**0.00271**	**J**	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:34	1
Barium	**0.0395**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:34	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:34	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:34	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:34	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:34	1
Iron	**2.08**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:34	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:34	1
Molybdenum	**0.000728**	**J**	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:34	1
Selenium	**0.000834**	**J**	0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 19:34	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:44	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:16	06/10/25 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**219**		4.00	4.00	mg/L			06/12/25 11:40	1
Total Dissolved Solids (SM 2540C)	**4150**		20.0	20.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**6.7**	**HF**			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	**21.2**	**HF**			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.59	U	13.6	13.6	50.0	22.1	pCi/L	06/10/25 12:56	07/01/25 16:45	1
Radium-228	10.5	U	25.2	25.2	50.0	41.5	pCi/L	06/10/25 12:56	07/01/25 16:45	1
Combined Radium 226 + 228	18.1	U	28.6	28.6		41.5	pCi/L	06/10/25 12:56	07/01/25 16:45	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.609**		0.300	0.305	1.00	0.333	pCi/L	06/10/25 08:02	07/02/25 22:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:04*	*1*

Client Sample ID: SFL MW-3D

Lab Sample ID: 870-36915-12
Date Collected: 06/04/25 11:45
Matrix: Water
Date Received: 06/06/25 09:35

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.03		0.627	0.655	1.00	0.723	pCi/L	06/10/25 08:05	07/02/25 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*
Y Carrier	*84.1*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*

Client Sample ID: SSP MW-6D

Lab Sample ID: 870-36915-13
Date Collected: 06/03/25 12:00
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		2.50	1.25	mg/L			06/10/25 00:56	5
Fluoride	0.507	J	2.50	0.500	mg/L			06/10/25 00:56	5
Sulfate	1090		2.50	1.00	mg/L			06/10/25 00:56	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.531		0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 12:14	1
Calcium	404		10.0	5.08	mg/L		06/11/25 13:30	06/12/25 12:28	50
Lithium	0.354		0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 12:14	1
Magnesium	70.2		0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 12:14	1
Potassium	48.1		0.500	0.106	mg/L		06/11/25 13:30	06/12/25 12:14	1
Sodium	900		25.0	7.59	mg/L		06/11/25 13:30	06/12/25 12:28	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0469		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:44	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:44	1
Arsenic	0.00156	J	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:44	1
Barium	0.0446		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:44	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:44	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:44	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:44	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:44	1
Iron	1.83		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:44	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:44	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:44	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:30	06/11/25 17:26	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:16	06/10/25 15:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	267		4.00	4.00	mg/L			06/12/25 11:45	1

Client Sample ID: SSP MW-6D

Date Collected: 06/03/25 12:00
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-13

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4150		20.0	20.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	6.5	HF			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	20.4	HF			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-11.7	U G	25.0	25.0	50.0	64.6	pCi/L	06/10/25 12:56	07/01/25 16:47	1
Radium-228	-1.90	U G	33.9	33.9	50.0	58.0	pCi/L	06/10/25 12:56	07/01/25 16:47	1
Combined Radium 226 + 228	-13.6	U	42.1	42.1		64.6	pCi/L	06/10/25 12:56	07/01/25 16:47	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.863		0.292	0.302	1.00	0.263	pCi/L	06/10/25 08:02	07/02/25 22:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.55		0.663	0.739	1.00	0.582	pCi/L	06/10/25 08:05	07/02/25 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*
Y Carrier	*77.8*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*

Client Sample ID: SFL MWT-5D

Date Collected: 06/03/25 17:10
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-14

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	954		2.50	1.25	mg/L			06/10/25 01:22	5
Fluoride	0.659	J	2.50	0.500	mg/L			06/10/25 01:22	5
Sulfate	697		2.50	1.00	mg/L			06/10/25 01:22	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	17.7		0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 13:52	1
Potassium	42.8	B	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 13:52	1
Sodium	815	B	25.0	7.59	mg/L		06/11/25 14:00	06/12/25 13:53	50
Lithium	0.403		0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 13:52	1
Calcium	174		10.0	5.08	mg/L		06/11/25 14:00	06/12/25 13:53	50
Boron	1.27		0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 13:52	1

Client Sample ID: SFL MWT-5D

Date Collected: 06/03/25 17:10
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-14

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/10/25 10:00	06/10/25 18:33	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/10/25 10:00	06/10/25 18:33	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/10/25 10:00	06/10/25 18:33	1
Barium	**0.0378**		0.0100	0.00125	mg/L		06/10/25 10:00	06/10/25 18:33	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/10/25 10:00	06/10/25 18:33	1
Boron	**1.33**		0.0500	0.0162	mg/L		06/10/25 10:00	06/10/25 18:33	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/10/25 10:00	06/10/25 18:33	1
Calcium	**167**		10.0	5.08	mg/L		06/10/25 10:00	06/10/25 18:37	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/10/25 10:00	06/10/25 18:33	1
Cobalt	**0.00230**	**J**	0.0100	0.00123	mg/L		06/10/25 10:00	06/10/25 18:33	1
Iron	**0.358**		0.200	0.0283	mg/L		06/10/25 10:00	06/10/25 18:33	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/10/25 10:00	06/10/25 18:33	1
Lithium	**0.424**		0.0400	0.0174	mg/L		06/10/25 10:00	06/10/25 18:33	1
Magnesium	**18.5**		0.200	0.0445	mg/L		06/10/25 10:00	06/10/25 18:33	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/10/25 10:00	06/10/25 18:33	1
Potassium	**42.9**		0.500	0.106	mg/L		06/10/25 10:00	06/10/25 18:33	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/10/25 10:00	06/10/25 18:33	1
Sodium	**785**		25.0	7.59	mg/L		06/10/25 10:00	06/10/25 18:37	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/10/25 10:00	06/10/25 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0627**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:49	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:49	1
Arsenic	**0.00235**	**J**	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:49	1
Barium	**0.0387**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:49	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:49	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:49	1
Chromium	**0.000906**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:49	1
Cobalt	**0.00113**	**J**	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:49	1
Iron	**0.791**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:49	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:49	1
Molybdenum	**0.00930**		0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:49	1
Selenium	**0.000664**	**J B**	0.00200	0.000590	mg/L		06/10/25 09:30	06/11/25 17:28	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:45	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:16	06/10/25 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**254**		4.00	4.00	mg/L			06/12/25 11:50	1
Total Dissolved Solids (SM 2540C)	**2690**		20.0	20.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**7.4**	**HF**			SU			06/09/25 11:51	1

Client Sample ID: SFL MWT-5D

Lab Sample ID: 870-36915-14
Date Collected: 06/03/25 17:10
Matrix: Water
Date Received: 06/06/25 09:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Temperature (SM 4500 H+ B)	21.3	HF			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.31	U	15.2	15.2	50.0	49.3	pCi/L	06/10/25 12:56	07/01/25 16:47	1
Radium-228	17.5	U	32.7	32.8	50.0	48.5	pCi/L	06/10/25 12:56	07/01/25 16:47	1
Combined Radium 226 + 228	25.8	U	36.1	36.2		49.3	pCi/L	06/10/25 12:56	07/01/25 16:47	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.480		0.223	0.228	1.00	0.234	pCi/L	06/10/25 08:02	07/02/25 22:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.42		0.442	0.461	1.00	0.491	pCi/L	06/10/25 08:05	07/02/25 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*
Y Carrier	*80.4*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*

Client Sample ID: SFL MW-5D

Lab Sample ID: 870-36915-15
Date Collected: 06/03/25 16:20
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	964		2.50	1.25	mg/L			06/10/25 01:49	5
Fluoride	0.675	J	2.50	0.500	mg/L			06/10/25 01:49	5
Sulfate	704		2.50	1.00	mg/L			06/10/25 01:49	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	18.3		0.200	0.0445	mg/L		06/10/25 10:00	06/10/25 18:09	1
Potassium	42.4		0.500	0.106	mg/L		06/10/25 10:00	06/10/25 18:09	1
Sodium	805		25.0	7.59	mg/L		06/10/25 10:00	06/10/25 18:18	50
Lithium	0.417		0.0400	0.0174	mg/L		06/10/25 10:00	06/10/25 18:09	1
Calcium	175		10.0	5.08	mg/L		06/10/25 10:00	06/10/25 18:18	50
Boron	1.30		0.0500	0.0162	mg/L		06/10/25 10:00	06/10/25 18:09	1

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-5D

Date Collected: 06/03/25 16:20
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-15

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/11/25 14:00	06/12/25 13:34	1
Antimony	**0.0125**	**J**	0.0200	0.00803	mg/L		06/11/25 14:00	06/12/25 13:34	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/11/25 14:00	06/12/25 13:34	1
Barium	**0.0380**		0.0100	0.00125	mg/L		06/11/25 14:00	06/12/25 13:34	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/11/25 14:00	06/12/25 13:34	1
Boron	**1.32**		0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 13:34	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/11/25 14:00	06/12/25 13:34	1
Calcium	**186**		10.0	5.08	mg/L		06/11/25 14:00	06/12/25 13:45	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/11/25 14:00	06/12/25 13:34	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/11/25 14:00	06/12/25 13:34	1
Iron	**0.359**		0.200	0.0283	mg/L		06/11/25 14:00	06/12/25 13:34	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/11/25 14:00	06/12/25 13:34	1
Lithium	**0.417**		0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 13:34	1
Magnesium	**18.0**		0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 13:34	1
Molybdenum	**0.00298**	**J**	0.0100	0.00260	mg/L		06/11/25 14:00	06/12/25 13:34	1
Potassium	**44.3**	**B**	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 13:34	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/11/25 14:00	06/12/25 13:34	1
Sodium	**870**	**B**	25.0	7.59	mg/L		06/11/25 14:00	06/12/25 13:45	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/11/25 14:00	06/12/25 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0675**		0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:54	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:54	1
Arsenic	**0.00227**	**J**	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:54	1
Barium	**0.0403**		0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:54	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:54	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:54	1
Chromium	**0.000975**	**J**	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:54	1
Cobalt	**0.00111**	**J**	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:54	1
Iron	**0.770**		0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:54	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:54	1
Molybdenum	**0.00942**		0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:54	1
Selenium	**0.000743**	**J B**	0.00200	0.000590	mg/L		06/10/25 09:30	06/11/25 17:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:16	06/10/25 15:46	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**253**		4.00	4.00	mg/L			06/12/25 11:55	1
Total Dissolved Solids (SM 2540C)	**2920**		20.0	20.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**7.4**	**HF**			SU			06/09/25 11:51	1

Client Sample ID: SFL MW-5D

Lab Sample ID: 870-36915-15
Date Collected: 06/03/25 16:20
Matrix: Water
Date Received: 06/06/25 09:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Temperature (SM 4500 H+ B)	20.7	HF			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.06	U G	2.00	2.00	50.0	56.9	pCi/L	06/10/25 12:56	07/01/25 16:47	1
Radium-228	6.40	U	30.2	30.2	50.0	46.9	pCi/L	06/10/25 12:56	07/01/25 16:47	1
Combined Radium 226 + 228	7.47	U	30.3	30.3		56.9	pCi/L	06/10/25 12:56	07/01/25 16:47	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.284	U	0.210	0.212	1.00	0.299	pCi/L	06/10/25 08:02	07/02/25 22:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*06/10/25 08:02*	*07/02/25 22:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.302	U	0.305	0.307	1.00	0.491	pCi/L	06/10/25 08:05	07/02/25 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*
Y Carrier	*84.1*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*

Client Sample ID: SSP MWK-5D

Lab Sample ID: 870-36915-16
Date Collected: 06/03/25 12:50
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.03		0.500	0.250	mg/L			06/09/25 18:09	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/10/25 11:21	1
Sulfate	0.294	J	0.500	0.200	mg/L			06/09/25 18:09	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/10/25 10:00	06/10/25 18:11	1
Potassium	0.209	J	0.500	0.106	mg/L		06/10/25 10:00	06/10/25 18:11	1
Sodium	0.551		0.500	0.152	mg/L		06/10/25 10:00	06/10/25 18:11	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/10/25 10:00	06/10/25 18:11	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/10/25 10:00	06/10/25 18:11	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/10/25 10:00	06/10/25 18:11	1

Client Sample ID: SSP MWK-5D

Date Collected: 06/03/25 12:50
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-16

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/11/25 14:00	06/12/25 13:36	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/11/25 14:00	06/12/25 13:36	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/11/25 14:00	06/12/25 13:36	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		06/11/25 14:00	06/12/25 13:36	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/11/25 14:00	06/12/25 13:36	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 13:36	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/11/25 14:00	06/12/25 13:36	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 14:00	06/12/25 13:36	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/11/25 14:00	06/12/25 13:36	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/11/25 14:00	06/12/25 13:36	1
Iron	<0.0283	U	0.200	0.0283	mg/L		06/11/25 14:00	06/12/25 13:36	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/11/25 14:00	06/12/25 13:36	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 13:36	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 13:36	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/11/25 14:00	06/12/25 13:36	1
Potassium	**0.176**	**J B**	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 13:36	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/11/25 14:00	06/12/25 13:36	1
Sodium	**0.443**	**J B**	0.500	0.152	mg/L		06/11/25 14:00	06/12/25 13:36	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/11/25 14:00	06/12/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00926**	**J**	0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 19:59	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 19:59	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 19:59	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 19:59	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 19:59	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 19:59	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 19:59	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 19:59	1
Iron	**0.0177**	**J**	0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 19:59	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 19:59	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 19:59	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:30	06/11/25 17:39	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 19:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:16	06/10/25 15:48	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/12/25 12:08	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			06/09/25 11:51	1

Client Sample ID: SSP MWK-5D

Lab Sample ID: 870-36915-16
Matrix: Water
Date Collected: 06/03/25 12:50
Date Received: 06/06/25 09:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Temperature (SM 4500 H+ B)	20.1	HF			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-21.9	U G	22.6	22.7	50.0	71.4	pCi/L	06/10/25 12:56	07/01/25 16:48	1
Radium-228	2.60	U	27.2	27.2	50.0	46.2	pCi/L	06/10/25 12:56	07/01/25 16:48	1
Combined Radium 226 + 228	-19.3	U	35.4	35.4		71.4	pCi/L	06/10/25 12:56	07/01/25 16:48	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.106	U	0.139	0.139	1.00	0.231	pCi/L	06/10/25 08:02	07/03/25 07:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*06/10/25 08:02*	*07/03/25 07:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.332	U	0.325	0.326	1.00	0.520	pCi/L	06/10/25 08:05	07/02/25 09:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*
Y Carrier	*81.1*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:56*	*1*

Client Sample ID: AP MW-7S

Lab Sample ID: 870-36915-17
Matrix: Water
Date Collected: 06/02/25 18:20
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	367		2.50	1.25	mg/L			06/10/25 02:15	5
Fluoride	1.15	J	2.50	0.500	mg/L			06/10/25 02:15	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3110		25.0	10.0	mg/L			06/10/25 02:28	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	150		0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:35	1
Potassium	61.7		0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:35	1
Sodium	755		25.0	7.59	mg/L		06/11/25 13:30	06/12/25 11:42	50
Lithium	1.07		0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:35	1
Calcium	550		10.0	5.08	mg/L		06/11/25 13:30	06/12/25 11:42	50
Boron	1.28		0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:35	1

Client Sample ID: AP MW-7S

Date Collected: 06/02/25 18:20
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-17

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.963**		0.200	0.0352	mg/L		06/11/25 14:00	06/12/25 13:16	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/11/25 14:00	06/12/25 13:16	1
Arsenic	**0.0234**		0.0100	0.00650	mg/L		06/11/25 14:00	06/12/25 13:16	1
Barium	**0.0367**		0.0100	0.00125	mg/L		06/11/25 14:00	06/12/25 13:16	1
Beryllium	**0.0411**		0.00400	0.00107	mg/L		06/11/25 14:00	06/12/25 13:16	1
Boron	**1.36**		0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 13:16	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/11/25 14:00	06/12/25 13:16	1
Calcium	**540**		10.0	5.08	mg/L		06/11/25 14:00	06/12/25 13:22	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/11/25 14:00	06/12/25 13:16	1
Cobalt	**0.0322**		0.0100	0.00123	mg/L		06/11/25 14:00	06/12/25 13:16	1
Iron	**9.87**		0.200	0.0283	mg/L		06/11/25 14:00	06/12/25 13:16	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/11/25 14:00	06/12/25 13:16	1
Lithium	**1.12**		0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 13:16	1
Magnesium	**158**		0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 13:16	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/11/25 14:00	06/12/25 13:16	1
Potassium	**66.0**	**B**	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 13:16	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/11/25 14:00	06/12/25 13:16	1
Sodium	**790**	**B**	25.0	7.59	mg/L		06/11/25 14:00	06/12/25 13:22	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/11/25 14:00	06/12/25 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.699**		0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 21:50	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 21:50	1
Arsenic	**0.00612**		0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 21:50	1
Barium	**0.0359**		0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 21:50	1
Beryllium	**0.0431**		0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:40	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 21:50	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 21:50	1
Cobalt	**0.0285**		0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 21:50	1
Iron	**7.89**		0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 21:50	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 21:50	1
Molybdenum	**0.00167**	**J**	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 21:50	1
Selenium	**0.0528**		0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 21:50	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 21:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:49	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**67.3**		4.00	4.00	mg/L			06/12/25 12:11	1
Total Dissolved Solids (SM 2540C)	**105000**		500	500	mg/L			06/06/25 15:43	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			06/06/25 14:08	1

Client Sample ID: AP MW-7S

Lab Sample ID: 870-36915-17
Matrix: Water
Date Collected: 06/02/25 18:20
Date Received: 06/06/25 09:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Temperature (SM 4500 H+ B)	19.2	HF			Celsius			06/06/25 14:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	18.0	U G	38.0	38.1	50.0	64.7	pCi/L	06/10/25 12:56	07/01/25 16:48	1
Radium-228	19.6	U G	37.0	37.0	50.0	58.2	pCi/L	06/10/25 12:56	07/01/25 16:48	1
Combined Radium 226 + 228	37.6	U	53.0	53.1		64.7	pCi/L	06/10/25 12:56	07/01/25 16:48	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.756		0.261	0.270	1.00	0.262	pCi/L	06/10/25 08:02	07/03/25 07:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*06/10/25 08:02*	*07/03/25 07:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.91		0.498	0.528	1.00	0.527	pCi/L	06/10/25 08:05	07/02/25 09:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:59*	*1*
Y Carrier	*81.1*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:59*	*1*

Client Sample ID: AP MW-7D

Lab Sample ID: 870-36915-18
Matrix: Water
Date Collected: 06/02/25 12:55
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	953		2.50	1.25	mg/L			06/10/25 03:08	5
Fluoride	0.555	J	2.50	0.500	mg/L			06/10/25 03:08	5
Sulfate	1080		2.50	1.00	mg/L			06/10/25 03:08	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.987		0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:36	1
Calcium	384		10.0	5.08	mg/L		06/11/25 13:30	06/12/25 11:43	50
Lithium	0.545		0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:36	1
Magnesium	55.3		0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:36	1
Potassium	50.6		0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:36	1
Sodium	675		25.0	7.59	mg/L		06/11/25 13:30	06/12/25 11:43	50

Client Sample ID: AP MW-7D

Date Collected: 06/02/25 12:55
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0265**		0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 22:00	1
Antimony	**0.000882**	**J**	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 22:00	1
Arsenic	**0.0373**		0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 22:00	1
Barium	**0.0656**		0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 22:00	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:43	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 22:00	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 22:00	1
Cobalt	**0.00719**		0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 22:00	1
Iron	**0.650**		0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 22:00	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 22:00	1
Molybdenum	**0.0188**		0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 22:00	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 22:00	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 22:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**264**		4.00	4.00	mg/L			06/12/25 12:16	1
Total Dissolved Solids (SM 2540C)	**86400**		500	500	mg/L			06/06/25 15:43	1
pH (SM 4500 H+ B)	**6.8**	**HF**			SU			06/06/25 14:08	1
Temperature (SM 4500 H+ B)	**18.3**	**HF**			Celsius			06/06/25 14:08	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.88	U G	27.3	27.3	50.0	51.3	pCi/L	06/10/25 12:56	07/01/25 17:51	1
Radium-228	11.1	U	29.4	29.4	50.0	46.9	pCi/L	06/10/25 12:56	07/01/25 17:51	1
Combined Radium 226 + 228	19.0	U	40.1	40.1		51.3	pCi/L	06/10/25 12:56	07/01/25 17:51	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.703**		0.246	0.254	1.00	0.217	pCi/L	06/10/25 08:02	07/03/25 07:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*06/10/25 08:02*	*07/03/25 07:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.50**		0.458	0.479	1.00	0.494	pCi/L	06/10/25 08:05	07/02/25 09:59	1

Client Sample ID: AP MW-7D

Lab Sample ID: 870-36915-18

Date Collected: 06/02/25 12:55
Matrix: Water
Date Received: 06/06/25 09:35

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110	06/10/25 08:05	07/02/25 09:59	1
Y Carrier	81.5		30 - 110	06/10/25 08:05	07/02/25 09:59	1

Client Sample ID: FB-05

Lab Sample ID: 870-36915-19

Date Collected: 06/02/25 18:30
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.396**	**J**	0.500	0.250	mg/L			06/09/25 18:20	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/10/25 11:28	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/09/25 18:20	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:38	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 13:30	06/12/25 11:38	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:38	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:38	1
Potassium	**0.139**	**J**	0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:38	1
Sodium	**0.279**	**J**	0.500	0.152	mg/L		06/11/25 13:30	06/12/25 11:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 22:05	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 22:05	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 22:05	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 22:05	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:45	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 22:05	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 22:05	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 22:05	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 22:05	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 22:05	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 22:05	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 22:05	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 22:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/12/25 12:21	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			06/06/25 15:43	1
pH (SM 4500 H+ B)	**6.2**	**HF**			SU			06/06/25 14:08	1
Temperature (SM 4500 H+ B)	**18.8**	**HF**			Celsius			06/06/25 14:08	1

Client Sample ID: FB-05

Lab Sample ID: 870-36915-19
Date Collected: 06/02/25 18:30
Matrix: Water
Date Received: 06/06/25 09:35

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	26.4	U	23.7	23.9	50.0	28.7	pCi/L	06/10/25 12:56	07/01/25 17:51	1
Radium-228	8.65	U G	34.8	34.8	50.0	57.9	pCi/L	06/10/25 12:56	07/01/25 17:51	1
Combined Radium 226 + 228	35.0	U	42.1	42.2		57.9	pCi/L	06/10/25 12:56	07/01/25 17:51	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.254**		0.177	0.179	1.00	0.240	pCi/L	06/10/25 08:02	07/03/25 07:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*06/10/25 08:02*	*07/03/25 07:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.724**		0.433	0.439	1.00	0.640	pCi/L	06/10/25 08:05	07/02/25 09:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:59*	*1*
Y Carrier	*82.2*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:59*	*1*

Client Sample ID: FB-06

Lab Sample ID: 870-36915-20
Date Collected: 06/04/25 13:45
Matrix: Water
Date Received: 06/06/25 09:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.409**	**J**	0.500	0.250	mg/L			06/09/25 18:30	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/10/25 11:35	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/09/25 18:30	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:40	1
Potassium	**0.124**	**J**	0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:40	1
Sodium	**0.216**	**J**	0.500	0.152	mg/L		06/11/25 13:30	06/12/25 11:40	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:40	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 13:30	06/12/25 11:40	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 22:07	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 22:07	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 22:07	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 22:07	1

Client Sample ID: FB-06

Date Collected: 06/04/25 13:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:48	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 22:07	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 22:07	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 22:07	1
Iron	**0.0216**		0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 22:07	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 22:07	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 22:07	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 22:07	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 22:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			06/12/25 12:24	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			06/06/25 15:01	1
Temperature (SM 4500 H+ B)	**19.0**	**HF**			Celsius			06/06/25 15:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	17.9	U	18.7	18.7	50.0	45.8	pCi/L	06/10/25 12:56	07/01/25 17:51	1
Radium-228	8.69	U G	24.7	24.8	50.0	51.3	pCi/L	06/10/25 12:56	07/01/25 17:51	1
Combined Radium 226 + 228	26.6	U	31.0	31.1		51.3	pCi/L	06/10/25 12:56	07/01/25 17:51	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0481	U	0.107	0.107	1.00	0.199	pCi/L	06/10/25 08:02	07/03/25 07:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*06/10/25 08:02*	*07/03/25 07:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.739**		0.369	0.375	1.00	0.512	pCi/L	06/10/25 08:05	07/02/25 09:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:59*	*1*
Y Carrier	*84.5*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:59*	*1*

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: MNW-15D

Date Collected: 06/05/25 11:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-21

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	826		2.50	1.25	mg/L			06/10/25 03:34	5
Fluoride	0.539	J	2.50	0.500	mg/L			06/10/25 03:34	5
Sulfate	1090		2.50	1.00	mg/L			06/10/25 03:34	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.390		0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:52	1
Calcium	316		10.0	5.08	mg/L		06/11/25 13:30	06/12/25 12:00	50
Lithium	0.329		0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:52	1
Magnesium	46.0		0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:52	1
Potassium	42.4		0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:52	1
Sodium	595		25.0	7.59	mg/L		06/11/25 13:30	06/12/25 12:00	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.103		0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 22:09	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 22:09	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 22:09	1
Barium	0.0390		0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 22:09	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:50	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 22:09	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 22:09	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 22:09	1
Iron	2.53		0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 22:09	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 22:09	1
Molybdenum	0.000310	J	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 22:09	1
Selenium	0.000963	J	0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 22:09	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 22:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	113		4.00	4.00	mg/L			06/12/25 12:48	1
Total Dissolved Solids (SM 2540C)	2740		20.0	20.0	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	6.6	HF			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	19.9	HF			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-23.6	U G	20.8	21.0	50.0	84.5	pCi/L	06/11/25 15:19	07/02/25 10:46	1
Radium-228	9.99	U G	24.7	24.8	50.0	64.3	pCi/L	06/11/25 15:19	07/02/25 10:46	1
Combined Radium 226 + 228	-13.6	U	32.3	32.5		84.5	pCi/L	06/11/25 15:19	07/02/25 10:46	1

Client Sample ID: MNW-15D

Date Collected: 06/05/25 11:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-21

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.597		0.221	0.228	1.00	0.229	pCi/L	06/10/25 08:07	07/02/25 20:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*06/10/25 08:07*	*07/02/25 20:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.36		0.615	0.652	1.00	0.691	pCi/L	06/10/25 08:09	07/01/25 09:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*06/10/25 08:09*	*07/01/25 09:46*	*1*
Y Carrier	*74.4*		*30 - 110*	*06/10/25 08:09*	*07/01/25 09:46*	*1*

Client Sample ID: MNW-11

Date Collected: 06/05/25 11:10
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-22

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2040		2.50	1.25	mg/L			06/10/25 04:01	5
Fluoride	0.505	J	2.50	0.500	mg/L			06/10/25 04:01	5
Sulfate	842		2.50	1.00	mg/L			06/10/25 04:01	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.28		0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:54	1
Calcium	388		10.0	5.08	mg/L		06/11/25 13:30	06/12/25 12:02	50
Lithium	0.629		0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:54	1
Magnesium	49.1		0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:54	1
Potassium	50.8		0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:54	1
Sodium	1370		25.0	7.59	mg/L		06/11/25 13:30	06/12/25 12:02	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.00593	J	0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 22:15	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 22:15	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 22:15	1
Barium	0.0240		0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 22:15	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:53	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 22:15	1
Chromium	0.000798	J	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 22:15	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 22:15	1
Iron	0.0439		0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 22:15	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 22:15	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 22:15	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 22:15	1

Client Sample ID: MNW-11

Date Collected: 06/05/25 11:10
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 22:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**294**		4.00	4.00	mg/L			06/12/25 12:58	1
Total Dissolved Solids (SM 2540C)	**4600**		20.0	20.0	mg/L			06/10/25 18:40	1
pH (SM 4500 H+ B)	**7.1**	**HF**			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	**20.3**	**HF**			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-20.9	U G	22.1	22.2	50.0	77.9	pCi/L	06/11/25 15:19	07/02/25 12:36	1
Radium-228	-11.0	U G	33.0	33.0	50.0	53.5	pCi/L	06/11/25 15:19	07/02/25 12:36	1
Combined Radium 226 + 228	-31.9	U	39.7	39.8		77.9	pCi/L	06/11/25 15:19	07/02/25 12:36	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.383**		0.170	0.173	1.00	0.181	pCi/L	06/10/25 08:07	07/02/25 20:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*06/10/25 08:07*	*07/02/25 20:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.699**		0.393	0.398	1.00	0.564	pCi/L	06/10/25 08:09	07/01/25 09:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*06/10/25 08:09*	*07/01/25 09:46*	*1*
Y Carrier	*73.6*		*30 - 110*	*06/10/25 08:09*	*07/01/25 09:46*	*1*

Client Sample ID: FB-07

Date Collected: 06/05/25 12:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-23

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			06/09/25 19:50	1
Fluoride	**0.236**	**J F1**	0.500	0.100	mg/L			06/09/25 19:50	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/09/25 19:50	1

Client Sample Results

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: FB-07

Date Collected: 06/05/25 12:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-23

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:55	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 13:30	06/12/25 11:55	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:55	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:55	1
Potassium	**0.191**	**J**	0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:55	1
Sodium	**0.442**	**J**	0.500	0.152	mg/L		06/11/25 13:30	06/12/25 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 22:20	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 22:20	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 22:20	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 22:20	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:56	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 22:20	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 22:20	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 22:20	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 22:20	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 22:20	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 22:20	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 22:20	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 22:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**8.54**		4.00	4.00	mg/L			06/12/25 13:08	1
Total Dissolved Solids (SM 2540C)	**10.5**		2.50	2.50	mg/L			06/09/25 17:06	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			06/09/25 11:51	1
Temperature (SM 4500 H+ B)	**20.7**	**HF**			Celsius			06/09/25 11:51	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	12.3	U G	9.91	9.98	50.0	67.4	pCi/L	06/11/25 15:19	07/02/25 12:38	1
Radium-228	-4.78	U G	32.4	32.4	50.0	55.0	pCi/L	06/11/25 15:19	07/02/25 12:38	1
Combined Radium 226 + 228	7.48	U	33.9	33.9		67.4	pCi/L	06/11/25 15:19	07/02/25 12:38	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00957	U	0.100	0.100	1.00	0.207	pCi/L	06/10/25 08:07	07/02/25 20:18	1

Client Sample ID: FB-07

Date Collected: 06/05/25 12:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-23

Matrix: Water

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*06/10/25 08:07*	*07/02/25 20:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.609	U	0.429	0.433	1.00	0.650	pCi/L	06/10/25 08:09	07/01/25 09:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*06/10/25 08:09*	*07/01/25 09:46*	*1*
Y Carrier	*76.3*		*30 - 110*	*06/10/25 08:09*	*07/01/25 09:46*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)							
Lab Sample ID	Client Sample ID	Ba (30-110)							
870-36915-1	SSP MW-3D	90.3							
870-36915-2	SFL MW-2D	81.1							
870-36915-3	AP PZ-4S	88.6							
870-36915-4	MNWK-17	92.0							
870-36915-5	SSP MW-2D	89.1							
870-36915-6	SSP MW-6S	86.8							
870-36915-7	SSP MW-5D	60.4							
870-36915-8	MNW-17	77.1							
870-36915-9	AP MWT-3D	87.8							
870-36915-10	AP MW-3D	81.3							
870-36915-11	AP MW-5D	91.0							
870-36915-12	SFL MW-3D	84.8							
870-36915-13	SSP MW-6D	89.6							
870-36915-14	SFL MWT-5D	90.3							
870-36915-15	SFL MW-5D	89.8							
870-36915-16	SSP MWK-5D	90.8							
870-36915-17	AP MW-7S	92.0							
870-36915-18	AP MW-7D	85.6							
870-36915-19	FB-05	85.6							
870-36915-20	FB-06	94.0							
870-36915-21	MNW-15D	85.8							
870-36915-22	MNW-11	95.5							
870-36915-23	FB-07	84.6							
LCS 160-721564/2-A	Lab Control Sample	83.1							
LCS 160-721566/2-A	Lab Control Sample	82.1							
LCSD 160-721564/3-A	Lab Control Sample Dup	85.1							
MB 160-721564/1-A	Method Blank	85.3							
MB 160-721566/1-A	Method Blank	91.8							

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)							
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)						
870-36915-1	SSP MW-3D	90.3	80.0						
870-36915-2	SFL MW-2D	81.1	78.1						
870-36915-3	AP PZ-4S	88.6	78.9						
870-36915-4	MNWK-17	92.0	81.9						
870-36915-5	SSP MW-2D	89.1	83.0						
870-36915-6	SSP MW-6S	86.8	74.0						
870-36915-7	SSP MW-5D	60.4	72.9						
870-36915-8	MNW-17	77.1	80.7						
870-36915-9	AP MWT-3D	87.8	84.9						
870-36915-10	AP MW-3D	81.3	79.3						
870-36915-11	AP MW-5D	91.0	79.6						

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Method: 904.0 - Radium-228 (GFPC) (Continued)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-36915-12	SFL MW-3D	84.8	84.1
870-36915-13	SSP MW-6D	89.6	77.8
870-36915-14	SFL MWT-5D	90.3	80.4
870-36915-15	SFL MW-5D	89.8	84.1
870-36915-16	SSP MWK-5D	90.8	81.1
870-36915-17	AP MW-7S	92.0	81.1
870-36915-18	AP MW-7D	85.6	81.5
870-36915-19	FB-05	85.6	82.2
870-36915-20	FB-06	94.0	84.5
870-36915-21	MNW-15D	85.8	74.4
870-36915-22	MNW-11	95.5	73.6
870-36915-23	FB-07	84.6	76.3
LCS 160-721565/2-A	Lab Control Sample	83.1	79.6
LCS 160-721567/2-A	Lab Control Sample	82.1	80.4
LCSD 160-721565/3-A	Lab Control Sample Dup	85.1	75.9
MB 160-721565/1-A	Method Blank	85.3	82.2
MB 160-721567/1-A	Method Blank	91.8	82.6

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-241123/3
Matrix: Water
Analysis Batch: 241123

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			06/09/25 11:06	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/09/25 11:06	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/09/25 11:06	1

Lab Sample ID: MB 860-241123/47
Matrix: Water
Analysis Batch: 241123

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			06/09/25 19:20	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/09/25 19:20	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/09/25 19:20	1

Lab Sample ID: LCS 860-241123/4
Matrix: Water
Analysis Batch: 241123

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.876		mg/L		99	90 - 110
Fluoride	10.0	10.91		mg/L		109	90 - 110
Sulfate	10.0	10.41		mg/L		104	90 - 110

Lab Sample ID: LCS 860-241123/48
Matrix: Water
Analysis Batch: 241123

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.895		mg/L		99	90 - 110
Fluoride	10.0	11.00		mg/L		110	90 - 110
Sulfate	10.0	10.39		mg/L		104	90 - 110

Lab Sample ID: LCSD 860-241123/49
Matrix: Water
Analysis Batch: 241123

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
Chloride	10.0	9.926		mg/L		99	90 - 110	0	20
Fluoride	10.0	11.05		mg/L		110	90 - 110	0	20
Sulfate	10.0	10.38		mg/L		104	90 - 110	0	20

Lab Sample ID: LCSD 860-241123/5
Matrix: Water
Analysis Batch: 241123

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
Chloride	10.0	10.16		mg/L		102	90 - 110	3	20
Sulfate	10.0	10.52		mg/L		105	90 - 110	1	20

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-36915-23 MS
Matrix: Water
Analysis Batch: 241123

Client Sample ID: FB-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.250	U	10.0	10.12		mg/L		101	90 - 110
Fluoride	0.236	J F1	10.0	11.24		mg/L		110	90 - 110
Sulfate	<0.200	U	10.0	10.54		mg/L		105	90 - 110

Lab Sample ID: 870-36915-23 MSD
Matrix: Water
Analysis Batch: 241123

Client Sample ID: FB-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.250	U	10.0	10.13		mg/L		101	90 - 110	0	15
Fluoride	0.236	J F1	10.0	11.30	F1	mg/L		111	90 - 110	1	15
Sulfate	<0.200	U	10.0	10.54		mg/L		105	90 - 110	0	15

Lab Sample ID: MB 860-241176/3
Matrix: Water
Analysis Batch: 241176

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			06/09/25 14:22	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/09/25 14:22	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/09/25 14:22	1

Lab Sample ID: LCS 860-241176/4
Matrix: Water
Analysis Batch: 241176

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.06		mg/L		101	90 - 110
Fluoride	10.0	9.977		mg/L		100	90 - 110
Sulfate	10.0	10.86		mg/L		109	90 - 110

Lab Sample ID: LCSD 860-241176/5
Matrix: Water
Analysis Batch: 241176

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
Chloride	10.0	9.916		mg/L		99	90 - 110	1	20
Fluoride	10.0	9.780		mg/L		98	90 - 110	2	20
Sulfate	10.0	10.62		mg/L		106	90 - 110	2	20

Lab Sample ID: LLCS 860-241176/7
Matrix: Water
Analysis Batch: 241176

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6871		mg/L		137	50 - 150
Fluoride	0.500	0.5660		mg/L		113	50 - 150
Sulfate	0.500	0.6194		mg/L		124	50 - 150

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-241390/3
Matrix: Water
Analysis Batch: 241390

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			06/10/25 10:29	1
Fluoride	<0.100	U	0.500	0.100	mg/L			06/10/25 10:29	1
Sulfate	<0.200	U	0.500	0.200	mg/L			06/10/25 10:29	1

Lab Sample ID: LCS 860-241390/4
Matrix: Water
Analysis Batch: 241390

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.877		mg/L		99	90 - 110
Fluoride	10.0	10.57		mg/L		106	90 - 110
Sulfate	10.0	9.875		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-241390/5
Matrix: Water
Analysis Batch: 241390

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
Chloride	10.0	9.855		mg/L		99	90 - 110	0	20
Fluoride	10.0	10.52		mg/L		105	90 - 110	0	20
Sulfate	10.0	9.866		mg/L		99	90 - 110	0	20

Lab Sample ID: LLCS 860-241390/7
Matrix: Water
Analysis Batch: 241390

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.4388	J	mg/L		88	50 - 150
Fluoride	0.500	0.4715	J	mg/L		94	50 - 150
Sulfate	0.500	0.4020	J	mg/L		80	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-241389/1-A
Matrix: Water
Analysis Batch: 241650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/10/25 10:00	06/10/25 17:23	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/10/25 10:00	06/10/25 17:23	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/10/25 10:00	06/10/25 17:23	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		06/10/25 10:00	06/10/25 17:23	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/10/25 10:00	06/10/25 17:23	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/10/25 10:00	06/10/25 17:23	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/10/25 10:00	06/10/25 17:23	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/10/25 10:00	06/10/25 17:23	1
Iron	<0.0283	U	0.200	0.0283	mg/L		06/10/25 10:00	06/10/25 17:23	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/10/25 10:00	06/10/25 17:23	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/10/25 10:00	06/10/25 17:23	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-241389/1-A
Matrix: Water
Analysis Batch: 241650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/10/25 10:00	06/10/25 17:23	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/10/25 10:00	06/10/25 17:23	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/10/25 10:00	06/10/25 17:23	1
Potassium	<0.106	U	0.500	0.106	mg/L		06/10/25 10:00	06/10/25 17:23	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/10/25 10:00	06/10/25 17:23	1
Sodium	<0.152	U	0.500	0.152	mg/L		06/10/25 10:00	06/10/25 17:23	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/10/25 10:00	06/10/25 17:23	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/10/25 10:00	06/10/25 17:23	1

Lab Sample ID: LCS 860-241389/2-A
Matrix: Water
Analysis Batch: 241650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.850		mg/L		97	80 - 120
Antimony	1.00	0.9530		mg/L		95	80 - 120
Arsenic	1.00	0.9730		mg/L		97	80 - 120
Barium	1.00	0.9570		mg/L		96	80 - 120
Beryllium	1.00	0.9850		mg/L		99	80 - 120
Cadmium	1.00	0.9580		mg/L		96	80 - 120
Chromium	1.00	0.9610		mg/L		96	80 - 120
Cobalt	1.00	0.9450		mg/L		95	80 - 120
Iron	5.00	5.070		mg/L		101	80 - 120
Lead	1.00	0.9850		mg/L		99	80 - 120
Lithium	1.00	0.9500		mg/L		95	80 - 120
Magnesium	25.0	23.70		mg/L		95	80 - 120
Calcium	25.0	24.10		mg/L		96	80 - 120
Molybdenum	1.00	0.9600		mg/L		96	80 - 120
Potassium	10.0	9.830		mg/L		98	80 - 120
Selenium	1.00	1.030		mg/L		103	80 - 120
Sodium	25.0	23.40		mg/L		94	80 - 120
Thallium	1.00	0.9960		mg/L		100	80 - 120
Boron	1.00	0.9670		mg/L		97	80 - 120

Lab Sample ID: LCSD 860-241389/3-A
Matrix: Water
Analysis Batch: 241650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241389

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.840		mg/L		97	80 - 120	0	20
Antimony	1.00	0.9630		mg/L		96	80 - 120	1	20
Arsenic	1.00	0.9830		mg/L		98	80 - 120	1	20
Barium	1.00	0.9550		mg/L		96	80 - 120	0	20
Beryllium	1.00	0.9860		mg/L		99	80 - 120	0	20
Cadmium	1.00	0.9570		mg/L		96	80 - 120	0	20
Chromium	1.00	0.9600		mg/L		96	80 - 120	0	20
Cobalt	1.00	0.9440		mg/L		94	80 - 120	0	20
Iron	5.00	5.070		mg/L		101	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-241389/3-A
Matrix: Water
Analysis Batch: 241650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241389

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead			1.00	0.9870		mg/L		99	80 - 120	0	20
Lithium			1.00	0.9460		mg/L		95	80 - 120	0	20
Magnesium			25.0	23.70		mg/L		95	80 - 120	0	20
Calcium			25.0	24.10		mg/L		96	80 - 120	0	20
Molybdenum			1.00	0.9690		mg/L		97	80 - 120	1	20
Potassium			10.0	9.800		mg/L		98	80 - 120	0	20
Selenium			1.00	1.040		mg/L		104	80 - 120	1	20
Sodium			25.0	23.30		mg/L		93	80 - 120	0	20
Thallium			1.00	0.9910		mg/L		99	80 - 120	1	20
Boron			1.00	0.9680		mg/L		97	80 - 120	0	20

Lab Sample ID: MB 860-241655/1-A
Matrix: Water
Analysis Batch: 242079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 09:00	06/11/25 14:35	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 09:00	06/11/25 14:35	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 09:00	06/11/25 14:35	1
Potassium	<0.106	U	0.500	0.106	mg/L		06/11/25 09:00	06/11/25 14:35	1
Sodium	<0.152	U	0.500	0.152	mg/L		06/11/25 09:00	06/11/25 14:35	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 09:00	06/11/25 14:35	1

Lab Sample ID: LCS 860-241655/2-A
Matrix: Water
Analysis Batch: 242079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241655

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium			1.00	1.000		mg/L		100	80 - 120
Magnesium			25.0	24.80		mg/L		99	80 - 120
Calcium			25.0	25.20		mg/L		101	80 - 120
Potassium			10.0	10.10		mg/L		101	80 - 120
Sodium			25.0	25.50		mg/L		102	80 - 120
Boron			1.00	1.030		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-241655/3-A
Matrix: Water
Analysis Batch: 242079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241655

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium			1.00	1.010		mg/L		101	80 - 120	1	20
Magnesium			25.0	24.90		mg/L		100	80 - 120	0	20
Calcium			25.0	25.20		mg/L		101	80 - 120	0	20
Potassium			10.0	10.10		mg/L		101	80 - 120	0	20
Sodium			25.0	25.50		mg/L		102	80 - 120	0	20
Boron			1.00	1.030		mg/L		103	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LB 860-241361/1-B
Matrix: Water
Analysis Batch: 242079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241696

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0868	U	0.200	0.0868	mg/L		06/11/25 09:30	06/11/25 17:40	1
Magnesium	<0.222	U	1.00	0.222	mg/L		06/11/25 09:30	06/11/25 17:40	1
Calcium	<0.508	U	1.00	0.508	mg/L		06/11/25 09:30	06/11/25 17:40	1
Potassium	<0.530	U	2.50	0.530	mg/L		06/11/25 09:30	06/11/25 17:40	1
Sodium	<0.759	U	2.50	0.759	mg/L		06/11/25 09:30	06/11/25 17:40	1
Boron	<0.0809	U	0.250	0.0809	mg/L		06/11/25 09:30	06/11/25 17:40	1

Lab Sample ID: MB 860-241696/1-A
Matrix: Water
Analysis Batch: 242079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 09:30	06/11/25 17:35	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 09:30	06/11/25 17:35	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 09:30	06/11/25 17:35	1
Potassium	<0.106	U	0.500	0.106	mg/L		06/11/25 09:30	06/11/25 17:35	1
Sodium	<0.152	U	0.500	0.152	mg/L		06/11/25 09:30	06/11/25 17:35	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 09:30	06/11/25 17:35	1

Lab Sample ID: LCS 860-241696/2-A
Matrix: Water
Analysis Batch: 242079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	1.00	1.000		mg/L		100	80 - 120
Magnesium	25.0	24.60		mg/L		98	80 - 120
Calcium	25.0	25.10		mg/L		100	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Sodium	25.0	25.50		mg/L		102	80 - 120
Boron	1.00	1.020		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-241696/3-A
Matrix: Water
Analysis Batch: 242079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	1.00	1.000		mg/L		100	80 - 120	0	20
Magnesium	25.0	24.60		mg/L		98	80 - 120	0	20
Calcium	25.0	25.20		mg/L		101	80 - 120	0	20
Potassium	10.0	10.10		mg/L		101	80 - 120	0	20
Sodium	25.0	25.40		mg/L		102	80 - 120	0	20
Boron	1.00	1.020		mg/L		102	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-241757/1-A
Matrix: Water
Analysis Batch: 242111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241757

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 13:30	06/12/25 11:12	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 13:30	06/12/25 11:12	1
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 13:30	06/12/25 11:12	1
Potassium	<0.106	U	0.500	0.106	mg/L		06/11/25 13:30	06/12/25 11:12	1
Sodium	<0.152	U	0.500	0.152	mg/L		06/11/25 13:30	06/12/25 11:12	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 13:30	06/12/25 11:12	1

Lab Sample ID: LCS 860-241757/2-A
Matrix: Water
Analysis Batch: 242111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	1.00	0.9360		mg/L		94	80 - 120
Magnesium	25.0	23.80		mg/L		95	80 - 120
Calcium	25.0	24.70		mg/L		99	80 - 120
Potassium	10.0	10.20		mg/L		102	80 - 120
Sodium	25.0	23.90		mg/L		96	80 - 120
Boron	1.00	0.9650		mg/L		97	80 - 120

Lab Sample ID: LCSD 860-241757/3-A
Matrix: Water
Analysis Batch: 242111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241757

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	1.00	0.9410		mg/L		94	80 - 120	1	20
Magnesium	25.0	23.70		mg/L		95	80 - 120	0	20
Calcium	25.0	24.80		mg/L		99	80 - 120	0	20
Potassium	10.0	10.20		mg/L		102	80 - 120	0	20
Sodium	25.0	23.90		mg/L		96	80 - 120	0	20
Boron	1.00	0.9600		mg/L		96	80 - 120	1	20

Lab Sample ID: MB 860-241769/1-A
Matrix: Water
Analysis Batch: 242111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		06/11/25 14:00	06/12/25 12:35	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		06/11/25 14:00	06/12/25 12:35	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		06/11/25 14:00	06/12/25 12:35	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		06/11/25 14:00	06/12/25 12:35	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		06/11/25 14:00	06/12/25 12:35	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		06/11/25 14:00	06/12/25 12:35	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		06/11/25 14:00	06/12/25 12:35	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		06/11/25 14:00	06/12/25 12:35	1
Iron	<0.0283	U	0.200	0.0283	mg/L		06/11/25 14:00	06/12/25 12:35	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		06/11/25 14:00	06/12/25 12:35	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		06/11/25 14:00	06/12/25 12:35	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		06/11/25 14:00	06/12/25 12:35	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-241769/1-A
Matrix: Water
Analysis Batch: 242111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.102	U	0.200	0.102	mg/L		06/11/25 14:00	06/12/25 12:35	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		06/11/25 14:00	06/12/25 12:35	1
Potassium	0.1290	J	0.500	0.106	mg/L		06/11/25 14:00	06/12/25 12:35	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		06/11/25 14:00	06/12/25 12:35	1
Sodium	0.2890	J	0.500	0.152	mg/L		06/11/25 14:00	06/12/25 12:35	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		06/11/25 14:00	06/12/25 12:35	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		06/11/25 14:00	06/12/25 12:35	1

Lab Sample ID: LCS 860-241769/2-A
Matrix: Water
Analysis Batch: 242111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.800		mg/L		96	80 - 120
Antimony	1.00	0.9530		mg/L		95	80 - 120
Arsenic	1.00	0.9610		mg/L		96	80 - 120
Barium	1.00	0.9550		mg/L		96	80 - 120
Beryllium	1.00	0.9660		mg/L		97	80 - 120
Cadmium	1.00	0.9380		mg/L		94	80 - 120
Chromium	1.00	0.9350		mg/L		94	80 - 120
Cobalt	1.00	0.9220		mg/L		92	80 - 120
Iron	5.00	5.020		mg/L		100	80 - 120
Lead	1.00	0.9370		mg/L		94	80 - 120
Lithium	1.00	0.9380		mg/L		94	80 - 120
Magnesium	25.0	23.60		mg/L		94	80 - 120
Calcium	25.0	24.00		mg/L		96	80 - 120
Molybdenum	1.00	0.9370		mg/L		94	80 - 120
Potassium	10.0	10.30		mg/L		103	80 - 120
Selenium	1.00	1.020		mg/L		102	80 - 120
Sodium	25.0	24.20		mg/L		97	80 - 120
Thallium	1.00	0.9560		mg/L		96	80 - 120
Boron	1.00	0.9590		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-241769/3-A
Matrix: Water
Analysis Batch: 242111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.810		mg/L		96	80 - 120	0	20
Antimony	1.00	0.9600		mg/L		96	80 - 120	1	20
Arsenic	1.00	0.9680		mg/L		97	80 - 120	1	20
Barium	1.00	0.9570		mg/L		96	80 - 120	0	20
Beryllium	1.00	0.9700		mg/L		97	80 - 120	0	20
Cadmium	1.00	0.9420		mg/L		94	80 - 120	0	20
Chromium	1.00	0.9400		mg/L		94	80 - 120	1	20
Cobalt	1.00	0.9270		mg/L		93	80 - 120	1	20
Iron	5.00	5.040		mg/L		101	80 - 120	0	20
Lead	1.00	0.9410		mg/L		94	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-241769/3-A
Matrix: Water
Analysis Batch: 242111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	1.00	0.9420		mg/L		94	80 - 120	0	20
Magnesium	25.0	23.70		mg/L		95	80 - 120	0	20
Calcium	25.0	24.10		mg/L		96	80 - 120	0	20
Molybdenum	1.00	0.9480		mg/L		95	80 - 120	1	20
Potassium	10.0	10.30		mg/L		103	80 - 120	0	20
Selenium	1.00	1.030		mg/L		103	80 - 120	1	20
Sodium	25.0	24.20		mg/L		97	80 - 120	0	20
Thallium	1.00	0.9590		mg/L		96	80 - 120	0	20
Boron	1.00	0.9610		mg/L		96	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-240698/1-B
Matrix: Water
Analysis Batch: 241747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		06/10/25 09:00	06/10/25 21:04	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:00	06/10/25 21:04	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:00	06/10/25 21:04	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		06/10/25 09:00	06/10/25 21:04	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:00	06/10/25 21:04	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:00	06/10/25 21:04	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:00	06/10/25 21:04	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		06/10/25 09:00	06/10/25 21:04	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:00	06/10/25 21:04	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:00	06/10/25 21:04	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:00	06/10/25 21:04	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:00	06/10/25 21:04	1

Lab Sample ID: MB 860-240698/1-B
Matrix: Water
Analysis Batch: 242069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:00	06/11/25 16:10	1

Lab Sample ID: LCS 860-240698/2-B
Matrix: Water
Analysis Batch: 241747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4907		mg/L		98	80 - 120
Antimony	0.100	0.09912		mg/L		99	80 - 120
Arsenic	0.100	0.09998		mg/L		100	80 - 120
Barium	0.100	0.09968		mg/L		100	80 - 120
Cadmium	0.100	0.09980		mg/L		100	80 - 120
Chromium	0.100	0.1006		mg/L		101	80 - 120
Cobalt	0.100	0.1000		mg/L		100	80 - 120

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

Lab Sample ID: LCS 860-240698/2-B
Matrix: Water
Analysis Batch: 241747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.500	0.4916		mg/L		98	80 - 120
Lead	0.100	0.09950		mg/L		100	80 - 120
Molybdenum	0.100	0.1004		mg/L		100	80 - 120
Selenium	0.100	0.09707		mg/L		97	80 - 120
Thallium	0.100	0.1001		mg/L		100	80 - 120

Lab Sample ID: LCS 860-240698/2-B
Matrix: Water
Analysis Batch: 242069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.1039		mg/L		104	80 - 120

Lab Sample ID: LCSD 860-240698/3-B
Matrix: Water
Analysis Batch: 241747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4905		mg/L		98	80 - 120	0	20
Antimony	0.100	0.1000		mg/L		100	80 - 120	1	20
Arsenic	0.100	0.1001		mg/L		100	80 - 120	0	20
Barium	0.100	0.09971		mg/L		100	80 - 120	0	20
Cadmium	0.100	0.09968		mg/L		100	80 - 120	0	20
Chromium	0.100	0.09993		mg/L		100	80 - 120	1	20
Cobalt	0.100	0.09998		mg/L		100	80 - 120	0	20
Iron	0.500	0.4908		mg/L		98	80 - 120	0	20
Lead	0.100	0.09809		mg/L		98	80 - 120	1	20
Molybdenum	0.100	0.09975		mg/L		100	80 - 120	1	20
Selenium	0.100	0.09933		mg/L		99	80 - 120	2	20
Thallium	0.100	0.09809		mg/L		98	80 - 120	2	20

Lab Sample ID: LCSD 860-240698/3-B
Matrix: Water
Analysis Batch: 242069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	0.100	0.09718		mg/L		97	80 - 120	7	20

Lab Sample ID: MB 860-241365/1-A
Matrix: Water
Analysis Batch: 241746

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		06/10/25 09:30	06/10/25 18:06	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		06/10/25 09:30	06/10/25 18:06	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		06/10/25 09:30	06/10/25 18:06	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		06/10/25 09:30	06/10/25 18:06	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		06/10/25 09:30	06/10/25 18:06	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		06/10/25 09:30	06/10/25 18:06	1

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

Lab Sample ID: MB 860-241365/1-A
Matrix: Water
Analysis Batch: 241746

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.000560	U	0.00400	0.000560	mg/L		06/10/25 09:30	06/10/25 18:06	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		06/10/25 09:30	06/10/25 18:06	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		06/10/25 09:30	06/10/25 18:06	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		06/10/25 09:30	06/10/25 18:06	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		06/10/25 09:30	06/10/25 18:06	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		06/10/25 09:30	06/10/25 18:06	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		06/10/25 09:30	06/10/25 18:06	1

Lab Sample ID: LCS 860-241365/2-A
Matrix: Water
Analysis Batch: 241746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4789		mg/L		96	80 - 120
Antimony	0.100	0.09740		mg/L		97	80 - 120
Arsenic	0.100	0.09868		mg/L		99	80 - 120
Barium	0.100	0.09695		mg/L		97	80 - 120
Beryllium	0.100	0.09097		mg/L		91	80 - 120
Cadmium	0.100	0.09757		mg/L		98	80 - 120
Calcium	2.50	2.628		mg/L		105	80 - 120
Chromium	0.100	0.09909		mg/L		99	80 - 120
Cobalt	0.100	0.09991		mg/L		100	80 - 120
Iron	0.500	0.4794		mg/L		96	80 - 120
Lead	0.100	0.09861		mg/L		99	80 - 120
Molybdenum	0.100	0.09941		mg/L		99	80 - 120
Selenium	0.100	0.09405		mg/L		94	80 - 120
Thallium	0.100	0.09950		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-241365/3-A
Matrix: Water
Analysis Batch: 241746

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4673		mg/L		93	80 - 120	2	20
Antimony	0.100	0.09779		mg/L		98	80 - 120	0	20
Arsenic	0.100	0.09775		mg/L		98	80 - 120	1	20
Barium	0.100	0.09786		mg/L		98	80 - 120	1	20
Beryllium	0.100	0.09015		mg/L		90	80 - 120	1	20
Cadmium	0.100	0.09712		mg/L		97	80 - 120	0	20
Calcium	2.50	2.656		mg/L		106	80 - 120	1	20
Chromium	0.100	0.09904		mg/L		99	80 - 120	0	20
Cobalt	0.100	0.09939		mg/L		99	80 - 120	1	20
Iron	0.500	0.4780		mg/L		96	80 - 120	0	20
Lead	0.100	0.09931		mg/L		99	80 - 120	1	20
Molybdenum	0.100	0.09962		mg/L		100	80 - 120	0	20
Selenium	0.100	0.09819		mg/L		98	80 - 120	4	20
Thallium	0.100	0.09954		mg/L		100	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-241288/10-A
Matrix: Water
Analysis Batch: 241525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:13	06/10/25 14:26	1

Lab Sample ID: LCS 860-241288/11-A
Matrix: Water
Analysis Batch: 241525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001872		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-241288/12-A
Matrix: Water
Analysis Batch: 241525

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001788		mg/L		89	80 - 120	5	20

Lab Sample ID: 870-36915-11 MS
Matrix: Water
Analysis Batch: 241525

Client Sample ID: AP MW-5D
Prep Type: Total/NA
Prep Batch: 241288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.0000706	U	0.00200	0.001766		mg/L		88	75 - 125

Lab Sample ID: 870-36915-11 MSD
Matrix: Water
Analysis Batch: 241525

Client Sample ID: AP MW-5D
Prep Type: Total/NA
Prep Batch: 241288

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U	0.00200	0.001830		mg/L		91	75 - 125	4	20

Lab Sample ID: LB 860-241044/1-D
Matrix: Water
Analysis Batch: 241525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241289

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:16	06/10/25 15:15	1

Lab Sample ID: MB 860-241289/1-A
Matrix: Water
Analysis Batch: 241525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/10/25 04:16	06/10/25 15:11	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 860-241289/2-A
Matrix: Water
Analysis Batch: 241525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241289

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001930		mg/L		96	80 - 120		

Lab Sample ID: LCSD 860-241289/3-A
Matrix: Water
Analysis Batch: 241525

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241289

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.002032		mg/L		102	80 - 120	5	20

Lab Sample ID: MB 860-241610/1-A
Matrix: Water
Analysis Batch: 242168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		06/11/25 04:18	06/11/25 21:22	1

Lab Sample ID: LCS 860-241610/2-A
Matrix: Water
Analysis Batch: 242168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241610

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.002060		mg/L		103	80 - 120		

Lab Sample ID: LCSD 860-241610/3-A
Matrix: Water
Analysis Batch: 242168

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241610

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.002069		mg/L		103	80 - 120	0	20

Lab Sample ID: 870-36915-7 MS
Matrix: Water
Analysis Batch: 242168

Client Sample ID: SSP MW-5D
Prep Type: Dissolved
Prep Batch: 241610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.0000706	U	0.00200	0.001954		mg/L		98	75 - 125		

Lab Sample ID: 870-36915-7 MSD
Matrix: Water
Analysis Batch: 242168

Client Sample ID: SSP MW-5D
Prep Type: Dissolved
Prep Batch: 241610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U	0.00200	0.001991		mg/L		100	75 - 125	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-242186/3
Matrix: Water
Analysis Batch: 242186

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/12/25 10:25	1

Lab Sample ID: MB 860-242186/34
Matrix: Water
Analysis Batch: 242186

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/12/25 12:36	1

Lab Sample ID: LCS 860-242186/35
Matrix: Water
Analysis Batch: 242186

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	244.5		mg/L		98	85 - 115		

Lab Sample ID: LCS 860-242186/4
Matrix: Water
Analysis Batch: 242186

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	242.0		mg/L		97	85 - 115		

Lab Sample ID: LCSD 860-242186/36
Matrix: Water
Analysis Batch: 242186

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
Alkalinity			250	242.5		mg/L		97	85 - 115	1	20

Lab Sample ID: LCSD 860-242186/5
Matrix: Water
Analysis Batch: 242186

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
Alkalinity			250	239.8		mg/L		96	85 - 115	1	20

Lab Sample ID: 870-36915-1 DU
Matrix: Water
Analysis Batch: 242186

Client Sample ID: SSP MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	23.5			23.88		mg/L				1	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 870-36915-2 DU
Matrix: Water
Analysis Batch: 242186

Client Sample ID: SFL MW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	37.2			36.77		mg/L				1	20

Lab Sample ID: 870-36915-21 DU
Matrix: Water
Analysis Batch: 242186

Client Sample ID: MNW-15D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	113			110.9		mg/L				2	20

Lab Sample ID: 870-36915-22 DU
Matrix: Water
Analysis Batch: 242186

Client Sample ID: MNW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	294			299.2		mg/L				2	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-29170/1
Matrix: Water
Analysis Batch: 29170

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			06/06/25 15:43	1

Lab Sample ID: LCS 870-29170/2
Matrix: Water
Analysis Batch: 29170

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1032		mg/L		103	80 - 120		

Lab Sample ID: LCSD 870-29170/3
Matrix: Water
Analysis Batch: 29170

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
Total Dissolved Solids			1000	1003		mg/L		100	80 - 120	3	10

Lab Sample ID: 870-36915-19 DU
Matrix: Water
Analysis Batch: 29170

Client Sample ID: FB-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2.50			2.500		mg/L				0	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 870-29216/1
Matrix: Water
Analysis Batch: 29216

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			06/09/25 17:06	1

Lab Sample ID: LCS 870-29216/2
Matrix: Water
Analysis Batch: 29216

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1035		mg/L		104	80 - 120

Lab Sample ID: LCSD 870-29216/3
Matrix: Water
Analysis Batch: 29216

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
Total Dissolved Solids	1000	993.0		mg/L		99	80 - 120	4	10

Lab Sample ID: 870-36915-8 DU
Matrix: Water
Analysis Batch: 29216

Client Sample ID: MNW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	102		106.5		mg/L		4	10

Lab Sample ID: 870-36915-23 DU
Matrix: Water
Analysis Batch: 29216

Client Sample ID: FB-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	10.5		9.500		mg/L		10	10

Lab Sample ID: MB 870-29252/1
Matrix: Water
Analysis Batch: 29252

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			06/10/25 18:40	1

Lab Sample ID: LCS 870-29252/2
Matrix: Water
Analysis Batch: 29252

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	970.0		mg/L		97	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 870-29252/3
Matrix: Water
Analysis Batch: 29252

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
Total Dissolved Solids			1000	928.0		mg/L		93	80 - 120	4	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-36915-11 DU
Matrix: Water
Analysis Batch: 29167

Client Sample ID: AP MW-5D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	4.0	HF		4.0		SU				0.7	20
Temperature	18.4	HF		18.5		Celsius				0.5	20

Lab Sample ID: 870-36915-13 DU
Matrix: Water
Analysis Batch: 29195

Client Sample ID: SSP MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	6.5	HF		6.6		SU				0.2	20
Temperature	20.4	HF		20.6		Celsius				1	20

Lab Sample ID: 870-36915-23 DU
Matrix: Water
Analysis Batch: 29195

Client Sample ID: FB-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	6.5	HF		6.4		SU				0.6	20
Temperature	20.7	HF		20.8		Celsius				0.5	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-721729/1-A
Matrix: Water
Analysis Batch: 725296

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721729

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	56.78		30.5	31.0	50.0	36.3	pCi/L	06/10/25 12:56	07/01/25 15:08	1
Radium-228	30.29	U G	36.7	36.8	50.0	56.0	pCi/L	06/10/25 12:56	07/01/25 15:08	1
Combined Radium 226 + 228	87.07		47.7	48.1		56.0	pCi/L	06/10/25 12:56	07/01/25 15:08	1

Lab Sample ID: LCS 160-721729/2-A
Matrix: Water
Analysis Batch: 725301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721729

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Americium-241			142000	139100		15200		1020	pCi/L	98	75 - 125		
Cesium-137			37900	38380		3820		174	pCi/L	101	75 - 125		

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: LCS 160-721729/2-A
Matrix: Water
Analysis Batch: 725301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721729

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Cobalt-60			53000	51290		5000		105	pCi/L	97	75 - 125		

Lab Sample ID: 870-36915-1 DU
Matrix: Water
Analysis Batch: 725302

Client Sample ID: SSP MW-3D
Prep Type: Total/NA
Prep Batch: 721729

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	16.9	U G		-11.04	U G	22.3	50.0	74.8	pCi/L			0.64	1
Radium-228	8.69	U G		16.81	U	30.0	50.0	48.5	pCi/L			0.15	1
Combined Radium 226 + 228	25.6	U		5.766	U	37.4		74.8	pCi/L			0.28	1

Lab Sample ID: MB 160-721951/1-A
Matrix: Water
Analysis Batch: 725535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721951

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	44.43		20.4	20.8	50.0	26.4	pCi/L	06/11/25 15:19	07/02/25 10:45	1
Radium-228	15.44	U	30.1	30.2	50.0	46.9	pCi/L	06/11/25 15:19	07/02/25 10:45	1
Combined Radium 226 + 228	59.87		36.4	36.7		46.9	pCi/L	06/11/25 15:19	07/02/25 10:45	1

Lab Sample ID: LCS 160-721951/2-A
Matrix: Water
Analysis Batch: 725567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721951

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Americium-241			142000	140700		14500		401	pCi/L	99	75 - 125		
Cesium-137			37900	37310		3650		113	pCi/L	98	75 - 125		
Cobalt-60			53000	51490		5010		96.1	pCi/L	97	75 - 125		

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-721564/1-A
Matrix: Water
Analysis Batch: 725543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721564

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03042	U	0.153	0.153	1.00	0.298	pCi/L	06/10/25 08:02	07/02/25 21:59	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*06/10/25 08:02*	*07/02/25 21:59*	*1*

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-721564/2-A
Matrix: Water
Analysis Batch: 725543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721564

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.708		1.26	1.00	0.292	pCi/L	101	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.1*		*30 - 110*

Lab Sample ID: LCSD 160-721564/3-A
Matrix: Water
Analysis Batch: 725543

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721564

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.58	8.290		1.12	1.00	0.308	pCi/L	87	75 - 125	0.59	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*85.1*		*30 - 110*

Lab Sample ID: MB 160-721566/1-A
Matrix: Water
Analysis Batch: 725543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721566

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1940	U	0.147	0.148	1.00	0.211	pCi/L	06/10/25 08:07	07/02/25 20:17	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*06/10/25 08:07*	*07/02/25 20:17*	*1*

Lab Sample ID: LCS 160-721566/2-A
Matrix: Water
Analysis Batch: 725543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721566

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	10.02		1.21	1.00	0.221	pCi/L	105	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-721565/1-A
Matrix: Water
Analysis Batch: 725524

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721565

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4426	U	0.340	0.342	1.00	0.517	pCi/L	06/10/25 08:05	07/02/25 09:53	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:53*	*1*
Y Carrier	*82.2*		*30 - 110*	*06/10/25 08:05*	*07/02/25 09:53*	*1*

Lab Sample ID: LCS 160-721565/2-A
Matrix: Water
Analysis Batch: 725524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721565

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.30	12.93		1.68	1.00	0.617	pCi/L	139	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.1*		*30 - 110*
Y Carrier	*79.6*		*30 - 110*

Lab Sample ID: LCSD 160-721565/3-A
Matrix: Water
Analysis Batch: 725524

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721565

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			9.30	12.90		1.68	1.00	0.580	pCi/L	139	75 - 125	0.01	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*85.1*		*30 - 110*
Y Carrier	*75.9*		*30 - 110*

Lab Sample ID: MB 160-721567/1-A
Matrix: Water
Analysis Batch: 725323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721567

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2451	U	0.306	0.307	1.00	0.508	pCi/L	06/10/25 08:09	07/01/25 09:46	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*06/10/25 08:09*	*07/01/25 09:46*	*1*
Y Carrier	*82.6*		*30 - 110*	*06/10/25 08:09*	*07/01/25 09:46*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-721567/2-A
Matrix: Water
Analysis Batch: 725323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721567

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.30	11.07		1.49	1.00	0.512	pCi/L	119	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.1*		*30 - 110*
Y Carrier	*80.4*		*30 - 110*

HPLC/IC

Analysis Batch: 241123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-4	MNWK-17	Total/NA	Water	9056A	
870-36915-8	MNW-17	Total/NA	Water	9056A	
870-36915-9	AP MWT-3D	Total/NA	Water	9056A	
870-36915-9 - DL	AP MWT-3D	Total/NA	Water	9056A	
870-36915-10	AP MW-3D	Total/NA	Water	9056A	
870-36915-10 - DL	AP MW-3D	Total/NA	Water	9056A	
870-36915-16	SSP MWK-5D	Total/NA	Water	9056A	
870-36915-19	FB-05	Total/NA	Water	9056A	
870-36915-20	FB-06	Total/NA	Water	9056A	
870-36915-23	FB-07	Total/NA	Water	9056A	
MB 860-241123/3	Method Blank	Total/NA	Water	9056A	
MB 860-241123/47	Method Blank	Total/NA	Water	9056A	
LCS 860-241123/4	Lab Control Sample	Total/NA	Water	9056A	
LCS 860-241123/48	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-241123/49	Lab Control Sample Dup	Total/NA	Water	9056A	
LCSD 860-241123/5	Lab Control Sample Dup	Total/NA	Water	9056A	
870-36915-23 MS	FB-07	Total/NA	Water	9056A	
870-36915-23 MSD	FB-07	Total/NA	Water	9056A	

Analysis Batch: 241176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	9056A	
870-36915-2	SFL MW-2D	Total/NA	Water	9056A	
870-36915-3	AP PZ-4S	Total/NA	Water	9056A	
870-36915-3 - DL	AP PZ-4S	Total/NA	Water	9056A	
870-36915-5	SSP MW-2D	Total/NA	Water	9056A	
870-36915-6	SSP MW-6S	Total/NA	Water	9056A	
870-36915-6 - DL	SSP MW-6S	Total/NA	Water	9056A	
870-36915-7	SSP MW-5D	Total/NA	Water	9056A	
870-36915-11	AP MW-5D	Total/NA	Water	9056A	
870-36915-11 - DL	AP MW-5D	Total/NA	Water	9056A	
870-36915-12	SFL MW-3D	Total/NA	Water	9056A	
870-36915-13	SSP MW-6D	Total/NA	Water	9056A	
870-36915-14	SFL MWT-5D	Total/NA	Water	9056A	
870-36915-15	SFL MW-5D	Total/NA	Water	9056A	
870-36915-17	AP MW-7S	Total/NA	Water	9056A	
870-36915-17 - DL	AP MW-7S	Total/NA	Water	9056A	
870-36915-18	AP MW-7D	Total/NA	Water	9056A	
870-36915-21	MNW-15D	Total/NA	Water	9056A	
870-36915-22	MNW-11	Total/NA	Water	9056A	
MB 860-241176/3	Method Blank	Total/NA	Water	9056A	
LCS 860-241176/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-241176/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-241176/7	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 241390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-4	MNWK-17	Total/NA	Water	9056A	
870-36915-8	MNW-17	Total/NA	Water	9056A	
870-36915-9	AP MWT-3D	Total/NA	Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 241390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-10	AP MW-3D	Total/NA	Water	9056A	
870-36915-16	SSP MWK-5D	Total/NA	Water	9056A	
870-36915-19	FB-05	Total/NA	Water	9056A	
870-36915-20	FB-06	Total/NA	Water	9056A	
MB 860-241390/3	Method Blank	Total/NA	Water	9056A	
LCS 860-241390/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-241390/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-241390/7	Lab Control Sample	Total/NA	Water	9056A	

Metals

Filtration Batch: 240698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-240698/1-B	Method Blank	Total/NA	Water	Filtration	
LCS 860-240698/2-B	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-240698/3-B	Lab Control Sample Dup	Total/NA	Water	Filtration	

Leach Batch: 241044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-241044/1-D	Method Blank	Total/NA	Water	1311	

Prep Batch: 241288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	7470A	
870-36915-2	SFL MW-2D	Total/NA	Water	7470A	
870-36915-3	AP PZ-4S	Total/NA	Water	7470A	
870-36915-4	MNWK-17	Total/NA	Water	7470A	
870-36915-6	SSP MW-6S	Total/NA	Water	7470A	
870-36915-7	SSP MW-5D	Total/NA	Water	7470A	
870-36915-8	MNW-17	Total/NA	Water	7470A	
870-36915-9	AP MWT-3D	Total/NA	Water	7470A	
870-36915-10	AP MW-3D	Total/NA	Water	7470A	
870-36915-11	AP MW-5D	Total/NA	Water	7470A	
870-36915-17	AP MW-7S	Total/NA	Water	7470A	
870-36915-18	AP MW-7D	Total/NA	Water	7470A	
870-36915-19	FB-05	Total/NA	Water	7470A	
870-36915-20	FB-06	Total/NA	Water	7470A	
870-36915-21	MNW-15D	Total/NA	Water	7470A	
870-36915-22	MNW-11	Total/NA	Water	7470A	
870-36915-23	FB-07	Total/NA	Water	7470A	
MB 860-241288/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-241288/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-241288/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-36915-11 MS	AP MW-5D	Total/NA	Water	7470A	
870-36915-11 MSD	AP MW-5D	Total/NA	Water	7470A	

Prep Batch: 241289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-5	SSP MW-2D	Total/NA	Water	7470A	
870-36915-12	SFL MW-3D	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 241289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-13	SSP MW-6D	Total/NA	Water	7470A	
870-36915-14	SFL MWT-5D	Dissolved	Water	7470A	
870-36915-15	SFL MW-5D	Total/NA	Water	7470A	
870-36915-16	SSP MWK-5D	Total/NA	Water	7470A	
LB 860-241044/1-D	Method Blank	Total/NA	Water	7470A	241044
MB 860-241289/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-241289/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-241289/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 241346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	3010A	
870-36915-2	SFL MW-2D	Total/NA	Water	3010A	
870-36915-4	MNWK-17	Total/NA	Water	3010A	
870-36915-6	SSP MW-6S	Total/NA	Water	3010A	
870-36915-17	AP MW-7S	Total/NA	Water	3010A	
870-36915-18	AP MW-7D	Total/NA	Water	3010A	
870-36915-19	FB-05	Total/NA	Water	3010A	
870-36915-20	FB-06	Total/NA	Water	3010A	
870-36915-21	MNW-15D	Total/NA	Water	3010A	
870-36915-22	MNW-11	Total/NA	Water	3010A	
870-36915-23	FB-07	Total/NA	Water	3010A	
MB 860-240698/1-B	Method Blank	Total/NA	Water	3010A	240698
LCS 860-240698/2-B	Lab Control Sample	Total/NA	Water	3010A	240698
LCSD 860-240698/3-B	Lab Control Sample Dup	Total/NA	Water	3010A	240698

Leach Batch: 241361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-241361/1-B	Method Blank	Total/NA	Water	1311	

Prep Batch: 241365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-3	AP PZ-4S	Total/NA	Water	3010A	
870-36915-5	SSP MW-2D	Total/NA	Water	3010A	
870-36915-7	SSP MW-5D	Total/NA	Water	3010A	
870-36915-8	MNW-17	Total/NA	Water	3010A	
870-36915-9	AP MWT-3D	Total/NA	Water	3010A	
870-36915-10	AP MW-3D	Total/NA	Water	3010A	
870-36915-11	AP MW-5D	Total/NA	Water	3010A	
870-36915-12	SFL MW-3D	Total/NA	Water	3010A	
870-36915-13	SSP MW-6D	Total/NA	Water	3010A	
870-36915-14	SFL MWT-5D	Total/NA	Water	3010A	
870-36915-15	SFL MW-5D	Total/NA	Water	3010A	
870-36915-16	SSP MWK-5D	Total/NA	Water	3010A	
MB 860-241365/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-241365/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-241365/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

QC Association Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Metals

Prep Batch: 241389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-3	AP PZ-4S	Total/NA	Water	3010A	
870-36915-5	SSP MW-2D	Total/NA	Water	3010A	
870-36915-9	AP MWT-3D	Total/NA	Water	3010A	
870-36915-12	SFL MW-3D	Dissolved	Water	3010A	
870-36915-14	SFL MWT-5D	Dissolved	Water	3010A	
870-36915-15	SFL MW-5D	Total/NA	Water	3010A	
870-36915-16	SSP MWK-5D	Total/NA	Water	3010A	
MB 860-241389/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-241389/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-241389/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 241525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	7470A	241288
870-36915-2	SFL MW-2D	Total/NA	Water	7470A	241288
870-36915-3	AP PZ-4S	Total/NA	Water	7470A	241288
870-36915-4	MNWK-17	Total/NA	Water	7470A	241288
870-36915-5	SSP MW-2D	Total/NA	Water	7470A	241289
870-36915-6	SSP MW-6S	Total/NA	Water	7470A	241288
870-36915-7	SSP MW-5D	Total/NA	Water	7470A	241288
870-36915-8	MNW-17	Total/NA	Water	7470A	241288
870-36915-9	AP MWT-3D	Total/NA	Water	7470A	241288
870-36915-10	AP MW-3D	Total/NA	Water	7470A	241288
870-36915-11	AP MW-5D	Total/NA	Water	7470A	241288
870-36915-12	SFL MW-3D	Dissolved	Water	7470A	241289
870-36915-13	SSP MW-6D	Total/NA	Water	7470A	241289
870-36915-14	SFL MWT-5D	Dissolved	Water	7470A	241289
870-36915-15	SFL MW-5D	Total/NA	Water	7470A	241289
870-36915-16	SSP MWK-5D	Total/NA	Water	7470A	241289
870-36915-17	AP MW-7S	Total/NA	Water	7470A	241288
870-36915-18	AP MW-7D	Total/NA	Water	7470A	241288
870-36915-19	FB-05	Total/NA	Water	7470A	241288
870-36915-20	FB-06	Total/NA	Water	7470A	241288
870-36915-21	MNW-15D	Total/NA	Water	7470A	241288
870-36915-22	MNW-11	Total/NA	Water	7470A	241288
870-36915-23	FB-07	Total/NA	Water	7470A	241288
LB 860-241044/1-D	Method Blank	Total/NA	Water	7470A	241289
MB 860-241288/10-A	Method Blank	Total/NA	Water	7470A	241288
MB 860-241289/1-A	Method Blank	Total/NA	Water	7470A	241289
LCS 860-241288/11-A	Lab Control Sample	Total/NA	Water	7470A	241288
LCS 860-241289/2-A	Lab Control Sample	Total/NA	Water	7470A	241289
LCSD 860-241288/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	241288
LCSD 860-241289/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	241289
870-36915-11 MS	AP MW-5D	Total/NA	Water	7470A	241288
870-36915-11 MSD	AP MW-5D	Total/NA	Water	7470A	241288

Prep Batch: 241610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-5	SSP MW-2D	Dissolved	Water	7470A	
870-36915-7	SSP MW-5D	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 241610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-9	AP MWT-3D	Dissolved	Water	7470A	
870-36915-10	AP MW-3D	Dissolved	Water	7470A	
870-36915-12	SFL MW-3D	Total/NA	Water	7470A	
870-36915-14	SFL MWT-5D	Total/NA	Water	7470A	
870-36915-15	SFL MW-5D	Dissolved	Water	7470A	
870-36915-16	SSP MWK-5D	Dissolved	Water	7470A	
870-36915-17	AP MW-7S	Dissolved	Water	7470A	
MB 860-241610/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-241610/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-241610/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-36915-7 MS	SSP MW-5D	Dissolved	Water	7470A	
870-36915-7 MSD	SSP MW-5D	Dissolved	Water	7470A	

Analysis Batch: 241650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-3	AP PZ-4S	Total/NA	Water	6010D	241389
870-36915-3	AP PZ-4S	Total/NA	Water	6010D	241389
870-36915-5	SSP MW-2D	Total/NA	Water	6010D	241389
870-36915-5	SSP MW-2D	Total/NA	Water	6010D	241389
870-36915-9	AP MWT-3D	Total/NA	Water	6010D	241389
870-36915-9	AP MWT-3D	Total/NA	Water	6010D	241389
870-36915-14	SFL MWT-5D	Dissolved	Water	6010D	241389
870-36915-14	SFL MWT-5D	Dissolved	Water	6010D	241389
870-36915-15	SFL MW-5D	Total/NA	Water	6010D	241389
870-36915-15	SFL MW-5D	Total/NA	Water	6010D	241389
870-36915-16	SSP MWK-5D	Total/NA	Water	6010D	241389
MB 860-241389/1-A	Method Blank	Total/NA	Water	6010D	241389
LCS 860-241389/2-A	Lab Control Sample	Total/NA	Water	6010D	241389
LCSD 860-241389/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	241389

Prep Batch: 241655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-12	SFL MW-3D	Total/NA	Water	3010A	
MB 860-241655/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-241655/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-241655/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 241696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	3010A	
870-36915-2	SFL MW-2D	Total/NA	Water	3010A	
870-36915-4	MNWK-17	Total/NA	Water	3010A	
870-36915-6	SSP MW-6S	Total/NA	Water	3010A	
870-36915-7	SSP MW-5D	Total/NA	Water	3010A	
870-36915-8	MNW-17	Total/NA	Water	3010A	
LB 860-241361/1-B	Method Blank	Total/NA	Water	3010A	241361
MB 860-241696/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-241696/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-241696/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Analysis Batch: 241746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-3	AP PZ-4S	Total/NA	Water	6020B	241365
870-36915-5	SSP MW-2D	Total/NA	Water	6020B	241365
870-36915-7	SSP MW-5D	Total/NA	Water	6020B	241365
870-36915-8	MNW-17	Total/NA	Water	6020B	241365
870-36915-9	AP MWT-3D	Total/NA	Water	6020B	241365
870-36915-10	AP MW-3D	Total/NA	Water	6020B	241365
870-36915-11	AP MW-5D	Total/NA	Water	6020B	241365
870-36915-12	SFL MW-3D	Total/NA	Water	6020B	241365
870-36915-13	SSP MW-6D	Total/NA	Water	6020B	241365
870-36915-14	SFL MWT-5D	Total/NA	Water	6020B	241365
870-36915-15	SFL MW-5D	Total/NA	Water	6020B	241365
870-36915-16	SSP MWK-5D	Total/NA	Water	6020B	241365
MB 860-241365/1-A	Method Blank	Total/NA	Water	6020B	241365
LCS 860-241365/2-A	Lab Control Sample	Total/NA	Water	6020B	241365
LCSD 860-241365/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	241365

Analysis Batch: 241747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	6020B	241346
870-36915-2	SFL MW-2D	Total/NA	Water	6020B	241346
870-36915-4	MNWK-17	Total/NA	Water	6020B	241346
870-36915-6	SSP MW-6S	Total/NA	Water	6020B	241346
870-36915-17	AP MW-7S	Total/NA	Water	6020B	241346
870-36915-18	AP MW-7D	Total/NA	Water	6020B	241346
870-36915-19	FB-05	Total/NA	Water	6020B	241346
870-36915-20	FB-06	Total/NA	Water	6020B	241346
870-36915-21	MNW-15D	Total/NA	Water	6020B	241346
870-36915-22	MNW-11	Total/NA	Water	6020B	241346
870-36915-23	FB-07	Total/NA	Water	6020B	241346
MB 860-240698/1-B	Method Blank	Total/NA	Water	6020B	241346
LCS 860-240698/2-B	Lab Control Sample	Total/NA	Water	6020B	241346
LCSD 860-240698/3-B	Lab Control Sample Dup	Total/NA	Water	6020B	241346

Prep Batch: 241757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-10	AP MW-3D	Total/NA	Water	3010A	
870-36915-11	AP MW-5D	Total/NA	Water	3010A	
870-36915-13	SSP MW-6D	Total/NA	Water	3010A	
870-36915-17	AP MW-7S	Total/NA	Water	3010A	
870-36915-18	AP MW-7D	Total/NA	Water	3010A	
870-36915-19	FB-05	Total/NA	Water	3010A	
870-36915-20	FB-06	Total/NA	Water	3010A	
870-36915-21	MNW-15D	Total/NA	Water	3010A	
870-36915-22	MNW-11	Total/NA	Water	3010A	
870-36915-23	FB-07	Total/NA	Water	3010A	
MB 860-241757/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-241757/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-241757/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

QC Association Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Metals

Prep Batch: 241769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-5	SSP MW-2D	Dissolved	Water	3010A	
870-36915-7	SSP MW-5D	Dissolved	Water	3010A	
870-36915-9	AP MWT-3D	Dissolved	Water	3010A	
870-36915-10	AP MW-3D	Dissolved	Water	3010A	
870-36915-14	SFL MWT-5D	Total/NA	Water	3010A	
870-36915-15	SFL MW-5D	Dissolved	Water	3010A	
870-36915-16	SSP MWK-5D	Dissolved	Water	3010A	
870-36915-17	AP MW-7S	Dissolved	Water	3010A	
MB 860-241769/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-241769/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-241769/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 242069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	6020B	241346
870-36915-2	SFL MW-2D	Total/NA	Water	6020B	241346
870-36915-4	MNWK-17	Total/NA	Water	6020B	241346
870-36915-6	SSP MW-6S	Total/NA	Water	6020B	241346
870-36915-13	SSP MW-6D	Total/NA	Water	6020B	241365
870-36915-14	SFL MWT-5D	Total/NA	Water	6020B	241365
870-36915-15	SFL MW-5D	Total/NA	Water	6020B	241365
870-36915-16	SSP MWK-5D	Total/NA	Water	6020B	241365
870-36915-17	AP MW-7S	Total/NA	Water	6020B	241346
870-36915-18	AP MW-7D	Total/NA	Water	6020B	241346
870-36915-19	FB-05	Total/NA	Water	6020B	241346
870-36915-20	FB-06	Total/NA	Water	6020B	241346
870-36915-21	MNW-15D	Total/NA	Water	6020B	241346
870-36915-22	MNW-11	Total/NA	Water	6020B	241346
870-36915-23	FB-07	Total/NA	Water	6020B	241346
MB 860-240698/1-B	Method Blank	Total/NA	Water	6020B	241346
LCS 860-240698/2-B	Lab Control Sample	Total/NA	Water	6020B	241346
LCSD 860-240698/3-B	Lab Control Sample Dup	Total/NA	Water	6020B	241346

Analysis Batch: 242079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	6010D	241696
870-36915-1	SSP MW-3D	Total/NA	Water	6010D	241696
870-36915-2	SFL MW-2D	Total/NA	Water	6010D	241696
870-36915-2	SFL MW-2D	Total/NA	Water	6010D	241696
870-36915-4	MNWK-17	Total/NA	Water	6010D	241696
870-36915-6	SSP MW-6S	Total/NA	Water	6010D	241696
870-36915-6	SSP MW-6S	Total/NA	Water	6010D	241696
870-36915-7	SSP MW-5D	Total/NA	Water	6010D	241696
870-36915-7	SSP MW-5D	Total/NA	Water	6010D	241696
870-36915-8	MNW-17	Total/NA	Water	6010D	241696
LB 860-241361/1-B	Method Blank	Total/NA	Water	6010D	241696
MB 860-241655/1-A	Method Blank	Total/NA	Water	6010D	241655
MB 860-241696/1-A	Method Blank	Total/NA	Water	6010D	241696
LCS 860-241655/2-A	Lab Control Sample	Total/NA	Water	6010D	241655
LCS 860-241696/2-A	Lab Control Sample	Total/NA	Water	6010D	241696

Metals (Continued)

Analysis Batch: 242079 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-241655/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	241655
LCSD 860-241696/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	241696

Analysis Batch: 242111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-5	SSP MW-2D	Dissolved	Water	6010D	241769
870-36915-5	SSP MW-2D	Dissolved	Water	6010D	241769
870-36915-7	SSP MW-5D	Dissolved	Water	6010D	241769
870-36915-7	SSP MW-5D	Dissolved	Water	6010D	241769
870-36915-9	AP MWT-3D	Dissolved	Water	6010D	241769
870-36915-9	AP MWT-3D	Dissolved	Water	6010D	241769
870-36915-10	AP MW-3D	Dissolved	Water	6010D	241769
870-36915-10	AP MW-3D	Dissolved	Water	6010D	241769
870-36915-10	AP MW-3D	Total/NA	Water	6010D	241757
870-36915-10	AP MW-3D	Total/NA	Water	6010D	241757
870-36915-11	AP MW-5D	Total/NA	Water	6010D	241757
870-36915-11	AP MW-5D	Total/NA	Water	6010D	241757
870-36915-13	SSP MW-6D	Total/NA	Water	6010D	241757
870-36915-13	SSP MW-6D	Total/NA	Water	6010D	241757
870-36915-14	SFL MWT-5D	Total/NA	Water	6010D	241769
870-36915-14	SFL MWT-5D	Total/NA	Water	6010D	241769
870-36915-15	SFL MW-5D	Dissolved	Water	6010D	241769
870-36915-15	SFL MW-5D	Dissolved	Water	6010D	241769
870-36915-16	SSP MWK-5D	Dissolved	Water	6010D	241769
870-36915-17	AP MW-7S	Dissolved	Water	6010D	241769
870-36915-17	AP MW-7S	Dissolved	Water	6010D	241769
870-36915-17	AP MW-7S	Total/NA	Water	6010D	241757
870-36915-17	AP MW-7S	Total/NA	Water	6010D	241757
870-36915-18	AP MW-7D	Total/NA	Water	6010D	241757
870-36915-18	AP MW-7D	Total/NA	Water	6010D	241757
870-36915-19	FB-05	Total/NA	Water	6010D	241757
870-36915-20	FB-06	Total/NA	Water	6010D	241757
870-36915-21	MNW-15D	Total/NA	Water	6010D	241757
870-36915-21	MNW-15D	Total/NA	Water	6010D	241757
870-36915-22	MNW-11	Total/NA	Water	6010D	241757
870-36915-22	MNW-11	Total/NA	Water	6010D	241757
870-36915-23	FB-07	Total/NA	Water	6010D	241757
MB 860-241757/1-A	Method Blank	Total/NA	Water	6010D	241757
MB 860-241769/1-A	Method Blank	Total/NA	Water	6010D	241769
LCS 860-241757/2-A	Lab Control Sample	Total/NA	Water	6010D	241757
LCS 860-241769/2-A	Lab Control Sample	Total/NA	Water	6010D	241769
LCSD 860-241757/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	241757
LCSD 860-241769/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	241769

Analysis Batch: 242168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-5	SSP MW-2D	Dissolved	Water	7470A	241610
870-36915-7	SSP MW-5D	Dissolved	Water	7470A	241610
870-36915-9	AP MWT-3D	Dissolved	Water	7470A	241610
870-36915-10	AP MW-3D	Dissolved	Water	7470A	241610

Metals (Continued)

Analysis Batch: 242168 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-12	SFL MW-3D	Total/NA	Water	7470A	241610
870-36915-14	SFL MWT-5D	Total/NA	Water	7470A	241610
870-36915-15	SFL MW-5D	Dissolved	Water	7470A	241610
870-36915-16	SSP MWK-5D	Dissolved	Water	7470A	241610
870-36915-17	AP MW-7S	Dissolved	Water	7470A	241610
MB 860-241610/1-A	Method Blank	Total/NA	Water	7470A	241610
LCS 860-241610/2-A	Lab Control Sample	Total/NA	Water	7470A	241610
LCSD 860-241610/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	241610
870-36915-7 MS	SSP MW-5D	Dissolved	Water	7470A	241610
870-36915-7 MSD	SSP MW-5D	Dissolved	Water	7470A	241610

Analysis Batch: 242280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-12	SFL MW-3D	Dissolved	Water	6010D	241389
870-36915-12	SFL MW-3D	Total/NA	Water	6010D	241655

General Chemistry

Analysis Batch: 29167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-5	SSP MW-2D	Total/NA	Water	SM 4500 H+ B	
870-36915-6	SSP MW-6S	Total/NA	Water	SM 4500 H+ B	
870-36915-9	AP MWT-3D	Total/NA	Water	SM 4500 H+ B	
870-36915-10	AP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-36915-11	AP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-36915-17	AP MW-7S	Total/NA	Water	SM 4500 H+ B	
870-36915-18	AP MW-7D	Total/NA	Water	SM 4500 H+ B	
870-36915-19	FB-05	Total/NA	Water	SM 4500 H+ B	
870-36915-11 DU	AP MW-5D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 29169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-20	FB-06	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 29170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-5	SSP MW-2D	Total/NA	Water	SM 2540C	
870-36915-6	SSP MW-6S	Total/NA	Water	SM 2540C	
870-36915-9	AP MWT-3D	Total/NA	Water	SM 2540C	
870-36915-10	AP MW-3D	Total/NA	Water	SM 2540C	
870-36915-11	AP MW-5D	Total/NA	Water	SM 2540C	
870-36915-17	AP MW-7S	Total/NA	Water	SM 2540C	
870-36915-18	AP MW-7D	Total/NA	Water	SM 2540C	
870-36915-19	FB-05	Total/NA	Water	SM 2540C	
MB 870-29170/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-29170/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-29170/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-36915-19 DU	FB-05	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 29195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-36915-2	SFL MW-2D	Total/NA	Water	SM 4500 H+ B	
870-36915-3	AP PZ-4S	Total/NA	Water	SM 4500 H+ B	
870-36915-4	MNWK-17	Total/NA	Water	SM 4500 H+ B	
870-36915-7	SSP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-36915-8	MNW-17	Total/NA	Water	SM 4500 H+ B	
870-36915-12	SFL MW-3D	Total/NA	Water	SM 4500 H+ B	
870-36915-13	SSP MW-6D	Total/NA	Water	SM 4500 H+ B	
870-36915-14	SFL MWT-5D	Total/NA	Water	SM 4500 H+ B	
870-36915-15	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	
870-36915-16	SSP MWK-5D	Total/NA	Water	SM 4500 H+ B	
870-36915-21	MNW-15D	Total/NA	Water	SM 4500 H+ B	
870-36915-22	MNW-11	Total/NA	Water	SM 4500 H+ B	
870-36915-23	FB-07	Total/NA	Water	SM 4500 H+ B	
870-36915-13 DU	SSP MW-6D	Total/NA	Water	SM 4500 H+ B	
870-36915-23 DU	FB-07	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 29216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	SM 2540C	
870-36915-2	SFL MW-2D	Total/NA	Water	SM 2540C	
870-36915-3	AP PZ-4S	Total/NA	Water	SM 2540C	
870-36915-4	MNWK-17	Total/NA	Water	SM 2540C	
870-36915-7	SSP MW-5D	Total/NA	Water	SM 2540C	
870-36915-8	MNW-17	Total/NA	Water	SM 2540C	
870-36915-12	SFL MW-3D	Total/NA	Water	SM 2540C	
870-36915-13	SSP MW-6D	Total/NA	Water	SM 2540C	
870-36915-14	SFL MWT-5D	Total/NA	Water	SM 2540C	
870-36915-15	SFL MW-5D	Total/NA	Water	SM 2540C	
870-36915-16	SSP MWK-5D	Total/NA	Water	SM 2540C	
870-36915-20	FB-06	Total/NA	Water	SM 2540C	
870-36915-21	MNW-15D	Total/NA	Water	SM 2540C	
870-36915-23	FB-07	Total/NA	Water	SM 2540C	
MB 870-29216/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-29216/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-29216/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-36915-8 DU	MNW-17	Total/NA	Water	SM 2540C	
870-36915-23 DU	FB-07	Total/NA	Water	SM 2540C	

Analysis Batch: 29252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-22	MNW-11	Total/NA	Water	SM 2540C	
MB 870-29252/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-29252/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-29252/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 242186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	SM 2320B	
870-36915-2	SFL MW-2D	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 242186 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-3	AP PZ-4S	Total/NA	Water	SM 2320B	
870-36915-4	MNWK-17	Total/NA	Water	SM 2320B	
870-36915-5	SSP MW-2D	Total/NA	Water	SM 2320B	
870-36915-6	SSP MW-6S	Total/NA	Water	SM 2320B	
870-36915-7	SSP MW-5D	Total/NA	Water	SM 2320B	
870-36915-8	MNW-17	Total/NA	Water	SM 2320B	
870-36915-9	AP MWT-3D	Total/NA	Water	SM 2320B	
870-36915-10	AP MW-3D	Total/NA	Water	SM 2320B	
870-36915-11	AP MW-5D	Total/NA	Water	SM 2320B	
870-36915-12	SFL MW-3D	Total/NA	Water	SM 2320B	
870-36915-13	SSP MW-6D	Total/NA	Water	SM 2320B	
870-36915-14	SFL MWT-5D	Total/NA	Water	SM 2320B	
870-36915-15	SFL MW-5D	Total/NA	Water	SM 2320B	
870-36915-16	SSP MWK-5D	Total/NA	Water	SM 2320B	
870-36915-17	AP MW-7S	Total/NA	Water	SM 2320B	
870-36915-18	AP MW-7D	Total/NA	Water	SM 2320B	
870-36915-19	FB-05	Total/NA	Water	SM 2320B	
870-36915-20	FB-06	Total/NA	Water	SM 2320B	
870-36915-21	MNW-15D	Total/NA	Water	SM 2320B	
870-36915-22	MNW-11	Total/NA	Water	SM 2320B	
870-36915-23	FB-07	Total/NA	Water	SM 2320B	
MB 860-242186/3	Method Blank	Total/NA	Water	SM 2320B	
MB 860-242186/34	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-242186/35	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 860-242186/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-242186/36	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 860-242186/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-36915-1 DU	SSP MW-3D	Total/NA	Water	SM 2320B	
870-36915-2 DU	SFL MW-2D	Total/NA	Water	SM 2320B	
870-36915-21 DU	MNW-15D	Total/NA	Water	SM 2320B	
870-36915-22 DU	MNW-11	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 721564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	PrecSep-21	
870-36915-2	SFL MW-2D	Total/NA	Water	PrecSep-21	
870-36915-3	AP PZ-4S	Total/NA	Water	PrecSep-21	
870-36915-4	MNWK-17	Total/NA	Water	PrecSep-21	
870-36915-5	SSP MW-2D	Total/NA	Water	PrecSep-21	
870-36915-6	SSP MW-6S	Total/NA	Water	PrecSep-21	
870-36915-7	SSP MW-5D	Total/NA	Water	PrecSep-21	
870-36915-8	MNW-17	Total/NA	Water	PrecSep-21	
870-36915-9	AP MWT-3D	Total/NA	Water	PrecSep-21	
870-36915-10	AP MW-3D	Total/NA	Water	PrecSep-21	
870-36915-11	AP MW-5D	Total/NA	Water	PrecSep-21	
870-36915-12	SFL MW-3D	Total/NA	Water	PrecSep-21	
870-36915-13	SSP MW-6D	Total/NA	Water	PrecSep-21	
870-36915-14	SFL MWT-5D	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 721564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-15	SFL MW-5D	Total/NA	Water	PrecSep-21	
870-36915-16	SSP MWK-5D	Total/NA	Water	PrecSep-21	
870-36915-17	AP MW-7S	Total/NA	Water	PrecSep-21	
870-36915-18	AP MW-7D	Total/NA	Water	PrecSep-21	
870-36915-19	FB-05	Total/NA	Water	PrecSep-21	
870-36915-20	FB-06	Total/NA	Water	PrecSep-21	
MB 160-721564/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-721564/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-721564/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 721565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	PrecSep_0	
870-36915-2	SFL MW-2D	Total/NA	Water	PrecSep_0	
870-36915-3	AP PZ-4S	Total/NA	Water	PrecSep_0	
870-36915-4	MNWK-17	Total/NA	Water	PrecSep_0	
870-36915-5	SSP MW-2D	Total/NA	Water	PrecSep_0	
870-36915-6	SSP MW-6S	Total/NA	Water	PrecSep_0	
870-36915-7	SSP MW-5D	Total/NA	Water	PrecSep_0	
870-36915-8	MNW-17	Total/NA	Water	PrecSep_0	
870-36915-9	AP MWT-3D	Total/NA	Water	PrecSep_0	
870-36915-10	AP MW-3D	Total/NA	Water	PrecSep_0	
870-36915-11	AP MW-5D	Total/NA	Water	PrecSep_0	
870-36915-12	SFL MW-3D	Total/NA	Water	PrecSep_0	
870-36915-13	SSP MW-6D	Total/NA	Water	PrecSep_0	
870-36915-14	SFL MWT-5D	Total/NA	Water	PrecSep_0	
870-36915-15	SFL MW-5D	Total/NA	Water	PrecSep_0	
870-36915-16	SSP MWK-5D	Total/NA	Water	PrecSep_0	
870-36915-17	AP MW-7S	Total/NA	Water	PrecSep_0	
870-36915-18	AP MW-7D	Total/NA	Water	PrecSep_0	
870-36915-19	FB-05	Total/NA	Water	PrecSep_0	
870-36915-20	FB-06	Total/NA	Water	PrecSep_0	
MB 160-721565/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-721565/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-721565/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 721566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-21	MNW-15D	Total/NA	Water	PrecSep-21	
870-36915-22	MNW-11	Total/NA	Water	PrecSep-21	
870-36915-23	FB-07	Total/NA	Water	PrecSep-21	
MB 160-721566/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-721566/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 721567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-21	MNW-15D	Total/NA	Water	PrecSep_0	
870-36915-22	MNW-11	Total/NA	Water	PrecSep_0	
870-36915-23	FB-07	Total/NA	Water	PrecSep_0	
MB 160-721567/1-A	Method Blank	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 721567 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-721567/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 721729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-1	SSP MW-3D	Total/NA	Water	Fill_Geo-21	
870-36915-2	SFL MW-2D	Total/NA	Water	Fill_Geo-21	
870-36915-3	AP PZ-4S	Total/NA	Water	Fill_Geo-21	
870-36915-4	MNWK-17	Total/NA	Water	Fill_Geo-21	
870-36915-5	SSP MW-2D	Total/NA	Water	Fill_Geo-21	
870-36915-6	SSP MW-6S	Total/NA	Water	Fill_Geo-21	
870-36915-7	SSP MW-5D	Total/NA	Water	Fill_Geo-21	
870-36915-8	MNW-17	Total/NA	Water	Fill_Geo-21	
870-36915-9	AP MWT-3D	Total/NA	Water	Fill_Geo-21	
870-36915-10	AP MW-3D	Total/NA	Water	Fill_Geo-21	
870-36915-11	AP MW-5D	Total/NA	Water	Fill_Geo-21	
870-36915-12	SFL MW-3D	Total/NA	Water	Fill_Geo-21	
870-36915-13	SSP MW-6D	Total/NA	Water	Fill_Geo-21	
870-36915-14	SFL MWT-5D	Total/NA	Water	Fill_Geo-21	
870-36915-15	SFL MW-5D	Total/NA	Water	Fill_Geo-21	
870-36915-16	SSP MWK-5D	Total/NA	Water	Fill_Geo-21	
870-36915-17	AP MW-7S	Total/NA	Water	Fill_Geo-21	
870-36915-18	AP MW-7D	Total/NA	Water	Fill_Geo-21	
870-36915-19	FB-05	Total/NA	Water	Fill_Geo-21	
870-36915-20	FB-06	Total/NA	Water	Fill_Geo-21	
MB 160-721729/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-721729/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-36915-1 DU	SSP MW-3D	Total/NA	Water	Fill_Geo-21	

Prep Batch: 721951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-36915-21	MNW-15D	Total/NA	Water	Fill_Geo-21	
870-36915-22	MNW-11	Total/NA	Water	Fill_Geo-21	
870-36915-23	FB-07	Total/NA	Water	Fill_Geo-21	
MB 160-721951/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-721951/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-3D

Date Collected: 06/03/25 12:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/09/25 20:32	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242079	06/11/25 18:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242079	06/11/25 18:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 21:32	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:25	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:40	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 10:37	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725295	07/01/25 09:10	CAH	EET SL
Total/NA	Prep	PrecSep-21			1002.18 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725543	07/02/25 22:01	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.18 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:53	SWS	EET SL

Client Sample ID: SFL MW-2D

Date Collected: 06/04/25 11:55
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/09/25 20:58	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242079	06/11/25 18:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242079	06/11/25 18:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 21:37	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:28	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:41	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 10:46	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725301	07/01/25 09:10	CAH	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-2D

Date Collected: 06/04/25 11:55
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.55 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:01	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.55 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:54	SWS	EET SL

Client Sample ID: AP PZ-4S

Date Collected: 06/03/25 14:25
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/09/25 21:51	WP	EET HOU
Total/NA	Analysis	9056A	DL	50			241176	06/09/25 22:04	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		1			241650	06/10/25 18:04	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		50			241650	06/10/25 18:13	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 18:56	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 15:06	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 10:55	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725302	07/01/25 09:11	CAH	EET SL
Total/NA	Prep	PrecSep-21			1001.34 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:01	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.34 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:54	SWS	EET SL

Client Sample ID: MNWK-17

Date Collected: 06/03/25 16:40
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			241123	06/09/25 17:49	WP	EET HOU
Total/NA	Analysis	9056A		1			241390	06/10/25 11:06	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242079	06/11/25 18:29	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 21:42	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:30	DP	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: MNWK-17

Date Collected: 06/03/25 16:40
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:42	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 10:59	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725301	07/01/25 12:40	CAH	EET SL
Total/NA	Prep	PrecSep-21			1002.33 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:01	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.33 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:54	SWS	EET SL

Client Sample ID: SSP MW-2D

Date Collected: 06/02/25 13:40
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/09/25 22:17	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		1			242111	06/12/25 13:17	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		50			242111	06/12/25 13:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		1			241650	06/10/25 18:06	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		50			241650	06/10/25 18:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:01	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Dissolved	Analysis	7470A		1			242168	06/11/25 21:33	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241289	06/10/25 04:16	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 15:44	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:03	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29170	06/06/25 15:43	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29167	06/06/25 14:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725302	07/01/25 12:41	CAH	EET SL
Total/NA	Prep	PrecSep-21			504.06 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			504.06 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:54	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-6S

Date Collected: 06/02/25 17:20
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/09/25 22:44	WP	EET HOU
Total/NA	Analysis	9056A	DL	50			241176	06/09/25 22:57	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242079	06/11/25 18:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242079	06/11/25 18:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 21:45	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:33	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:44	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:15	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29170	06/06/25 15:43	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29167	06/06/25 14:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725298	07/01/25 15:07	CAH	EET SL
Total/NA	Prep	PrecSep-21			1007.23 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1007.23 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:54	SWS	EET SL

Client Sample ID: SSP MW-5D

Date Collected: 06/03/25 11:50
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/09/25 23:10	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		1			242111	06/12/25 13:19	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		50			242111	06/12/25 13:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242079	06/11/25 18:43	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242079	06/11/25 18:48	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:11	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Dissolved	Analysis	7470A		1			242168	06/11/25 21:26	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:45	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:19	AC	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-5D

Lab Sample ID: 870-36915-7
Date Collected: 06/03/25 11:50
Matrix: Water
Date Received: 06/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725299	07/01/25 15:08	CAH	EET SL
Total/NA	Prep	PrecSep-21			750.94 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			750.94 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:54	SWS	EET SL

Client Sample ID: MNW-17

Lab Sample ID: 870-36915-8
Date Collected: 06/03/25 15:55
Matrix: Water
Date Received: 06/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			241123	06/09/25 17:59	WP	EET HOU
Total/NA	Analysis	9056A		1			241390	06/10/25 11:13	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241696	06/11/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242079	06/11/25 18:45	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:16	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:47	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:24	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725303	07/01/25 15:10	CAH	EET SL
Total/NA	Prep	PrecSep-21			1000.67 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.67 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:54	SWS	EET SL

Client Sample ID: AP MWT-3D

Lab Sample ID: 870-36915-9
Date Collected: 06/02/25 13:45
Matrix: Water
Date Received: 06/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			241123	06/09/25 21:41	WP	EET HOU
Total/NA	Analysis	9056A	DL	10			241123	06/09/25 21:51	WP	EET HOU
Total/NA	Analysis	9056A		1			241390	06/10/25 12:42	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		1			242111	06/12/25 13:21	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP MWT-3D

Date Collected: 06/02/25 13:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		50			242111	06/12/25 13:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		1			241650	06/10/25 18:07	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		50			241650	06/10/25 18:16	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:19	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Dissolved	Analysis	7470A		1			242168	06/11/25 21:34	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 15:04	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:29	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	29170	06/06/25 15:43	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29167	06/06/25 14:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725304	07/01/25 15:09	CAH	EET SL
Total/NA	Prep	PrecSep-21			751.54 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			751.54 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:55	SWS	EET SL

Client Sample ID: AP MW-3D

Date Collected: 06/02/25 12:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			241123	06/09/25 22:01	WP	EET HOU
Total/NA	Analysis	9056A	DL	10			241123	06/09/25 22:11	WP	EET HOU
Total/NA	Analysis	9056A		1			241390	06/10/25 12:49	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		1			242111	06/12/25 13:33	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		50			242111	06/12/25 13:43	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 12:12	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242111	06/12/25 12:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:24	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Dissolved	Analysis	7470A		1			242168	06/11/25 21:38	SHZ	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-3D

Date Collected: 06/02/25 12:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:48	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:34	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	29170	06/06/25 15:43	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29167	06/06/25 14:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725295	07/01/25 16:44	CAH	EET SL
Total/NA	Prep	PrecSep-21			755.44 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			755.44 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:55	SWS	EET SL

Client Sample ID: AP MW-5D

Date Collected: 06/02/25 18:55
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/09/25 23:37	WP	EET HOU
Total/NA	Analysis	9056A	DL	50			241176	06/09/25 23:50	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 11:59	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242111	06/12/25 12:07	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:29	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:30	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:38	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29170	06/06/25 15:43	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29167	06/06/25 14:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725296	07/01/25 16:45	CAH	EET SL
Total/NA	Prep	PrecSep-21			1002.32 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:04	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.32 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:55	SWS	EET SL

Client Sample ID: SFL MW-3D

Date Collected: 06/04/25 11:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/10/25 00:29	WP	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-3D

Date Collected: 06/04/25 11:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Dissolved	Analysis	6010D		1			242280	06/13/25 11:42	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241655	06/11/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			242280	06/13/25 11:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:34	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241289	06/10/25 04:16	AGR	EET HOU
Dissolved	Analysis	7470A		1			241525	06/10/25 15:51	JDM	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Total/NA	Analysis	7470A		1			242168	06/11/25 21:44	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:40	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725298	07/01/25 16:45	CAH	EET SL
Total/NA	Prep	PrecSep-21			754.13 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:04	SWS	EET SL
Total/NA	Prep	PrecSep_0			754.13 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:56	SWS	EET SL

Client Sample ID: SSP MW-6D

Date Collected: 06/03/25 12:00
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/10/25 00:56	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 12:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242111	06/12/25 12:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:44	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 17:26	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241289	06/10/25 04:16	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 15:47	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:45	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725299	07/01/25 16:47	CAH	EET SL
Total/NA	Prep	PrecSep-21			1000.83 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:04	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-6D
Date Collected: 06/03/25 12:00
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1000.83 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:56	SWS	EET SL

Client Sample ID: SFL MWT-5D
Date Collected: 06/03/25 17:10
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/10/25 01:22	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Dissolved	Analysis	6010D		1			241650	06/10/25 18:33	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Dissolved	Analysis	6010D		50			241650	06/10/25 18:37	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 13:52	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Total/NA	Analysis	6010D		50			242111	06/12/25 13:53	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:49	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 17:28	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241289	06/10/25 04:16	AGR	EET HOU
Dissolved	Analysis	7470A		1			241525	06/10/25 15:52	JDM	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Total/NA	Analysis	7470A		1			242168	06/11/25 21:45	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:50	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725302	07/01/25 16:47	CAH	EET SL
Total/NA	Prep	PrecSep-21			1010.07 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 22:04	SWS	EET SL
Total/NA	Prep	PrecSep_0			1010.07 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:56	SWS	EET SL

Client Sample ID: SFL MW-5D
Date Collected: 06/03/25 16:20
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/10/25 01:49	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		1			242111	06/12/25 13:34	JDM	EET HOU

Client Sample ID: SFL MW-5D

Lab Sample ID: 870-36915-15

Date Collected: 06/03/25 16:20

Matrix: Water

Date Received: 06/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		50			242111	06/12/25 13:45	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		1			241650	06/10/25 18:09	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		50			241650	06/10/25 18:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:54	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 17:36	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Dissolved	Analysis	7470A		1			242168	06/11/25 21:40	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241289	06/10/25 04:16	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 15:46	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 11:55	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725301	07/01/25 16:47	CAH	EET SL
Total/NA	Prep	PrecSep-21			1000.75 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725542	07/02/25 22:07	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.75 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:56	SWS	EET SL

Client Sample ID: SSP MWK-5D

Lab Sample ID: 870-36915-16

Date Collected: 06/03/25 12:50

Matrix: Water

Date Received: 06/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			241123	06/09/25 18:09	WP	EET HOU
Total/NA	Analysis	9056A		1			241390	06/10/25 11:21	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		1			242111	06/12/25 13:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241389	06/10/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		1			241650	06/10/25 18:11	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			241746	06/10/25 19:59	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241365	06/10/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 17:39	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Dissolved	Analysis	7470A		1			242168	06/11/25 21:41	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241289	06/10/25 04:16	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 15:48	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MWK-5D

Date Collected: 06/03/25 12:50
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 12:08	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725303	07/01/25 16:48	CAH	EET SL
Total/NA	Prep	PrecSep-21			1001.76 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725732	07/03/25 07:24	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.76 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725524	07/02/25 09:56	SWS	EET SL

Client Sample ID: AP MW-7S

Date Collected: 06/02/25 18:20
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/10/25 02:15	WP	EET HOU
Total/NA	Analysis	9056A	DL	50			241176	06/10/25 02:28	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		1			242111	06/12/25 13:16	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	241769	06/11/25 14:00	MD	EET HOU
Dissolved	Analysis	6010D		50			242111	06/12/25 13:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 11:35	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242111	06/12/25 11:42	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 21:50	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:40	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	241610	06/11/25 04:18	AGR	EET HOU
Dissolved	Analysis	7470A		1			242168	06/11/25 21:42	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:49	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 12:11	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	1 mL	200 mL	29170	06/06/25 15:43	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29167	06/06/25 14:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725304	07/01/25 16:48	CAH	EET SL
Total/NA	Prep	PrecSep-21			1000.57 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725732	07/03/25 07:24	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.57 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725542	07/02/25 09:59	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-7D

Date Collected: 06/02/25 12:55
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/10/25 03:08	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 11:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242111	06/12/25 11:43	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 22:00	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:43	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:51	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 12:16	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	1 mL	200 mL	29170	06/06/25 15:43	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29167	06/06/25 14:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725301	07/01/25 17:51	CAH	EET SL
Total/NA	Prep	PrecSep-21			1003.30 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725732	07/03/25 07:25	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.30 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725542	07/02/25 09:59	SWS	EET SL

Client Sample ID: FB-05

Date Collected: 06/02/25 18:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			241123	06/09/25 18:20	WP	EET HOU
Total/NA	Analysis	9056A		1			241390	06/10/25 11:28	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 11:38	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 22:05	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:45	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:52	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 12:21	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	29170	06/06/25 15:43	CJH	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29167	06/06/25 14:08	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725302	07/01/25 17:51	CAH	EET SL
Total/NA	Prep	PrecSep-21			1004.00 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725732	07/03/25 07:25	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: FB-05
Date Collected: 06/02/25 18:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1004.00 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725542	07/02/25 09:59	SWS	EET SL

Client Sample ID: FB-06
Date Collected: 06/04/25 13:45
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			241123	06/09/25 18:30	WP	EET HOU
Total/NA	Analysis	9056A		1			241390	06/10/25 11:35	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 11:40	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 22:07	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:48	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:56	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 12:24	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29169	06/06/25 15:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 mL	721729	06/10/25 12:56	CHM	EET SL
Total/NA	Analysis	901.1		1			725295	07/01/25 17:51	CAH	EET SL
Total/NA	Prep	PrecSep-21			1003.18 mL	1.0 g	721564	06/10/25 08:02	OGC	EET SL
Total/NA	Analysis	903.0		1			725732	07/03/25 07:25	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.18 mL	1.0 g	721565	06/10/25 08:05	OGC	EET SL
Total/NA	Analysis	904.0		1			725542	07/02/25 09:59	SWS	EET SL

Client Sample ID: MNW-15D
Date Collected: 06/05/25 11:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/10/25 03:34	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 11:52	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242111	06/12/25 12:00	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 22:09	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:50	DP	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: MNW-15D

Date Collected: 06/05/25 11:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:58	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 12:48	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	721951	06/11/25 15:19	SAC	EET SL
Total/NA	Analysis	901.1		1			725534	07/02/25 10:46	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.02 mL	1.0 g	721566	06/10/25 08:07	OGC	EET SL
Total/NA	Analysis	903.0		1			725543	07/02/25 20:17	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.02 mL	1.0 g	721567	06/10/25 08:09	OGC	EET SL
Total/NA	Analysis	904.0		1			725323	07/01/25 09:46	SWS	EET SL

Client Sample ID: MNW-11

Date Collected: 06/05/25 11:10
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			241176	06/10/25 04:01	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 11:54	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			242111	06/12/25 12:02	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 22:15	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:53	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 14:59	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 12:58	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	29252	06/10/25 18:40	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	721951	06/11/25 15:19	SAC	EET SL
Total/NA	Analysis	901.1		1			725535	07/02/25 12:36	ASA	EET SL
Total/NA	Prep	PrecSep-21			1003.10 mL	1.0 g	721566	06/10/25 08:07	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 20:18	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.10 mL	1.0 g	721567	06/10/25 08:09	OGC	EET SL
Total/NA	Analysis	904.0		1			725323	07/01/25 09:46	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Client Sample ID: FB-07

Date Collected: 06/05/25 12:30
Date Received: 06/06/25 09:35

Lab Sample ID: 870-36915-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			241123	06/09/25 19:50	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241757	06/11/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			242111	06/12/25 11:55	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			241747	06/10/25 22:20	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	241346	06/10/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			242069	06/11/25 16:56	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	241288	06/10/25 04:13	AGR	EET HOU
Total/NA	Analysis	7470A		1			241525	06/10/25 15:00	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			242186	06/12/25 13:08	AC	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	29216	06/09/25 17:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			29195	06/09/25 11:51	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	721951	06/11/25 15:19	SAC	EET SL
Total/NA	Analysis	901.1		1			725536	07/02/25 12:38	ASA	EET SL
Total/NA	Prep	PrecSep-21			1000.74 mL	1.0 g	721566	06/10/25 08:07	OGC	EET SL
Total/NA	Analysis	903.0		1			725524	07/02/25 20:18	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.74 mL	1.0 g	721567	06/10/25 08:09	OGC	EET SL
Total/NA	Analysis	904.0		1			725323	07/01/25 09:46	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-25

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-25

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-25

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: GCSES - CCR Compliance Groundwater Monitoring

Job ID: 870-36915-1
SDG: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-36915-1	SSP MW-3D	Water	06/03/25 12:30	06/06/25 09:35
870-36915-2	SFL MW-2D	Water	06/04/25 11:55	06/06/25 09:35
870-36915-3	AP PZ-4S	Water	06/03/25 14:25	06/06/25 09:35
870-36915-4	MNWK-17	Water	06/03/25 16:40	06/06/25 09:35
870-36915-5	SSP MW-2D	Water	06/02/25 13:40	06/06/25 09:35
870-36915-6	SSP MW-6S	Water	06/02/25 17:20	06/06/25 09:35
870-36915-7	SSP MW-5D	Water	06/03/25 11:50	06/06/25 09:35
870-36915-8	MNW-17	Water	06/03/25 15:55	06/06/25 09:35
870-36915-9	AP MWT-3D	Water	06/02/25 13:45	06/06/25 09:35
870-36915-10	AP MW-3D	Water	06/02/25 12:45	06/06/25 09:35
870-36915-11	AP MW-5D	Water	06/02/25 18:55	06/06/25 09:35
870-36915-12	SFL MW-3D	Water	06/04/25 11:45	06/06/25 09:35
870-36915-13	SSP MW-6D	Water	06/03/25 12:00	06/06/25 09:35
870-36915-14	SFL MWT-5D	Water	06/03/25 17:10	06/06/25 09:35
870-36915-15	SFL MW-5D	Water	06/03/25 16:20	06/06/25 09:35
870-36915-16	SSP MWK-5D	Water	06/03/25 12:50	06/06/25 09:35
870-36915-17	AP MW-7S	Water	06/02/25 18:20	06/06/25 09:35
870-36915-18	AP MW-7D	Water	06/02/25 12:55	06/06/25 09:35
870-36915-19	FB-05	Water	06/02/25 18:30	06/06/25 09:35
870-36915-20	FB-06	Water	06/04/25 13:45	06/06/25 09:35
870-36915-21	MNW-15D	Water	06/05/25 11:30	06/06/25 09:35
870-36915-22	MNW-11	Water	06/05/25 11:10	06/06/25 09:35
870-36915-23	FB-07	Water	06/05/25 12:30	06/06/25 09:35

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	MHB, ESF, CSS	Whitlock, Kaitlyn N		870-13017-4217.1
Client Contact: Mattison Barickman	Phone: (720) 385-4021	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin	Page: Page 3 of 3
Company: HDR Engineering, Inc.	PWSID:			Job #

Address: 1670 Broadway, Suite 3400	Due Date Requested:	Analysis Requested
City: Denver	TAT Requested (business days): 10 days (25 days for radium)	
State, Zip: CO, 80202	Compliance Project: Δ Yes Δ No	
Phone: (720) 385-4021	PO #: 10290418	
Email: matt.barickman@hdrinc.com	WO #:	
Project Name: GCSES - CCR Compliance Groundwater Mo	Project #: 87002063	
Site: Gibbons Creek Steam Electric Station	SSOW#:	

Preservation Codes: D - HNO3; N - None; Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	200.7, 200.8, 245.1 Total Metals	200.7, 200.8, 245.1 Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/No
			Preservation Code:				D	D	N	N	N	D	D	N	N						
SSP MW-3D	6/3/2025	12:30	G	W	N	N	X	X	X	X	X	X		X	X					7	
SFL MW-2D	6/4/2025	11:55	G	W	N	N	X	X	X	X	X	X		X	X					7	
AP PZ-4S	6/3/2025	14:25	G	W	N	N	X	X	X	X	X	X		X	X					7	
MNWK-17	6/3/2025	16:40	G	W	N	N	X	X	X	X	X	X		X	X					7	
SSP MW-2D	6/2/2025	13:40	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
SSP MW-6S	6/2/2025	17:20	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
SSP MW-5D	6/3/2025	11:50	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
MNW-17	6/3/2025	15:55	G	W	N	N	X	X	X	X	X	X		X	X					7	
AP MWT-3D	6/2/2025	13:45	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
AP MW-3D	6/2/2025	12:45	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
AP MW-5D	6/2/2025	18:55	G	W	N	N	X	X	X	X	X	X		X	X					7	

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 X Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (sp

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Matt Barickman	6/5/25 1650	HDR	[signature]	6/6/25 9:35	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
			[signature] TV 6/6/25		
Relinquished by	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1.4 | 1.5

Cooler Temperature(s) °C and Other Remarks: 1.6 | 1.7 1.6 | 1.7 1.2 | 1.3 1.0 | 1.1 2.2 | 2.1 0.8 | 0.9 0.8 | 0.9

THM - 027 +0.1

870-36915 Chain of Custody

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
	MHB, ESF, CSS	Whitlock, Kaitlyn N		870-13017-4217.1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Mattison Barickman	(720) 385-4021	Kaitlyn.Whitlock@et.eurofinsus.com		Page 2 of 3
Company	**PWSID**			**Job #**
HDR Engineering, Inc.				

Address	Due Date Requested:
1670 Broadway, Suite 3400	
City	**TAT Requested (business days):**
Denver	10 days (25 days for radium)
State, Zip	**Compliance Project:** Δ Yes Δ No
CO, 80202	
Phone	**PO #**
(720) 385-4021	10290418
Email	**WO #**
mattison.barickman@hdrinc.com	
Project Name:	**Project #**
GCSES - CCR Compliance Groundwater Mo	87002063
Site	**SSOW#**
Gibbons Creek Steam Electric Station	

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastetoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	200.7, 200.8, 245.1 Total Metals	200.7, 200.8, 245.1 Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/No
			Preservation Code:				D	D	N	N	N	D	D	N	N						
SFL MW-3D	6/4/2025	11:45	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
SSP MW-6D	6/3/2025	12:00	G	W	N	N	X	X	X	X	X	X		X	X					7	
SFL MWT-5D	6/3/2025	17:10	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
SFL MW-5D	6/3/2025	16:20	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
SSP MWK-5D	6/3/2025	12:50	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
AP MW-7S	6/2/2025	18:20	G	W	Y	N	X	X	X	X	X	X	X	X	X					8	
AP MW-7D	6/2/2025	12:55	G	W	N	N	X	X	X	X	X	X		X	X					7	
FB-05	6/2/2025	18:30	G	W	N	N	X	X	X	X	X	X		X	X					7	
FB-06	6/4/2025	13:45	G	W	N	N	X	X	X	X	X	X		X	X					8	
MNW-15D	6/5/2025	11:30	G	W	N	N	X	X	X	X	X	X		X	X					7	
MNW-11	6/5/2025	11:10	G	W	N	N	X	X	X	X	X	X		X	X					7	

Preservation Codes:
D - HNO3
N - None
Other:

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 (sp

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Matt Kaczmarek	6/5/25 1650	HDR		6/6/25 935	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

7/16/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	MHB, ESF, CSS	Whitlock, Kaitlyn N		870-13017-4217.1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Mattison Barickman	(720) 385-4021	Kaitlyn.Whitlock@et.eurofinsus.com		Page 3 of 3
Company	**PWSID**			**Job #**
HDR Engineering, Inc.				

Address	Due Date Requested:
1670 Broadway, Suite 3400	
City	**TAT Requested (business days):**
Denver	10 days (25 days for radium)
State, Zip	**Compliance Project:** Δ Yes Δ No
CO, 80202	
Phone	**PO #**
(720) 385-4021	10290418
Email	**WO #**
[redacted]	
Project Name	**Project #**
GCSES - CCR Compliance Groundwater Mo	87002063
Site	**SSOW#**
Gibbons Creek Steam Electric Station	

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	200.7, 200.8, 245.1 Total Metals	200.7, 200.8, 245.1 Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/Note
			Preservation Code:				D	D	N	N	N	D	D	N	N						
FB-07	6/5/2025	12:30	G	W	N	N	X	X	X	X	X	X		X	X					7	

Preservation Codes:
D - HNO3
N - None
Other:

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 (sp

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Matt Kaczmarek	6/5/25 1650	HDR	[signature]	6/6/25 935	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8485.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-36915-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/13/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	901.1_Ra/Fill_Geo_21 (MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SSP MW-3D (870-36915-1)	6/3/25	12:30 Central	G	Water			X	X	X	2	
SFL MW-2D (870-36915-2)	6/4/25	11:55 Central	G	Water			X	X	X	2	
AP PZ-4S (870-36915-3)	6/3/25	14:25 Central	G	Water			X	X	X	2	
MNWK-17 (870-36915-4)	6/3/25	16:40 Central	G	Water			X	X	X	2	
SSP MW-2D (870-36915-5)	6/2/25	13:40 Central	G	Water			X	X	X	2	
SSP MW-6S (870-36915-6)	6/2/25	17:20 Central	G	Water			X	X	X	2	
SSP MW-5D (870-36915-7)	6/3/25	11:50 Central	G	Water			X	X	X	2	
MNW-17 (870-36915-8)	6/3/25	15:55 Central	G	Water			X	X	X	2	
AP MWT-3D (870-36915-9)	6/2/25	13:45 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	06/06/25 1700				
Relinquished by:	Date/Time:	Company	Received by: JUN 06 2025 M. Pinette	Date/Time: JUN 09 2025 0820	Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

7/16/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8485.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-36915-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/13/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	901.1_Ra/Fill_Geo_21 (MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP MW-3D (870-36915-10)	6/2/25	12:45 Central	G	Water			X	X	X	2	
AP MW-5D (870-36915-11)	6/2/25	18:55 Central	G	Water			X	X	X	2	
SFL MW-3D (870-36915-12)	6/4/25	11:45 Central	G	Water			X	X	X	2	
SSP MW-6D (870-36915-13)	6/3/25	12:00 Central	G	Water			X	X	X	2	
SFL MWT-5D (870-36915-14)	6/3/25	17:10 Central	G	Water			X	X	X	2	
SFL MW-5D (870-36915-15)	6/3/25	16:20 Central	G	Water			X	X	X	2	
SSP MWK-5D (870-36915-16)	6/3/25	12:50 Central	G	Water			X	X	X	2	
AP MW-7S (870-36915-17)	6/2/25	18:20 Central	G	Water			X	X	X	2	
AP MW-7D (870-36915-18)	6/2/25	12:55 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	06/06/25 - 1700				
Relinquished by:	Date/Time:	Company	Received by: JUN 06 2025 M. Pinette	Date/Time: JUN 09 2025 0820	Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

7/16/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8485.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-36915-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/13/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES - CCR Compliance Groundwater	Project #: 87002063			Other: N/A
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	901.1_Ra/Fill_Geo_21 (MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FB-05 (870-36915-19)	6/2/25	18:30 Central	G	Water			X	X	X	2	
FB-06 (870-36915-20)	6/4/25	13:45 Central	G	Water			X	X	X	2	
MNW-15D (870-36915-21)	6/5/25	11:30 Central	G	Water			X	X	X	2	
MNW-11 (870-36915-22)	6/5/25	11:10 Central	G	Water			X	X	X	2	
FB-07 (870-36915-23)	6/5/25	12:30 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	06/06/25-1700		JUN 06 2025		
Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: JUN 09 2025 0820	Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

7/16/2025

eurofins Environment Testing

Chain of Custody Record

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

7/16/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8492.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr	Due Date Requested: 6/12/2025	Accreditations Required (See note): NELAP Texas		Job #: 870-36915-1
Address: 4145 Greenbriar Dr	TAT Requested (days): N/A			Preservation Codes:
City: Stafford				
State, Zip: TX, 77477	PO #: N/A			
Phone: 281-240-4200(Tel)	WO #: N/A			
Email: N/A	Project #: 87002063			Other: N/A
Project Name: GCSES CCR Compliance Groundwater	SSOW#: N/A			
Site: N/A				

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A (MOD) CCR Appendix III/IV	7470A/7470A_Prep Mercury	9056A_ORGFM_28D/ (MOD) Local Method	6020B/3010A (MOD) Aluminum & Iron	6010D/3010A (MOD) Li + Minerals	2320B	6010D/FIELD_FLTRD Dissolved Metals	7470A/FIELD_FLTRD Dissolved Mercury	6010D/FIELD_FLTRD Dissolved Metals (Hold)	7470A/FIELD_FLTRD Dissolved Mercury (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:															
SSP MW-3D (870-36915-1)	6/3/25	12:30 Central	G	Water			X	X	X	X	X	X					3	
SFL MW-2D (870-36915-2)	6/4/25	11:55 Central	G	Water			X	X	X	X	X	X					3	
AP PZ-4S (870-36915-3)	6/3/25	14:25 Central	G	Water			X	X	X	X	X	X					3	
MNWK-17 (870-36915-4)	6/3/25	16:40 Central	G	Water			X	X	X	X	X	X					3	
SSP MW-2D (870-36915-5)	6/2/25	13:40 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-6S (870-36915-6)	6/2/25	17:20 Central	G	Water			X	X	X	X	X	X			X	X	3	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-5D (870-36915-7)	6/3/25	11:50 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg
MNW-17 (870-36915-8)	6/3/25	15:55 Central	G	Water			X	X	X	X	X	X					3	
AP MWT-3D (870-36915-9)	6/2/25	13:45 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
Unconfirmed

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) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time:

Method of Shipment:

Relinquished by:	Date/Time: 06/06/25 1710	Company	Received by: JUN 06 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/7/25 0800	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR Hum 368 2.2° and 3.1°

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

7/16/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8492.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-36915-1
Address: 4145 Greenbriar Dr	Due Date Requested: 6/12/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477	PO #: N/A			
Phone: 281-240-4200(Tel)	WO #: N/A			
Email: N/A	Project #: 87002063			
Project Name: GCSES CCR Compliance Groundwater	SSOW#: N/A			Other: N/A
Site: N/A				

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A (MOD) CCR Appendix III/IV	7470A/7470A_Prep Mercury	9056A_ORGFM_28D/ (MOD) Local Method	6020B/3010A (MOD) Aluminum & Iron	6010D/3010A (MOD) LI + Minerals	2320B	6010D/FIELD_FLTRD Dissolved Metals	7470A/FIELD_FLTRD Dissolved Mercury	6010D/FIELD_FLTRD Dissolved Metals (Hold)	7470A/FIELD_FLTRD Dissolved Mercury (Hold)	Total Number of Containers	Special Instructions/Note:
			Preservation Code:															
AP MW-3D (870-36915-10)	6/2/25	12:45 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MW-5D (870-36915-11)	6/2/25	18:55 Central	G	Water			X	X	X	X	X	X					3	
SFL MW-3D (870-36915-12)	6/4/25	11:45 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-6D (870-36915-13)	6/3/25	12:00 Central	G	Water			X	X	X	X	X	X					3	
SFL MWT-5D (870-36915-14)	6/3/25	17:10 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg
SFL MW-5D (870-36915-15)	6/3/25	16:20 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MWK-5D (870-36915-16)	6/3/25	12:50 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MW-7S (870-36915-17)	6/2/25	18:20 Central	G	Water			X	X	X	X	X	X	X	X			4	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MW-7D (870-36915-18)	6/2/25	12:55 Central	G	Water			X	X	X	X	X	X					3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***	
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*	
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:	
Empty Kit Relinquished by:	Date:	Time:
Relinquished by:	Date/Time: 06/06/25 1710	Company
Relinquished by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company

Method of Shipment:

Received by: JUN 06 '25	Date/Time:	Company
Received by:	Date/Time:	Company
Received by:	Date/Time: 6/7/25 0800	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

7/16/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8492.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-36915-1
Address: 4145 Greenbriar Dr	Due Date Requested: 6/12/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: GCSES CCR Compliance Groundwater	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A (MOD) CCR Appendix III/IV	7470A/7470A_Prep Mercury	9056A_ORGFM_28D/ (MOD) Local Method	6020B/3010A (MOD) Aluminum & Iron	6010D/3010A (MOD) Li + Minerals	2320B	6010D/FIELD_FLTRD Dissolved Metals	7470A/FIELD_FLTRD Dissolved Mercury	6010D/FIELD_FLTRD Dissolved Metals (Hold)	7470A/FIELD_FLTRD Dissolved Mercury (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:															
FB-05 (870-36915-19)	6/2/25	18:30 Central	G	Water			X	X	X	X	X	X					3	
FB-06 (870-36915-20)	6/4/25	13:45 Central	G	Water			X	X	X	X	X	X					3	
MNW-15D (870-36915-21)	6/5/25	11:30 Central	G	Water			X	X	X	X	X	X					3	
MNW-11 (870-36915-22)	6/5/25	11 10 Central	G	Water			X	X	X	X	X	X					3	
FB-07 (870-36915-23)	6/5/25	12:30 Central	G	Water			X	X	X	X	X	X					3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 06/06/25-1700	Company	Received by: JUN 06 2025
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by: Date/Time: 6/7/25 0820 Company

Custody Seals Intact: △ Yes △ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36915-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36915
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36915-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36915
List Number: 2
Creator: Grandits, Corey

List Source: Eurofins Houston
List Creation: 06/07/25 10:13 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-36915-1
SDG Number: Gibbons Creek Steam Electric Station

Login Number: 36915
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 06/09/25 11:40 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

July 2025 Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 8/26/2025 9:44:55 AM

JOB DESCRIPTION

Appendix III/IV

JOB NUMBER

870-38331-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

my EOL

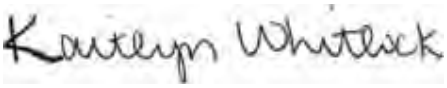
Eurofins Dallas

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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8/26/2025 9:44:55 AM

Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

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

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
870-38331-1

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 7/22/2025 10:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.1°C, 0.3°C, 0.3°C, 0.5°C, 1.3°C and 1.3°C.

HPLC/IC
Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSP MW-2D (870-38331-1), AP MW-3D (870-38331-2), SSP MW-5D (870-38331-4), SSP MW-5S (870-38331-5), SSP MW-6S (870-38331-6), SSP MW-6D (870-38331-7), AP MW-1 (870-38331-8), AP MWT-1 FD-1 (870-38331-9) and SSP MW-3D (870-38331-10). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 860-250556 contained Sulfate above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-250556 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9056A_ORGFM_28D: The instrument blank/CCB for analytical batch 860-250792 contained Sulfate greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been qualified and reported.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSP MW-4S (870-38331-15), SSP MWT-4S FD-2 (870-38331-16), SSP PZ-4S (870-38331-17) and AP MW-4S (870-38331-18). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-250792 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 860-251091 contained Sulfate above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: AP MW-7S (870-38331-11) and AP MW-7D (870-38331-12). Elevated reporting limits (RLs) are provided.

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

Method SM4500_H+: The following samples were received outside of holding time: SSP MW-2D (870-38331-1), AP MW-3D (870-38331-2), FB-1 (870-38331-3), SSP MW-5D (870-38331-4), SSP MW-5S (870-38331-5), SSP MW-6S (870-38331-6), SSP MW-6D (870-38331-7), AP MW-1 (870-38331-8), AP MWT-1 FD-1 (870-38331-9), SSP MW-3D (870-38331-10), AP MW-7S (870-38331-11), AP MW-7D (870-38331-12), EB-01 (870-38331-13), FB-02 (870-38331-14), SSP MW-4S (870-38331-15), SSP MWT-4S FD-2 (870-38331-16), SSP PZ-4S (870-38331-17) and AP MW-4S (870-38331-18). pH is a field test parameter with 15 minute holding time.

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 729084
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226 and Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-729084/1-A).

Method 901.1_Ra: Gamma Batch 729084
The detection goal of 50.0 pCi/L was not met for Ra-226 and/or Ra-228 for the following samples. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and/or Ra-228 are well below the RL and MDC.
SSP MW-2D (870-38331-1), AP MW-3D (870-38331-2), FB-1 (870-38331-3), SSP MW-5D (870-38331-4), SSP MW-5S (870-38331-5), SSP MW-6S (870-38331-6), AP MW-1 (870-38331-8), AP MWT-1 FD-1 (870-38331-9), SSP MW-3D (870-38331-10), AP MW-7S (870-38331-11), AP MW-7D (870-38331-12), FB-02 (870-38331-14), AP MW-4S (870-38331-18) and (870-38331-A-1-B DU)

Method 901.1_Ra: Gamma Batch 729084
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SSP MW-2D (870-38331-1), AP MW-3D (870-38331-2), FB-1 (870-38331-3), SSP MW-5D (870-38331-4), SSP MW-5S (870-38331-5), SSP MW-6S (870-38331-6), SSP MW-6D (870-38331-7), AP MW-1 (870-38331-8), AP MWT-1 FD-1 (870-38331-9), SSP MW-3D (870-38331-10), AP MW-7S (870-38331-11), AP MW-7D (870-38331-12), EB-01 (870-38331-13), FB-02 (870-38331-14), SSP MW-4S (870-38331-15), SSP MWT-4S FD-2 (870-38331-16), SSP PZ-4S (870-38331-17), AP

MW-4S (870-38331-18) and (870-38331-A-1-B DU)

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

Gas Flow Proportional Counter
Method 903.0: Radium 226 Prep Batch 160-728733

Insufficient sample volume was available to perform a sample duplicate for the following samples: AP MW-3D (870-38331-2), FB-1 (870-38331-3), SSP MW-5S (870-38331-5), SSP MW-6S (870-38331-6), SSP MW-6D (870-38331-7), AP MW-1 (870-38331-8), AP MWT-1 FD-1 (870-38331-9), AP MW-7S (870-38331-11), AP MW-7D (870-38331-12), EB-01 (870-38331-13), FB-02 (870-38331-14) and SSP PZ-4S (870-38331-17). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 Prep Batch 160-728734

Insufficient sample volume was available to perform a sample duplicate for the following samples: AP MW-3D (870-38331-2), FB-1 (870-38331-3), SSP MW-5S (870-38331-5), SSP MW-6S (870-38331-6), SSP MW-6D (870-38331-7), AP MW-1 (870-38331-8), AP MWT-1 FD-1 (870-38331-9), AP MW-7S (870-38331-11), AP MW-7D (870-38331-12), EB-01 (870-38331-13), FB-02 (870-38331-14) and SSP PZ-4S (870-38331-17). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

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

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Client Sample ID: SSP MW-2D

Date Collected: 07/17/25 16:25
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2560**		5.00	2.50	mg/L			07/23/25 17:16	10
Fluoride	<1.00	U	5.00	1.00	mg/L			07/23/25 17:16	10
Sulfate	**2090**		5.00	2.00	mg/L			07/23/25 17:16	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.454**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 10:29	1
Calcium	**690**		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 10:37	50
Magnesium	**117**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 10:29	1
Potassium	**55.7**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 10:29	1
Sodium	**1000**		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 10:37	50
Lithium	**0.349**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 10:29	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.926**		0.200	0.0352	mg/L		07/24/25 09:30	07/24/25 15:15	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		07/24/25 09:30	07/24/25 15:15	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		07/24/25 09:30	07/24/25 15:15	1
Barium	**0.0297**		0.0100	0.00125	mg/L		07/24/25 09:30	07/24/25 15:15	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		07/24/25 09:30	07/24/25 15:15	1
Boron	**0.489**		0.0500	0.0162	mg/L		07/24/25 09:30	07/24/25 15:15	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		07/24/25 09:30	07/24/25 15:15	1
Calcium	**735**		10.0	5.08	mg/L		07/24/25 09:30	07/24/25 15:24	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		07/24/25 09:30	07/24/25 15:15	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		07/24/25 09:30	07/24/25 15:15	1
Iron	**2.33**		0.200	0.0283	mg/L		07/24/25 09:30	07/24/25 15:15	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		07/24/25 09:30	07/24/25 15:15	1
Magnesium	**126**		0.200	0.0445	mg/L		07/24/25 09:30	07/24/25 15:15	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		07/24/25 09:30	07/24/25 15:15	1
Potassium	**61.0**		0.500	0.106	mg/L		07/24/25 09:30	07/24/25 15:15	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		07/24/25 09:30	07/24/25 15:15	1
Sodium	**1080**		25.0	7.59	mg/L		07/24/25 09:30	07/24/25 15:24	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		07/24/25 09:30	07/24/25 15:15	1
Li	**0.252**		0.0400	0.0174	mg/L		07/24/25 09:30	07/24/25 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.967**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:26	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:26	1
Arsenic	**0.00205**	**J**	0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:26	1
Barium	**0.0314**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:26	1
Beryllium	**0.000443**	**J**	0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:26	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:26	1
Chromium	**0.000992**	**J**	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:26	1
Cobalt	**0.000941**	**J**	0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:26	1
Iron	**2.38**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:26	1
Lead	**0.000987**	**J**	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:26	1
Molybdenum	**0.000369**	**J**	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:26	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:26	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:26	1

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-38331-1
Date Collected: 07/17/25 16:25
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:08	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:50	07/24/25 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**78.7**		4.00	4.00	mg/L			07/23/25 12:34	1
Total Dissolved Solids (SM 2540C)	**6380**		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**5.6**	**HF**			SU			07/29/25 14:01	1
Temperature (SM 4500 H+ B)	**23.7**	**HF**			Celsius			07/29/25 14:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-2.73	U G	35.0	35.0	50.0	60.5	pCi/L	07/26/25 16:31	08/18/25 15:47	1
Radium-228	-0.597	U	27.5	27.5	50.0	48.5	pCi/L	07/26/25 16:31	08/18/25 15:47	1
Combined Radium 226 + 228	-3.33	U	44.5	44.5		60.5	pCi/L	07/26/25 16:31	08/18/25 15:47	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.663**		0.337	0.342	1.00	0.406	pCi/L	07/24/25 08:15	08/15/25 14:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.76**		0.558	0.581	1.00	0.633	pCi/L	07/24/25 08:24	08/15/25 10:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*
Y Carrier	*77.4*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*

Client Sample ID: AP MW-3D
Lab Sample ID: 870-38331-2
Date Collected: 07/17/25 12:15
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		0.500	0.250	mg/L			07/23/25 17:54	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/23/25 17:54	1

Client Sample Results

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Client Sample ID: AP MW-3D

Date Collected: 07/17/25 12:15
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**805**		5.00	2.00	mg/L			07/23/25 18:03	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.11**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 10:31	1
Calcium	**134**		0.200	0.102	mg/L		07/23/25 13:30	07/24/25 10:31	1
Magnesium	**17.7**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 10:31	1
Potassium	**14.8**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 10:31	1
Sodium	**193**		0.500	0.152	mg/L		07/23/25 13:30	07/24/25 10:31	1
Lithium	**0.114**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.46**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:28	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:28	1
Arsenic	**0.00967**		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:28	1
Barium	**0.0497**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:28	1
Beryllium	**0.00156**	**J**	0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:28	1
Cadmium	**0.000574**	**J**	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:28	1
Chromium	**0.00158**	**J**	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:28	1
Cobalt	**0.0335**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:28	1
Iron	**4.47**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:28	1
Lead	**0.00357**		0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:28	1
Molybdenum	**0.00132**	**J**	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:28	1
Selenium	**0.00159**	**J**	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:28	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**26.9**		4.00	4.00	mg/L			07/23/25 12:46	1
Total Dissolved Solids (SM 2540C)	**1610**		5.00	5.00	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**5.4**	**HF**			SU			07/29/25 14:01	1
Temperature (SM 4500 H+ B)	**24.2**	**HF**			Celsius			07/29/25 14:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-3.26	U G	31.8	31.8	50.0	55.4	pCi/L	07/26/25 16:31	08/18/25 17:17	1
Radium-228	10.0	U	26.5	26.5	50.0	43.9	pCi/L	07/26/25 16:31	08/18/25 17:17	1
Combined Radium 226 + 228	6.77	U	41.4	41.4		55.4	pCi/L	07/26/25 16:31	08/18/25 17:17	1

Client Sample ID: AP MW-3D
Lab Sample ID: 870-38331-2
Date Collected: 07/17/25 12:15
Matrix: Water
Date Received: 07/22/25 10:04

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.238	U	0.200	0.201	1.00	0.291	pCi/L	07/24/25 08:15	08/15/25 14:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.90**		0.553	0.580	1.00	0.632	pCi/L	07/24/25 08:24	08/15/25 10:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*
Y Carrier	*75.9*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*

Client Sample ID: FB-1
Lab Sample ID: 870-38331-3
Date Collected: 07/17/25 13:00
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U F1	0.500	0.250	mg/L			07/23/25 18:13	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/23/25 18:13	1
Sulfate	**0.303**	**J**	0.500	0.200	mg/L			07/23/25 18:13	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 10:32	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/23/25 13:30	07/24/25 10:32	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 10:32	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/23/25 13:30	07/24/25 10:32	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/23/25 13:30	07/24/25 10:32	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 10:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:31	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:31	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:31	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:31	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:31	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:31	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:31	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:31	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:31	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:31	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:31	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:31	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:31	1

Client Sample ID: FB-1
Lab Sample ID: 870-38331-3
Date Collected: 07/17/25 13:00
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/23/25 12:58	1
Total Dissolved Solids (SM 2540C)	**1360**		10.0	10.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**6.7**	**HF**			SU			07/29/25 14:01	1
Temperature (SM 4500 H+ B)	**22.8**	**HF**			Celsius			07/29/25 14:01	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-1.35	U G	7.29	7.29	50.0	56.2	pCi/L	07/26/25 16:31	08/18/25 17:17	1
Radium-228	13.3	U	32.7	32.7	50.0	48.5	pCi/L	07/26/25 16:31	08/18/25 17:17	1
Combined Radium 226 + 228	11.9	U	33.5	33.5		56.2	pCi/L	07/26/25 16:31	08/18/25 17:17	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0690	U	0.142	0.142	1.00	0.334	pCi/L	07/24/25 08:15	08/15/25 14:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.644**		0.381	0.385	1.00	0.543	pCi/L	07/24/25 08:24	08/15/25 10:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*
Y Carrier	*71.4*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-38331-4
Date Collected: 07/17/25 09:25
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1300**		2.50	1.25	mg/L			07/23/25 18:41	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/23/25 18:41	5
Sulfate	**216**		2.50	1.00	mg/L			07/23/25 18:41	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.482**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 10:48	1
Calcium	**186**		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 10:56	50
Magnesium	**30.0**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 10:48	1

Client Sample ID: SSP MW-5D

Date Collected: 07/17/25 09:25
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-4

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**25.2**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 10:48	1
Sodium	**565**		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 10:56	50
Lithium	**0.288**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 10:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.564**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:34	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:34	1
Arsenic	**0.000837**	**J**	0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:34	1
Barium	**0.0452**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:34	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:34	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:34	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:34	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:34	1
Iron	**0.957**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:34	1
Lead	**0.000390**	**J**	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:34	1
Molybdenum	**0.000743**	**J**	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:34	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:34	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**306**		4.00	4.00	mg/L			07/23/25 13:02	1
Total Dissolved Solids (SM 2540C)	**2760**		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**6.7**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.8**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	23.4	U G	14.2	14.4	50.0	55.9	pCi/L	07/26/25 16:31	08/18/25 17:16	1
Radium-228	13.1	U	28.7	28.8	50.0	46.1	pCi/L	07/26/25 16:31	08/18/25 17:16	1
Combined Radium 226 + 228	36.5	U	32.0	32.2		55.9	pCi/L	07/26/25 16:31	08/18/25 17:16	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.845**		0.387	0.394	1.00	0.454	pCi/L	07/24/25 08:15	08/15/25 14:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:53*	*1*

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-38331-4
Date Collected: 07/17/25 09:25
Matrix: Water
Date Received: 07/22/25 10:04

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.88		0.600	0.625	1.00	0.677	pCi/L	07/24/25 08:24	08/15/25 10:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*
Y Carrier	*75.1*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*

Client Sample ID: SSP MW-5S
Lab Sample ID: 870-38331-5
Date Collected: 07/17/25 09:05
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1980		2.50	1.25	mg/L			07/23/25 19:00	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/23/25 19:00	5
Sulfate	903		2.50	1.00	mg/L			07/23/25 19:00	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.205		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 10:49	1
Calcium	417		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 10:58	50
Magnesium	87.6		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 10:49	1
Potassium	31.5		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 10:49	1
Sodium	955		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 10:58	50
Lithium	0.230		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0379		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:37	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:37	1
Arsenic	0.0109		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:37	1
Barium	0.0291		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:37	1
Beryllium	0.00263		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:37	1
Cadmium	0.00107	J	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:37	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:37	1
Cobalt	0.0433		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:37	1
Iron	2.69		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:37	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:37	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:37	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:37	1
Thallium	0.000829	J	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	37.9		4.00	4.00	mg/L			07/23/25 13:08	1
Total Dissolved Solids (SM 2540C)	4700		20.0	20.0	mg/L			07/23/25 11:18	1

Client Sample ID: SSP MW-5S
Lab Sample ID: 870-38331-5
Date Collected: 07/17/25 09:05
Matrix: Water
Date Received: 07/22/25 10:04

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	5.1	HF			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	22.7	HF			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.55	U G	6.28	6.29	50.0	72.6	pCi/L	07/26/25 16:31	08/18/25 18:41	1
Radium-228	10.5	U G	35.7	35.7	50.0	57.9	pCi/L	07/26/25 16:31	08/18/25 18:41	1
Combined Radium 226 + 228	14.0	U	36.2	36.2		72.6	pCi/L	07/26/25 16:31	08/18/25 18:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.829		0.291	0.301	1.00	0.260	pCi/L	07/24/25 08:15	08/15/25 14:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.43		0.534	0.579	1.00	0.526	pCi/L	07/24/25 08:24	08/15/25 10:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*
Y Carrier	*78.9*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*

Client Sample ID: SSP MW-6S
Lab Sample ID: 870-38331-6
Date Collected: 07/17/25 11:35
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		2.50	1.25	mg/L			07/23/25 19:56	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/23/25 19:56	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2710		25.0	10.0	mg/L			07/23/25 20:05	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.392		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 10:51	1
Calcium	555		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:00	50
Magnesium	145		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 10:51	1
Potassium	45.4		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 10:51	1
Sodium	945		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 11:00	50
Lithium	0.305		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 10:51	1

Client Sample ID: SSP MW-6S

Date Collected: 07/17/25 11:35
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.384**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:39	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:39	1
Arsenic	**0.00202**	**J**	0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:39	1
Barium	**0.0167**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:39	1
Beryllium	**0.0418**		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:39	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:39	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:39	1
Cobalt	**0.00800**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:39	1
Iron	**5.99**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:39	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:39	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:39	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:39	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**58.4**		4.00	4.00	mg/L			07/23/25 13:25	1
Total Dissolved Solids (SM 2540C)	**6470**		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**5.3**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.8**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	15.3	U G	12.8	12.9	50.0	52.0	pCi/L	07/26/25 16:31	08/18/25 18:43	1
Radium-228	25.4	U	23.8	24.0	50.0	36.3	pCi/L	07/26/25 16:31	08/18/25 18:43	1
Combined Radium 226 + 228	40.7	U	27.0	27.2		52.0	pCi/L	07/26/25 16:31	08/18/25 18:43	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.550**		0.267	0.272	1.00	0.313	pCi/L	07/24/25 08:15	08/15/25 14:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.78**		0.576	0.630	1.00	0.506	pCi/L	07/24/25 08:24	08/15/25 10:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*

Client Sample ID: SSP MW-6S
Lab Sample ID: 870-38331-6
Date Collected: 07/17/25 11:35
Matrix: Water
Date Received: 07/22/25 10:04

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	73.6		30 - 110	07/24/25 08:24	08/15/25 10:51	1

Client Sample ID: SSP MW-6D
Lab Sample ID: 870-38331-7
Date Collected: 07/17/25 13:30
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		2.50	1.25	mg/L			07/23/25 20:15	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/23/25 20:15	5
Sulfate	**1050**		2.50	1.00	mg/L			07/23/25 20:15	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.506**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 10:53	1
Calcium	**358**		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:01	50
Magnesium	**63.0**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 10:53	1
Potassium	**44.2**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 10:53	1
Sodium	**825**		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 11:01	50
Lithium	**0.255**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 10:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:48	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:48	1
Arsenic	**0.000814**	**J**	0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:48	1
Barium	**0.0415**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:48	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:48	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:48	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:48	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:48	1
Iron	**1.62**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:48	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:48	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:48	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:48	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**269**		4.00	4.00	mg/L			07/23/25 13:31	1
Total Dissolved Solids (SM 2540C)	**3840**		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**24.1**	**HF**			Celsius			07/29/25 14:02	1

Client Sample ID: SSP MW-6D

Date Collected: 07/17/25 13:30
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-7
Matrix: Water

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	23.0	U	23.1	23.2	50.0	30.1	pCi/L	07/26/25 16:31	08/18/25 18:41	1
Radium-228	10.7	U	24.6	24.6	50.0	40.8	pCi/L	07/26/25 16:31	08/18/25 18:41	1
Combined Radium 226 + 228	33.8	U	33.7	33.8		40.8	pCi/L	07/26/25 16:31	08/18/25 18:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.702**		0.300	0.307	1.00	0.337	pCi/L	07/24/25 08:15	08/15/25 14:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.68**		0.701	0.778	1.00	0.660	pCi/L	07/24/25 08:24	08/15/25 10:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*
Y Carrier	*70.3*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*

Client Sample ID: AP MW-1

Date Collected: 07/17/25 16:10
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-8
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**306**		0.500	0.250	mg/L			07/23/25 20:34	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/23/25 20:34	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**788**		5.00	2.00	mg/L			07/23/25 20:43	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.98**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 10:55	1
Calcium	**160**		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:03	50
Magnesium	**33.9**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 10:55	1
Potassium	**11.1**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 10:55	1
Sodium	**367**		0.500	0.152	mg/L		07/23/25 13:30	07/24/25 10:55	1
Lithium	**0.116**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0219**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:50	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:50	1

Client Sample ID: AP MW-1

Date Collected: 07/17/25 16:10
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00425**		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:50	1
Barium	**0.0537**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:50	1
Beryllium	**0.00617**		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:50	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:50	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:50	1
Cobalt	**0.119**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:50	1
Iron	**5.06**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:50	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:50	1
Molybdenum	**0.00304**		0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:50	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:50	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**76.5**		4.00	4.00	mg/L			07/23/25 13:37	1
Total Dissolved Solids (SM 2540C)	**2030**		10.0	10.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**5.5**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.8**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-4.20	U G	10.2	10.2	50.0	61.0	pCi/L	07/26/25 16:31	08/18/25 18:40	1
Radium-228	10.0	U	26.5	26.5	50.0	43.9	pCi/L	07/26/25 16:31	08/18/25 18:40	1
Combined Radium 226 + 228	5.83	U	28.4	28.4		61.0	pCi/L	07/26/25 16:31	08/18/25 18:40	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.19**		0.353	0.369	1.00	0.296	pCi/L	07/24/25 08:15	08/15/25 14:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.87**		0.661	0.751	1.00	0.548	pCi/L	07/24/25 08:24	08/15/25 10:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*
Y Carrier	*77.8*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Client Sample ID: AP MWT-1 FD-1

Date Collected: 07/17/25 17:00
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-9

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**311**		0.500	0.250	mg/L			07/23/25 20:53	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/23/25 20:53	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**792**		5.00	2.00	mg/L			07/23/25 21:02	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**4.07**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 11:08	1
Calcium	**171**		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:17	50
Magnesium	**34.7**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 11:08	1
Potassium	**11.2**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 11:08	1
Sodium	**376**		0.500	0.152	mg/L		07/23/25 13:30	07/24/25 11:08	1
Lithium	**0.124**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0184**	**J**	0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:53	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:53	1
Arsenic	**0.00406**		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:53	1
Barium	**0.0531**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:53	1
Beryllium	**0.00600**		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:53	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:53	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:53	1
Cobalt	**0.117**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:53	1
Iron	**5.13**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:53	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:53	1
Molybdenum	**0.00299**		0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:53	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:53	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**75.7**		4.00	4.00	mg/L			07/23/25 14:12	1
Total Dissolved Solids (SM 2540C)	**1740**		10.0	10.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**5.3**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**24.3**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.07	U G	44.0	44.0	50.0	76.1	pCi/L	07/26/25 16:31	08/18/25 18:41	1
Radium-228	-28.6	U G	62.1	62.1	50.0	90.8	pCi/L	07/26/25 16:31	08/18/25 18:41	1
Combined Radium 226 + 228	-20.5	U	76.1	76.1		90.8	pCi/L	07/26/25 16:31	08/18/25 18:41	1

Client Sample ID: AP MWT-1 FD-1
Lab Sample ID: 870-38331-9
Date Collected: 07/17/25 17:00
Matrix: Water
Date Received: 07/22/25 10:04

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.10**		0.348	0.362	1.00	0.316	pCi/L	07/24/25 08:15	08/15/25 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.16**		0.607	0.673	1.00	0.547	pCi/L	07/24/25 08:24	08/15/25 10:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*
Y Carrier	*78.5*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*

Client Sample ID: SSP MW-3D
Lab Sample ID: 870-38331-10
Date Collected: 07/18/25 08:25
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		2.50	1.25	mg/L			07/23/25 21:11	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/23/25 21:11	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**2300**		25.0	10.0	mg/L			07/23/25 21:21	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.14**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 11:10	1
Calcium	**535**		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:19	50
Magnesium	**115**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 11:10	1
Potassium	**51.8**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 11:10	1
Sodium	**740**		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 11:19	50
Lithium	**0.366**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 11:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.25**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:56	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:56	1
Arsenic	**0.00887**		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:56	1
Barium	**0.0309**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:56	1
Beryllium	**0.00907**		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:56	1
Cadmium	**0.00143**	**J**	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:56	1
Chromium	**0.00161**	**J**	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:56	1
Cobalt	**0.158**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:56	1
Iron	**4.55**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 01:56	1
Lead	**0.000900**	**J**	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:56	1

Client Sample ID: SSP MW-3D

Lab Sample ID: 870-38331-10

Date Collected: 07/18/25 08:25

Matrix: Water

Date Received: 07/22/25 10:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	**0.000369**	**J**	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:56	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:56	1
Thallium	**0.000877**	**J**	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**13.9**		4.00	4.00	mg/L			07/23/25 14:01	1
Total Dissolved Solids (SM 2540C)	**5620**		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**4.6**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.4**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.54	U G	27.3	27.3	50.0	82.0	pCi/L	07/26/25 16:31	08/18/25 20:01	1
Radium-228	33.5	U G	40.1	40.3	50.0	67.1	pCi/L	07/26/25 16:31	08/18/25 20:01	1
Combined Radium 226 + 228	36.0	U	48.5	48.7		82.0	pCi/L	07/26/25 16:31	08/18/25 20:01	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.99**		0.523	0.553	1.00	0.409	pCi/L	07/24/25 08:15	08/15/25 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**4.59**		0.829	0.930	1.00	0.714	pCi/L	07/24/25 08:24	08/15/25 10:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*
Y Carrier	*77.8*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:51*	*1*

Client Sample ID: AP MW-7S

Lab Sample ID: 870-38331-11

Date Collected: 07/18/25 12:05

Matrix: Water

Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**347**		2.50	1.25	mg/L			07/25/25 15:41	5
Fluoride	**1.07**	**J**	2.50	0.500	mg/L			07/25/25 15:41	5

Client Sample Results

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Client Sample ID: AP MW-7S

Date Collected: 07/18/25 12:05
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-11

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**3190**		25.0	10.0	mg/L			07/25/25 15:48	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.41**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 11:12	1
Calcium	**484**		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:20	50
Magnesium	**147**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 11:12	1
Potassium	**59.1**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 11:12	1
Sodium	**700**		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 11:20	50
Lithium	**0.964**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.13**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 01:59	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 01:59	1
Arsenic	**0.00898**		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 01:59	1
Barium	**0.0269**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 01:59	1
Beryllium	**0.0574**		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 01:59	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 01:59	1
Chromium	**0.000657**	**J**	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 01:59	1
Cobalt	**0.0288**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 01:59	1
Iron	**14.9**		0.100	0.0223	mg/L		07/23/25 11:00	07/24/25 02:02	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 01:59	1
Molybdenum	**0.000763**	**J**	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 01:59	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 01:59	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 01:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/23/25 14:07	1
Total Dissolved Solids (SM 2540C)	**3820**		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**4.5**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.1**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**26.6**		16.5	16.7	50.0	25.0	pCi/L	07/26/25 16:31	08/18/25 20:04	1
Radium-228	7.38	U G	27.8	27.8	50.0	57.0	pCi/L	07/26/25 16:31	08/18/25 20:04	1
Combined Radium 226 + 228	33.9	U	32.3	32.4		57.0	pCi/L	07/26/25 16:31	08/18/25 20:04	1

Client Sample ID: AP MW-7S

Date Collected: 07/18/25 12:05
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.30**		0.365	0.384	1.00	0.303	pCi/L	07/24/25 08:15	08/15/25 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.24**		0.516	0.556	1.00	0.516	pCi/L	07/24/25 08:24	08/15/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*
Y Carrier	*78.9*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*

Client Sample ID: AP MW-7D

Date Collected: 07/18/25 15:00
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-12
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**951**		2.50	1.25	mg/L			07/25/25 15:54	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/25/25 15:54	5
Sulfate	**1110**		2.50	1.00	mg/L			07/25/25 15:54	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.953**		0.0500	0.0162	mg/L		07/24/25 12:34	07/25/25 12:50	1
Calcium	**345**		10.0	5.08	mg/L		07/24/25 12:34	07/25/25 12:55	50
Magnesium	**53.4**		0.200	0.0445	mg/L		07/24/25 12:34	07/25/25 12:50	1
Potassium	**45.3**		0.500	0.106	mg/L		07/24/25 12:34	07/25/25 12:50	1
Sodium	**635**		25.0	7.59	mg/L		07/24/25 12:34	07/25/25 12:55	50
Lithium	**0.405**		0.0400	0.0174	mg/L		07/24/25 12:34	07/25/25 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0193**	**J**	0.0200	0.00549	mg/L		07/24/25 09:30	07/25/25 03:25	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/24/25 09:30	07/25/25 03:25	1
Arsenic	**0.0216**		0.00400	0.000690	mg/L		07/24/25 09:30	07/25/25 03:25	1
Barium	**0.0582**		0.00400	0.00134	mg/L		07/24/25 09:30	07/25/25 03:25	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/24/25 09:30	07/25/25 03:25	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/24/25 09:30	07/25/25 03:25	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/24/25 09:30	07/25/25 03:25	1
Cobalt	**0.00645**		0.00200	0.000355	mg/L		07/24/25 09:30	07/25/25 03:25	1
Iron	**0.691**		0.0200	0.00445	mg/L		07/24/25 09:30	07/25/25 03:25	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/24/25 09:30	07/25/25 03:25	1
Molybdenum	**0.0162**		0.00200	0.000255	mg/L		07/24/25 09:30	07/25/25 03:25	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/24/25 09:30	07/25/25 03:25	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/24/25 09:30	07/25/25 03:25	1

Client Sample ID: AP MW-7D
Lab Sample ID: 870-38331-12
Date Collected: 07/18/25 15:00
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**264**		4.00	4.00	mg/L			07/23/25 13:43	1
Total Dissolved Solids (SM 2540C)	**3700**		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**6.8**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.4**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-12.0	U G	24.1	24.1	50.0	67.1	pCi/L	07/26/25 16:31	08/18/25 20:05	1
Radium-228	10.0	U G	23.2	23.2	50.0	51.8	pCi/L	07/26/25 16:31	08/18/25 20:05	1
Combined Radium 226 + 228	-1.94	U	33.5	33.5		67.1	pCi/L	07/26/25 16:31	08/18/25 20:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.623**		0.306	0.311	1.00	0.383	pCi/L	07/24/25 08:15	08/15/25 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.996**		0.404	0.414	1.00	0.524	pCi/L	07/24/25 08:24	08/15/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*
Y Carrier	*80.7*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*

Client Sample ID: EB-01
Lab Sample ID: 870-38331-13
Date Collected: 07/18/25 13:00
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/23/25 19:18	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/23/25 19:18	1
Sulfate	**0.291**	**J**	0.500	0.200	mg/L			07/23/25 19:18	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/24/25 12:34	07/25/25 12:51	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/24/25 12:34	07/25/25 12:51	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/24/25 12:34	07/25/25 12:51	1

Client Sample ID: EB-01
Date Collected: 07/18/25 13:00
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-13
Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.106	U	0.500	0.106	mg/L		07/24/25 12:34	07/25/25 12:51	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/24/25 12:34	07/25/25 12:51	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/24/25 12:34	07/25/25 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/24/25 09:30	07/25/25 03:28	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/24/25 09:30	07/25/25 03:28	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/24/25 09:30	07/25/25 03:28	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/24/25 09:30	07/25/25 03:28	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/24/25 09:30	07/25/25 03:28	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/24/25 09:30	07/25/25 03:28	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/24/25 09:30	07/25/25 03:28	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/24/25 09:30	07/25/25 03:28	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/24/25 09:30	07/25/25 03:28	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/24/25 09:30	07/25/25 03:28	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/24/25 09:30	07/25/25 03:28	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/24/25 09:30	07/25/25 03:28	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/24/25 09:30	07/25/25 03:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/23/25 13:50	1
Total Dissolved Solids (SM 2540C)	**3.00**		2.50	2.50	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**6.4**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**22.8**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**24.7**		16.0	16.2	50.0	21.3	pCi/L	07/26/25 16:31	08/18/25 20:02	1
Radium-228	12.7	U	30.0	30.0	50.0	48.9	pCi/L	07/26/25 16:31	08/18/25 20:02	1
Combined Radium 226 + 228	37.4	U	34.0	34.1		48.9	pCi/L	07/26/25 16:31	08/18/25 20:02	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.194	U	0.245	0.246	1.00	0.407	pCi/L	07/24/25 08:15	08/15/25 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:00*	*1*

Client Sample ID: EB-01

Lab Sample ID: 870-38331-13

Date Collected: 07/18/25 13:00

Matrix: Water

Date Received: 07/22/25 10:04

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.938**		0.495	0.502	1.00	0.712	pCi/L	07/24/25 08:24	08/15/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*
Y Carrier	*75.5*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*

Client Sample ID: FB-02

Lab Sample ID: 870-38331-14

Date Collected: 07/18/25 16:00

Matrix: Water

Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/25/25 16:07	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/25/25 16:07	1
Sulfate	**0.227**	**J**	0.500	0.200	mg/L			07/25/25 16:07	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 11:13	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/23/25 13:30	07/24/25 11:13	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 11:13	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/23/25 13:30	07/24/25 11:13	1
Sodium	**0.268**	**J**	0.500	0.152	mg/L		07/23/25 13:30	07/24/25 11:13	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 02:04	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 02:04	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 02:04	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 02:04	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 02:04	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 02:04	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 02:04	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 02:04	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 02:04	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 02:04	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 02:04	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 02:04	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 02:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 22:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/23/25 13:54	1
Total Dissolved Solids (SM 2540C)	**3.00**		2.50	2.50	mg/L			07/23/25 11:18	1

Client Sample ID: FB-02
Lab Sample ID: 870-38331-14
Date Collected: 07/18/25 16:00
Matrix: Water
Date Received: 07/22/25 10:04

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	5.6	HF			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	23.5	HF			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	11.1	U G	29.5	29.6	50.0	81.8	pCi/L	07/26/25 16:31	08/18/25 20:04	1
Radium-228	-15.5	U G	46.1	46.1	50.0	72.1	pCi/L	07/26/25 16:31	08/18/25 20:04	1
Combined Radium 226 + 228	-4.33	U	54.7	54.8		81.8	pCi/L	07/26/25 16:31	08/18/25 20:04	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00224	U	0.188	0.188	1.00	0.377	pCi/L	07/24/25 08:15	08/15/25 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.525		0.344	0.348	1.00	0.512	pCi/L	07/24/25 08:24	08/15/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*
Y Carrier	*83.4*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*

Client Sample ID: SSP MW-4S
Lab Sample ID: 870-38331-15
Date Collected: 07/18/25 10:00
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	488		2.50	1.25	mg/L			07/24/25 12:03	5
Fluoride	2.37	J	2.50	0.500	mg/L			07/24/25 12:03	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2730		25.0	10.0	mg/L			07/24/25 12:12	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	11.4		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 11:15	1
Calcium	500		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:24	50
Magnesium	226		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 11:15	1
Potassium	38.6		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 11:15	1
Sodium	428		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 11:24	50
Lithium	0.189		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 11:15	1

Client Sample ID: SSP MW-4S

Date Collected: 07/18/25 10:00
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**23.9**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 02:07	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 02:07	1
Arsenic	**0.0104**		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 02:07	1
Barium	**0.0282**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 02:07	1
Beryllium	**0.0276**		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 02:07	1
Cadmium	**0.00224**		0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 02:07	1
Chromium	**0.000712**	**J**	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 02:07	1
Cobalt	**0.104**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 02:07	1
Iron	**44.6**		0.100	0.0223	mg/L		07/23/25 11:00	07/24/25 02:10	5
Lead	**0.0150**		0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 02:07	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 02:07	1
Selenium	**0.00165**	**J**	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 02:07	1
Thallium	**0.00318**		0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 02:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000900**	**J**	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 01:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/23/25 13:58	1
Total Dissolved Solids (SM 2540C)	**2510**		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	**3.4**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.4**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**36.0**		16.1	16.5	50.0	15.5	pCi/L	07/26/25 16:31	08/18/25 20:00	1
Radium-228	32.5	U	25.0	25.2	50.0	33.7	pCi/L	07/26/25 16:31	08/18/25 20:00	1
Combined Radium 226 + 228	**68.5**		29.7	30.1		33.7	pCi/L	07/26/25 16:31	08/18/25 20:00	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**5.07**		0.802	0.923	1.00	0.470	pCi/L	07/24/25 08:15	08/15/25 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**9.81**		1.12	1.44	1.00	0.772	pCi/L	07/24/25 08:24	08/15/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*

Client Sample ID: SSP MW-4S
Lab Sample ID: 870-38331-15
Date Collected: 07/18/25 10:00
Matrix: Water
Date Received: 07/22/25 10:04

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	82.2		30 - 110	07/24/25 08:24	08/15/25 10:52	1

Client Sample ID: SSP MWT-4S FD-2
Lab Sample ID: 870-38331-16
Date Collected: 07/18/25 10:30
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	488		2.50	1.25	mg/L			07/24/25 12:22	5
Fluoride	2.37	J	2.50	0.500	mg/L			07/24/25 12:22	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2700		25.0	10.0	mg/L			07/24/25 12:31	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	11.2		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 11:29	1
Calcium	500		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:34	50
Magnesium	220		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 11:29	1
Potassium	37.6		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 11:29	1
Sodium	437		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 11:34	50
Lithium	0.181		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24.9		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 02:13	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 02:13	1
Arsenic	0.0105		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 02:13	1
Barium	0.0303		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 02:13	1
Beryllium	0.0287		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 02:13	1
Cadmium	0.00229		0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 02:13	1
Chromium	0.000757	J	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 02:13	1
Cobalt	0.105		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 02:13	1
Iron	46.4		0.100	0.0223	mg/L		07/23/25 11:00	07/24/25 02:22	5
Lead	0.0158		0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 02:13	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 02:13	1
Selenium	0.00170	J	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 02:13	1
Thallium	0.00334		0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 02:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000108	J	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 01:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/23/25 14:29	1
Total Dissolved Solids (SM 2540C)	3600		20.0	20.0	mg/L			07/23/25 11:18	1
pH (SM 4500 H+ B)	3.4	HF			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	23.0	HF			Celsius			07/29/25 14:02	1

Client Sample ID: SSP MWT-4S FD-2
Lab Sample ID: 870-38331-16
Date Collected: 07/18/25 10:30
Matrix: Water
Date Received: 07/22/25 10:04

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**58.5**		19.2	20.0	50.0	17.3	pCi/L	07/26/25 16:31	08/18/25 21:09	1
Radium-228	10.3	U	32.9	32.9	50.0	45.9	pCi/L	07/26/25 16:31	08/18/25 21:09	1
Combined Radium 226 + 228	**68.9**		38.1	38.5		45.9	pCi/L	07/26/25 16:31	08/18/25 21:09	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**6.02**		0.860	1.02	1.00	0.396	pCi/L	07/24/25 08:15	08/15/25 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**10.7**		1.24	1.58	1.00	0.744	pCi/L	07/24/25 08:24	08/15/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*
Y Carrier	*71.4*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*

Client Sample ID: SSP PZ-4S
Lab Sample ID: 870-38331-17
Date Collected: 07/18/25 12:40
Matrix: Water
Date Received: 07/22/25 10:04

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2910**		5.00	2.50	mg/L			07/24/25 12:59	10
Fluoride	<1.00	U	5.00	1.00	mg/L			07/24/25 12:59	10
Sulfate	**1150**		5.00	2.00	mg/L			07/24/25 12:59	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.09**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 11:31	1
Calcium	**785**		10.0	5.08	mg/L		07/23/25 13:30	07/24/25 11:36	50
Magnesium	**148**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 11:31	1
Potassium	**106**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 11:31	1
Sodium	**1150**		25.0	7.59	mg/L		07/23/25 13:30	07/24/25 11:36	50
Lithium	**0.712**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 02:24	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 02:24	1
Arsenic	**0.0117**		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 02:24	1
Barium	**0.0801**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 02:24	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 02:24	1

Client Sample ID: SSP PZ-4S

Date Collected: 07/18/25 12:40
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 02:24	1
Chromium	**0.00491**		0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 02:24	1
Cobalt	**0.00723**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 02:24	1
Iron	**0.757**		0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 02:24	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 02:24	1
Molybdenum	**0.00322**		0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 02:24	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 02:24	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 02:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 01:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**196**		4.00	4.00	mg/L			07/23/25 14:32	1
Total Dissolved Solids (SM 2540C)	**5690**		20.0	20.0	mg/L			07/23/25 13:03	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.4**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	24.3	U	18.7	18.9	50.0	28.6	pCi/L	07/26/25 16:31	08/18/25 21:09	1
Radium-228	14.6	U	32.5	32.5	50.0	47.5	pCi/L	07/26/25 16:31	08/18/25 21:09	1
Combined Radium 226 + 228	38.8	U	37.5	37.6		47.5	pCi/L	07/26/25 16:31	08/18/25 21:09	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.30**		0.375	0.393	1.00	0.305	pCi/L	07/24/25 08:15	08/15/25 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.14**		0.669	0.729	1.00	0.690	pCi/L	07/24/25 08:24	08/15/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*
Y Carrier	*77.4*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*

Client Sample ID: AP MW-4S

Date Collected: 07/18/25 16:05
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-18

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**125**		0.500	0.250	mg/L			07/24/25 13:18	1
Fluoride	**0.386**	**J**	0.500	0.100	mg/L			07/24/25 13:18	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**649**		5.00	2.00	mg/L			07/24/25 13:27	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.49**		0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 11:32	1
Calcium	**131**		0.200	0.102	mg/L		07/23/25 13:30	07/24/25 11:32	1
Magnesium	**22.1**		0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 11:32	1
Potassium	**21.6**		0.500	0.106	mg/L		07/23/25 13:30	07/24/25 11:32	1
Sodium	**184**		0.500	0.152	mg/L		07/23/25 13:30	07/24/25 11:32	1
Lithium	**0.188**		0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.83**		0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 02:27	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 02:27	1
Arsenic	**0.00779**		0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 02:27	1
Barium	**0.0160**		0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 02:27	1
Beryllium	**0.0116**		0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 02:27	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 02:27	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 02:27	1
Cobalt	**0.0355**		0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 02:27	1
Iron	**12.5**		0.400	0.0890	mg/L		07/23/25 11:00	07/24/25 14:39	20
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 02:27	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 02:27	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 02:27	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 02:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 01:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/23/25 14:38	1
Total Dissolved Solids (SM 2540C)	**1400**		5.00	5.00	mg/L			07/23/25 13:03	1
pH (SM 4500 H+ B)	**3.5**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**23.4**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-26.1	U G	18.3	18.4	50.0	78.6	pCi/L	07/26/25 16:31	08/18/25 21:09	1
Radium-228	13.0	U	22.4	22.4	50.0	36.2	pCi/L	07/26/25 16:31	08/18/25 21:09	1
Combined Radium 226 + 228	-13.1	U	28.9	29.0		78.6	pCi/L	07/26/25 16:31	08/18/25 21:09	1

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Client Sample ID: AP MW-4S

Date Collected: 07/18/25 16:05
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-18
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.393	U	0.328	0.330	1.00	0.492	pCi/L	07/24/25 08:15	08/15/25 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*07/24/25 08:15*	*08/15/25 15:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.677**		0.425	0.429	1.00	0.622	pCi/L	07/24/25 08:24	08/15/25 10:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*
Y Carrier	*84.1*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:52*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-38331-1	SSP MW-2D	95.7
870-38331-2	AP MW-3D	86.4
870-38331-3	FB-1	92.4
870-38331-4	SSP MW-5D	91.9
870-38331-5	SSP MW-5S	97.0
870-38331-6	SSP MW-6S	95.7
870-38331-7	SSP MW-6D	92.9
870-38331-8	AP MW-1	94.7
870-38331-9	AP MWT-1 FD-1	93.5
870-38331-10	SSP MW-3D	95.0
870-38331-11	AP MW-7S	97.5
870-38331-12	AP MW-7D	94.0
870-38331-13	EB-01	86.6
870-38331-14	FB-02	94.0
870-38331-15	SSP MW-4S	97.5
870-38331-16	SSP MWT-4S FD-2	97.7
870-38331-17	SSP PZ-4S	89.2
870-38331-18	AP MW-4S	98.7
LCS 160-728733/2-A	Lab Control Sample	95.5
LCSD 160-728733/3-A	Lab Control Sample Dup	89.7
MB 160-728733/1-A	Method Blank	94.2

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-38331-1	SSP MW-2D	95.7	77.4
870-38331-2	AP MW-3D	86.4	75.9
870-38331-3	FB-1	92.4	71.4
870-38331-4	SSP MW-5D	91.9	75.1
870-38331-5	SSP MW-5S	97.0	78.9
870-38331-6	SSP MW-6S	95.7	73.6
870-38331-7	SSP MW-6D	92.9	70.3
870-38331-8	AP MW-1	94.7	77.8
870-38331-9	AP MWT-1 FD-1	93.5	78.5
870-38331-10	SSP MW-3D	95.0	77.8
870-38331-11	AP MW-7S	97.5	78.9
870-38331-12	AP MW-7D	94.0	80.7
870-38331-13	EB-01	86.6	75.5
870-38331-14	FB-02	94.0	83.4
870-38331-15	SSP MW-4S	97.5	82.2
870-38331-16	SSP MWT-4S FD-2	97.7	71.4
870-38331-17	SSP PZ-4S	89.2	77.4
870-38331-18	AP MW-4S	98.7	84.1
LCS 160-728734/2-A	Lab Control Sample	95.5	77.8

Tracer/Carrier Summary

Client: HDR Inc
Job ID: 870-38331-1
Project/Site: Appendix III/IV

Method: 904.0 - Radium-228 (GFPC) (Continued)

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

		Percent Yield (Acceptance Limits)									
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)								
LCSD 160-728734/3-A	Lab Control Sample Dup	89.7	77.8								
MB 160-728734/1-A	Method Blank	94.2	79.3								

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-250556/3
Matrix: Water
Analysis Batch: 250556

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/23/25 12:06	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/23/25 12:06	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/23/25 12:06	1

Lab Sample ID: LCS 860-250556/4
Matrix: Water
Analysis Batch: 250556

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.47		mg/L		105	90 - 110
Fluoride	10.0	10.61		mg/L		106	90 - 110
Sulfate	10.0	10.80		mg/L		108	90 - 110

Lab Sample ID: LCSD 860-250556/5
Matrix: Water
Analysis Batch: 250556

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
Chloride	10.0	10.52		mg/L		105	90 - 110	0	20
Fluoride	10.0	10.60		mg/L		106	90 - 110	0	20
Sulfate	10.0	10.76		mg/L		108	90 - 110	0	20

Lab Sample ID: LLCS 860-250556/7
Matrix: Water
Analysis Batch: 250556

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5421		mg/L		108	50 - 150
Fluoride	0.500	0.4640	J	mg/L		93	50 - 150
Sulfate	0.500	0.7480		mg/L		150	50 - 150

Lab Sample ID: 870-38331-3 MS
Matrix: Water
Analysis Batch: 250556

Client Sample ID: FB-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.250	U F1	10.0	11.32	F1	mg/L		113	90 - 110
Fluoride	<0.100	U	10.0	10.19		mg/L		102	90 - 110
Sulfate	0.303	J	10.0	10.32		mg/L		100	90 - 110

Lab Sample ID: 870-38331-3 MSD
Matrix: Water
Analysis Batch: 250556

Client Sample ID: FB-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.250	U F1	10.0	11.31	F1	mg/L		113	90 - 110	0	15
Fluoride	<0.100	U	10.0	10.40		mg/L		104	90 - 110	2	15
Sulfate	0.303	J	10.0	10.33		mg/L		100	90 - 110	0	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-250792/3
Matrix: Water
Analysis Batch: 250792

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/24/25 11:16	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/24/25 11:16	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/24/25 11:16	1

Lab Sample ID: LCS 860-250792/4
Matrix: Water
Analysis Batch: 250792

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.76		mg/L		108	90 - 110
Fluoride	10.0	10.90		mg/L		109	90 - 110
Sulfate	10.0	10.99		mg/L		110	90 - 110

Lab Sample ID: LCSD 860-250792/5
Matrix: Water
Analysis Batch: 250792

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
Chloride	10.0	10.71		mg/L		107	90 - 110	0	20
Fluoride	10.0	10.82		mg/L		108	90 - 110	1	20
Sulfate	10.0	10.93		mg/L		109	90 - 110	1	20

Lab Sample ID: LLCS 860-250792/7
Matrix: Water
Analysis Batch: 250792

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	5.496		mg/L		110	50 - 150
Fluoride	5.00	4.737	J	mg/L		95	50 - 150
Sulfate	5.00	7.449		mg/L		149	50 - 150

Lab Sample ID: 870-38331-18 MS
Matrix: Water
Analysis Batch: 250792

Client Sample ID: AP MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	125		10.0	135.9	4	mg/L		105	90 - 110
Fluoride	0.386	J	10.0	10.08		mg/L		97	90 - 110

Lab Sample ID: 870-38331-18 MSD
Matrix: Water
Analysis Batch: 250792

Client Sample ID: AP MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	125		10.0	136.2	4	mg/L		108	90 - 110	0	15
Fluoride	0.386	J	10.0	9.619		mg/L		92	90 - 110	5	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-251091/3
Matrix: Water
Analysis Batch: 251091

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/25/25 10:42	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/25/25 10:42	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/25/25 10:42	1

Lab Sample ID: LCS 860-251091/4
Matrix: Water
Analysis Batch: 251091

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.35		mg/L		104	90 - 110
Fluoride	10.0	10.79		mg/L		108	90 - 110
Sulfate	10.0	10.32		mg/L		103	90 - 110

Lab Sample ID: LCSD 860-251091/5
Matrix: Water
Analysis Batch: 251091

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
Chloride	10.0	10.44		mg/L		104	90 - 110	1	20
Fluoride	10.0	10.84		mg/L		108	90 - 110	0	20
Sulfate	10.0	10.37		mg/L		104	90 - 110	1	20

Lab Sample ID: LLCS 860-251091/7
Matrix: Water
Analysis Batch: 251091

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5415		mg/L		108	50 - 150
Fluoride	0.500	0.3800	J	mg/L		76	50 - 150
Sulfate	0.500	0.5449		mg/L		109	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-250569/1-A
Matrix: Water
Analysis Batch: 250862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/23/25 13:30	07/24/25 09:55	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/23/25 13:30	07/24/25 09:55	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/23/25 13:30	07/24/25 09:55	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/23/25 13:30	07/24/25 09:55	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/23/25 13:30	07/24/25 09:55	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/23/25 13:30	07/24/25 09:55	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-250569/2-A
Matrix: Water
Analysis Batch: 250862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.9750		mg/L		98	80 - 120
Calcium	25.0	24.50		mg/L		98	80 - 120
Magnesium	25.0	24.10		mg/L		96	80 - 120
Potassium	10.0	9.880		mg/L		99	80 - 120
Sodium	25.0	24.50		mg/L		98	80 - 120
Lithium	1.00	0.9530		mg/L		95	80 - 120

Lab Sample ID: LCSD 860-250569/3-A
Matrix: Water
Analysis Batch: 250862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250569

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	0.9770		mg/L		98	80 - 120	0	20
Calcium	25.0	24.50		mg/L		98	80 - 120	0	20
Magnesium	25.0	24.10		mg/L		96	80 - 120	0	20
Potassium	10.0	9.860		mg/L		99	80 - 120	0	20
Sodium	25.0	24.50		mg/L		98	80 - 120	0	20
Lithium	1.00	0.9530		mg/L		95	80 - 120	0	20

Lab Sample ID: MB 860-250782/1-A
Matrix: Water
Analysis Batch: 250862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		07/24/25 09:30	07/24/25 14:49	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		07/24/25 09:30	07/24/25 14:49	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		07/24/25 09:30	07/24/25 14:49	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		07/24/25 09:30	07/24/25 14:49	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		07/24/25 09:30	07/24/25 14:49	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/24/25 09:30	07/24/25 14:49	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		07/24/25 09:30	07/24/25 14:49	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/24/25 09:30	07/24/25 14:49	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		07/24/25 09:30	07/24/25 14:49	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		07/24/25 09:30	07/24/25 14:49	1
Iron	<0.0283	U	0.200	0.0283	mg/L		07/24/25 09:30	07/24/25 14:49	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		07/24/25 09:30	07/24/25 14:49	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/24/25 09:30	07/24/25 14:49	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		07/24/25 09:30	07/24/25 14:49	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/24/25 09:30	07/24/25 14:49	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		07/24/25 09:30	07/24/25 14:49	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/24/25 09:30	07/24/25 14:49	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		07/24/25 09:30	07/24/25 14:49	1
Li	<0.0174	U	0.0400	0.0174	mg/L		07/24/25 09:30	07/24/25 14:49	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-250782/2-A
Matrix: Water
Analysis Batch: 250862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.910		mg/L		98	80 - 120
Antimony	1.00	0.9170		mg/L		92	80 - 120
Arsenic	1.00	0.9260		mg/L		93	80 - 120
Barium	1.00	0.9640		mg/L		96	80 - 120
Beryllium	1.00	0.9560		mg/L		96	80 - 120
Boron	1.00	0.9550		mg/L		96	80 - 120
Cadmium	1.00	0.9320		mg/L		93	80 - 120
Calcium	25.0	23.50		mg/L		94	80 - 120
Chromium	1.00	0.9390		mg/L		94	80 - 120
Cobalt	1.00	0.9370		mg/L		94	80 - 120
Iron	5.00	4.970		mg/L		99	80 - 120
Lead	1.00	0.9620		mg/L		96	80 - 120
Magnesium	25.0	23.30		mg/L		93	80 - 120
Molybdenum	1.00	0.9350		mg/L		94	80 - 120
Potassium	10.0	9.670		mg/L		97	80 - 120
Selenium	1.00	1.010		mg/L		101	80 - 120
Sodium	25.0	24.10		mg/L		96	80 - 120
Thallium	1.00	0.9810		mg/L		98	80 - 120
Li	1.00	0.9360		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-250782/3-A
Matrix: Water
Analysis Batch: 250862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250782

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.970		mg/L		99	80 - 120	1	20
Antimony	1.00	0.9620		mg/L		96	80 - 120	5	20
Arsenic	1.00	0.9460		mg/L		95	80 - 120	2	20
Barium	1.00	0.9760		mg/L		98	80 - 120	1	20
Beryllium	1.00	0.9680		mg/L		97	80 - 120	1	20
Boron	1.00	0.9640		mg/L		96	80 - 120	1	20
Cadmium	1.00	0.9440		mg/L		94	80 - 120	1	20
Calcium	25.0	23.80		mg/L		95	80 - 120	1	20
Chromium	1.00	0.9490		mg/L		95	80 - 120	1	20
Cobalt	1.00	0.9500		mg/L		95	80 - 120	1	20
Iron	5.00	5.030		mg/L		101	80 - 120	1	20
Lead	1.00	0.9720		mg/L		97	80 - 120	1	20
Magnesium	25.0	23.60		mg/L		94	80 - 120	1	20
Molybdenum	1.00	0.9570		mg/L		96	80 - 120	2	20
Potassium	10.0	9.840		mg/L		98	80 - 120	2	20
Selenium	1.00	1.030		mg/L		103	80 - 120	2	20
Sodium	25.0	24.40		mg/L		98	80 - 120	1	20
Thallium	1.00	0.9910		mg/L		99	80 - 120	1	20
Li	1.00	0.9530		mg/L		95	80 - 120	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-250848/1-A
Matrix: Water
Analysis Batch: 251166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/24/25 12:33	07/25/25 11:49	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/24/25 12:33	07/25/25 11:49	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/24/25 12:33	07/25/25 11:49	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/24/25 12:33	07/25/25 11:49	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/24/25 12:33	07/25/25 11:49	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/24/25 12:33	07/25/25 11:49	1

Lab Sample ID: LCS 860-250848/2-A
Matrix: Water
Analysis Batch: 251166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.030		mg/L		103	80 - 120
Calcium	25.0	24.80		mg/L		99	80 - 120
Magnesium	25.0	24.50		mg/L		98	80 - 120
Potassium	10.0	9.980		mg/L		100	80 - 120
Sodium	25.0	24.70		mg/L		99	80 - 120
Lithium	1.00	0.9220		mg/L		92	80 - 120

Lab Sample ID: LCSD 860-250848/3-A
Matrix: Water
Analysis Batch: 251166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250848

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.020		mg/L		102	80 - 120	1	20
Calcium	25.0	24.80		mg/L		99	80 - 120	0	20
Magnesium	25.0	24.50		mg/L		98	80 - 120	0	20
Potassium	10.0	9.970		mg/L		100	80 - 120	0	20
Sodium	25.0	24.70		mg/L		99	80 - 120	0	20
Lithium	1.00	0.9210		mg/L		92	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-250549/1-A
Matrix: Water
Analysis Batch: 250836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/23/25 11:00	07/24/25 00:48	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/23/25 11:00	07/24/25 00:48	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/23/25 11:00	07/24/25 00:48	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/23/25 11:00	07/24/25 00:48	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/23/25 11:00	07/24/25 00:48	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/23/25 11:00	07/24/25 00:48	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/23/25 11:00	07/24/25 00:48	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/23/25 11:00	07/24/25 00:48	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/23/25 11:00	07/24/25 00:48	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/23/25 11:00	07/24/25 00:48	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/23/25 11:00	07/24/25 00:48	1

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

Lab Sample ID: MB 860-250549/1-A
Matrix: Water
Analysis Batch: 250836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/23/25 11:00	07/24/25 00:48	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/23/25 11:00	07/24/25 00:48	1

Lab Sample ID: LCS 860-250549/2-A
Matrix: Water
Analysis Batch: 250836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4910		mg/L		98	80 - 120
Antimony	0.100	0.09000		mg/L		90	80 - 120
Arsenic	0.100	0.09898		mg/L		99	80 - 120
Barium	0.100	0.09985		mg/L		100	80 - 120
Beryllium	0.100	0.09415		mg/L		94	80 - 120
Cadmium	0.100	0.09764		mg/L		98	80 - 120
Chromium	0.100	0.09845		mg/L		98	80 - 120
Cobalt	0.100	0.09841		mg/L		98	80 - 120
Iron	0.500	0.4723		mg/L		94	80 - 120
Lead	0.100	0.1008		mg/L		101	80 - 120
Molybdenum	0.100	0.09666		mg/L		97	80 - 120
Selenium	0.100	0.1011		mg/L		101	80 - 120
Thallium	0.100	0.1041		mg/L		104	80 - 120

Lab Sample ID: LCSD 860-250549/3-A
Matrix: Water
Analysis Batch: 250836

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250549

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4932		mg/L		99	80 - 120	0	20
Antimony	0.100	0.09229		mg/L		92	80 - 120	3	20
Arsenic	0.100	0.09816		mg/L		98	80 - 120	1	20
Barium	0.100	0.09790		mg/L		98	80 - 120	2	20
Beryllium	0.100	0.09427		mg/L		94	80 - 120	0	20
Cadmium	0.100	0.09755		mg/L		98	80 - 120	0	20
Chromium	0.100	0.09857		mg/L		99	80 - 120	0	20
Cobalt	0.100	0.09814		mg/L		98	80 - 120	0	20
Iron	0.500	0.4669		mg/L		93	80 - 120	1	20
Lead	0.100	0.1006		mg/L		101	80 - 120	0	20
Molybdenum	0.100	0.09739		mg/L		97	80 - 120	1	20
Selenium	0.100	0.1012		mg/L		101	80 - 120	0	20
Thallium	0.100	0.1038		mg/L		104	80 - 120	0	20

Lab Sample ID: MB 860-250775/1-A
Matrix: Water
Analysis Batch: 251099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/24/25 09:30	07/25/25 02:43	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/24/25 09:30	07/25/25 02:43	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/24/25 09:30	07/25/25 02:43	1

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

Lab Sample ID: MB 860-250775/1-A
Matrix: Water
Analysis Batch: 251099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/24/25 09:30	07/25/25 02:43	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/24/25 09:30	07/25/25 02:43	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/24/25 09:30	07/25/25 02:43	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/24/25 09:30	07/25/25 02:43	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/24/25 09:30	07/25/25 02:43	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/24/25 09:30	07/25/25 02:43	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/24/25 09:30	07/25/25 02:43	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/24/25 09:30	07/25/25 02:43	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/24/25 09:30	07/25/25 02:43	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/24/25 09:30	07/25/25 02:43	1

Lab Sample ID: LCS 860-250775/2-A
Matrix: Water
Analysis Batch: 251099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4819		mg/L		96	80 - 120
Antimony	0.100	0.09304		mg/L		93	80 - 120
Arsenic	0.100	0.09515		mg/L		95	80 - 120
Barium	0.100	0.09383		mg/L		94	80 - 120
Beryllium	0.100	0.09539		mg/L		95	80 - 120
Cadmium	0.100	0.09571		mg/L		96	80 - 120
Chromium	0.100	0.09656		mg/L		97	80 - 120
Cobalt	0.100	0.09578		mg/L		96	80 - 120
Iron	0.500	0.4592		mg/L		92	80 - 120
Lead	0.100	0.09561		mg/L		96	80 - 120
Molybdenum	0.100	0.09492		mg/L		95	80 - 120
Selenium	0.100	0.09645		mg/L		96	80 - 120
Thallium	0.100	0.09670		mg/L		97	80 - 120

Lab Sample ID: LCSD 860-250775/3-A
Matrix: Water
Analysis Batch: 251099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250775

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4827		mg/L		97	80 - 120	0	20
Antimony	0.100	0.09528		mg/L		95	80 - 120	2	20
Arsenic	0.100	0.09558		mg/L		96	80 - 120	0	20
Barium	0.100	0.09540		mg/L		95	80 - 120	2	20
Beryllium	0.100	0.09608		mg/L		96	80 - 120	1	20
Cadmium	0.100	0.09633		mg/L		96	80 - 120	1	20
Chromium	0.100	0.09673		mg/L		97	80 - 120	0	20
Cobalt	0.100	0.09602		mg/L		96	80 - 120	0	20
Iron	0.500	0.4580		mg/L		92	80 - 120	0	20
Lead	0.100	0.09633		mg/L		96	80 - 120	1	20
Molybdenum	0.100	0.09514		mg/L		95	80 - 120	0	20
Selenium	0.100	0.09688		mg/L		97	80 - 120	0	20
Thallium	0.100	0.09717		mg/L		97	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-250713/10-A
Matrix: Water
Analysis Batch: 250874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:50	07/24/25 12:39	1

Lab Sample ID: LCS 860-250713/11-A
Matrix: Water
Analysis Batch: 250874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001993		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-250713/12-A
Matrix: Water
Analysis Batch: 250874

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250713

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002009		mg/L		100	80 - 120	1	20

Lab Sample ID: MB 860-250714/1-A
Matrix: Water
Analysis Batch: 250874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:53	07/24/25 21:57	1

Lab Sample ID: LCS 860-250714/2-A
Matrix: Water
Analysis Batch: 250874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001994		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-250714/3-A
Matrix: Water
Analysis Batch: 250874

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250714

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002037		mg/L		102	80 - 120	2	20

Lab Sample ID: 870-38331-4 MS
Matrix: Water
Analysis Batch: 250874

Client Sample ID: SSP MW-5D
Prep Type: Total/NA
Prep Batch: 250714

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.0000706	U	0.00200	0.001956		mg/L		98	75 - 125

Lab Sample ID: 870-38331-4 MSD
Matrix: Water
Analysis Batch: 250874

Client Sample ID: SSP MW-5D
Prep Type: Total/NA
Prep Batch: 250714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U	0.00200	0.001979		mg/L		99	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-250449/23-B
Matrix: Water
Analysis Batch: 251299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 00:34	1

Lab Sample ID: LCS 860-250449/24-B
Matrix: Water
Analysis Batch: 251299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001990		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-250449/25-B
Matrix: Water
Analysis Batch: 251299

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251024

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002020		mg/L		101	80 - 120	1	20

Lab Sample ID: LB 860-250213/1-F
Matrix: Water
Analysis Batch: 250874

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 250713

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/24/25 00:50	07/24/25 12:44	1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-250637/3
Matrix: Water
Analysis Batch: 250637

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			07/23/25 12:16	1

Lab Sample ID: LCS 860-250637/4
Matrix: Water
Analysis Batch: 250637

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	239.7		mg/L		96	85 - 115

Lab Sample ID: LCSD 860-250637/5
Matrix: Water
Analysis Batch: 250637

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
Alkalinity	250	240.5		mg/L		96	85 - 115	0	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 870-38331-1 DU
Matrix: Water
Analysis Batch: 250637

Client Sample ID: SSP MW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	78.7			79.05		mg/L				0.5	20

Lab Sample ID: 870-38331-2 DU
Matrix: Water
Analysis Batch: 250637

Client Sample ID: AP MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	26.9			27.11		mg/L				0.9	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-30307/1
Matrix: Water
Analysis Batch: 30307

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			07/23/25 11:18	1

Lab Sample ID: LCS 870-30307/2
Matrix: Water
Analysis Batch: 30307

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1025		mg/L		103	80 - 120		

Lab Sample ID: LCSD 870-30307/3
Matrix: Water
Analysis Batch: 30307

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
Total Dissolved Solids			1000	990.0		mg/L		99	80 - 120	3	10

Lab Sample ID: 870-38331-1 DU
Matrix: Water
Analysis Batch: 30307

Client Sample ID: SSP MW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	6380			6704		mg/L				5	10

Lab Sample ID: 870-38331-2 DU
Matrix: Water
Analysis Batch: 30307

Client Sample ID: AP MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1610			1545		mg/L				4	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-38331-1 DU
Matrix: Water
Analysis Batch: 30463

Client Sample ID: SSP MW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	5.6	HF	5.7		SU		2	20
Temperature	23.7	HF	23.7		Celsius		0	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-729084/1-A
Matrix: Water
Analysis Batch: 732567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729084

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-4.200	U G	10.2	10.3	50.0	61.6	pCi/L	07/26/25 16:31	08/18/25 15:47	1
Radium-228	3.333	U G	6.87	6.88	50.0	50.9	pCi/L	07/26/25 16:31	08/18/25 15:47	1
Combined Radium 226 + 228	-0.8667	U	12.3	12.4		61.6	pCi/L	07/26/25 16:31	08/18/25 15:47	1

Lab Sample ID: LCS 160-729084/2-A
Matrix: Water
Analysis Batch: 732459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 729084

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	150100		15400		444	pCi/L	105	75 - 125
Cesium-137	37800	37740		3690		179	pCi/L	100	75 - 125
Cobalt-60	52100	52510		5120		86.8	pCi/L	101	75 - 125

Lab Sample ID: 870-38331-1 DU
Matrix: Water
Analysis Batch: 732453

Client Sample ID: SSP MW-2D
Prep Type: Total/NA
Prep Batch: 729084

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	-2.73	U G	22.19	U G	43.1	50.0	94.1	pCi/L	0.32	1
Radium-228	-0.597	U	8.252	U G	14.9	50.0	85.5	pCi/L	0.21	1
Combined Radium 226 + 228	-3.33	U	30.44	U	45.6		94.1	pCi/L	0.37	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-728733/1-A
Matrix: Water
Analysis Batch: 732140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728733

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01100	U	0.166	0.166	1.00	0.334	pCi/L	07/24/25 08:15	08/15/25 14:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*07/24/25 08:15*	*08/15/25 14:52*	*1*

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: LCS 160-728733/2-A
Matrix: Water
Analysis Batch: 732140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728733

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.183		1.23	1.00	0.304	pCi/L	96	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.5*		*30 - 110*

Lab Sample ID: LCSD 160-728733/3-A
Matrix: Water
Analysis Batch: 732140

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 728733

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.58	8.090		1.14	1.00	0.391	pCi/L	84	75 - 125	0.46	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*89.7*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-728734/1-A
Matrix: Water
Analysis Batch: 732140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728734

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5624		0.365	0.368	1.00	0.542	pCi/L	07/24/25 08:24	08/15/25 10:45	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*
Y Carrier	*79.3*		*30 - 110*	*07/24/25 08:24*	*08/15/25 10:45*	*1*

Lab Sample ID: LCS 160-728734/2-A
Matrix: Water
Analysis Batch: 732140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728734

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.16	11.06		1.44	1.00	0.474	pCi/L	121	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.5*		*30 - 110*
Y Carrier	*77.8*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-728734/3-A
Matrix: Water
Analysis Batch: 732140

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 728734

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			9.16	10.47		1.41	1.00	0.513	pCi/L	114	75 - 125	0.21	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*89.7*		*30 - 110*
Y Carrier	*77.8*		*30 - 110*

HPLC/IC

Analysis Batch: 250556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	9056A	
870-38331-2	AP MW-3D	Total/NA	Water	9056A	
870-38331-2 - DL	AP MW-3D	Total/NA	Water	9056A	
870-38331-3	FB-1	Total/NA	Water	9056A	
870-38331-4	SSP MW-5D	Total/NA	Water	9056A	
870-38331-5	SSP MW-5S	Total/NA	Water	9056A	
870-38331-6	SSP MW-6S	Total/NA	Water	9056A	
870-38331-6 - DL	SSP MW-6S	Total/NA	Water	9056A	
870-38331-7	SSP MW-6D	Total/NA	Water	9056A	
870-38331-8	AP MW-1	Total/NA	Water	9056A	
870-38331-8 - DL	AP MW-1	Total/NA	Water	9056A	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	9056A	
870-38331-9 - DL	AP MWT-1 FD-1	Total/NA	Water	9056A	
870-38331-10	SSP MW-3D	Total/NA	Water	9056A	
870-38331-10 - DL	SSP MW-3D	Total/NA	Water	9056A	
870-38331-13	EB-01	Total/NA	Water	9056A	
MB 860-250556/3	Method Blank	Total/NA	Water	9056A	
LCS 860-250556/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-250556/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-250556/7	Lab Control Sample	Total/NA	Water	9056A	
870-38331-3 MS	FB-1	Total/NA	Water	9056A	
870-38331-3 MSD	FB-1	Total/NA	Water	9056A	

Analysis Batch: 250792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-15	SSP MW-4S	Total/NA	Water	9056A	
870-38331-15 - DL	SSP MW-4S	Total/NA	Water	9056A	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	9056A	
870-38331-16 - DL	SSP MWT-4S FD-2	Total/NA	Water	9056A	
870-38331-17	SSP PZ-4S	Total/NA	Water	9056A	
870-38331-18	AP MW-4S	Total/NA	Water	9056A	
870-38331-18 - DL	AP MW-4S	Total/NA	Water	9056A	
MB 860-250792/3	Method Blank	Total/NA	Water	9056A	
LCS 860-250792/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-250792/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-250792/7	Lab Control Sample	Total/NA	Water	9056A	
870-38331-18 MS	AP MW-4S	Total/NA	Water	9056A	
870-38331-18 MSD	AP MW-4S	Total/NA	Water	9056A	

Analysis Batch: 251091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-11	AP MW-7S	Total/NA	Water	9056A	
870-38331-11 - DL	AP MW-7S	Total/NA	Water	9056A	
870-38331-12	AP MW-7D	Total/NA	Water	9056A	
870-38331-14	FB-02	Total/NA	Water	9056A	
MB 860-251091/3	Method Blank	Total/NA	Water	9056A	
LCS 860-251091/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-251091/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-251091/7	Lab Control Sample	Total/NA	Water	9056A	

Metals

Leach Batch: 250213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-250213/1-F	Method Blank	Dissolved	Water	1311	

Filtration Batch: 250449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-250449/23-B	Method Blank	Total/NA	Water	Filtration	
LCS 860-250449/24-B	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-250449/25-B	Lab Control Sample Dup	Total/NA	Water	Filtration	

Prep Batch: 250549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	3010A	
870-38331-2	AP MW-3D	Total/NA	Water	3010A	
870-38331-3	FB-1	Total/NA	Water	3010A	
870-38331-4	SSP MW-5D	Total/NA	Water	3010A	
870-38331-5	SSP MW-5S	Total/NA	Water	3010A	
870-38331-6	SSP MW-6S	Total/NA	Water	3010A	
870-38331-7	SSP MW-6D	Total/NA	Water	3010A	
870-38331-8	AP MW-1	Total/NA	Water	3010A	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	3010A	
870-38331-10	SSP MW-3D	Total/NA	Water	3010A	
870-38331-11	AP MW-7S	Total/NA	Water	3010A	
870-38331-14	FB-02	Total/NA	Water	3010A	
870-38331-15	SSP MW-4S	Total/NA	Water	3010A	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	3010A	
870-38331-17	SSP PZ-4S	Total/NA	Water	3010A	
870-38331-18	AP MW-4S	Total/NA	Water	3010A	
MB 860-250549/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-250549/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-250549/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 250569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	3010A	
870-38331-2	AP MW-3D	Total/NA	Water	3010A	
870-38331-3	FB-1	Total/NA	Water	3010A	
870-38331-4	SSP MW-5D	Total/NA	Water	3010A	
870-38331-5	SSP MW-5S	Total/NA	Water	3010A	
870-38331-6	SSP MW-6S	Total/NA	Water	3010A	
870-38331-7	SSP MW-6D	Total/NA	Water	3010A	
870-38331-8	AP MW-1	Total/NA	Water	3010A	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	3010A	
870-38331-10	SSP MW-3D	Total/NA	Water	3010A	
870-38331-11	AP MW-7S	Total/NA	Water	3010A	
870-38331-14	FB-02	Total/NA	Water	3010A	
870-38331-15	SSP MW-4S	Total/NA	Water	3010A	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	3010A	
870-38331-17	SSP PZ-4S	Total/NA	Water	3010A	
870-38331-18	AP MW-4S	Total/NA	Water	3010A	
MB 860-250569/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-250569/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-250569/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Prep Batch: 250713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Dissolved	Water	7470A	
LB 860-250213/1-F	Method Blank	Dissolved	Water	7470A	250213
MB 860-250713/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-250713/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-250713/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 250714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	7470A	
870-38331-2	AP MW-3D	Total/NA	Water	7470A	
870-38331-3	FB-1	Total/NA	Water	7470A	
870-38331-4	SSP MW-5D	Total/NA	Water	7470A	
870-38331-5	SSP MW-5S	Total/NA	Water	7470A	
870-38331-6	SSP MW-6S	Total/NA	Water	7470A	
870-38331-7	SSP MW-6D	Total/NA	Water	7470A	
870-38331-8	AP MW-1	Total/NA	Water	7470A	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	7470A	
870-38331-10	SSP MW-3D	Total/NA	Water	7470A	
870-38331-11	AP MW-7S	Total/NA	Water	7470A	
870-38331-12	AP MW-7D	Total/NA	Water	7470A	
870-38331-13	EB-01	Total/NA	Water	7470A	
870-38331-14	FB-02	Total/NA	Water	7470A	
MB 860-250714/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-250714/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-250714/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-38331-4 MS	SSP MW-5D	Total/NA	Water	7470A	
870-38331-4 MSD	SSP MW-5D	Total/NA	Water	7470A	

Prep Batch: 250775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-12	AP MW-7D	Total/NA	Water	3010A	
870-38331-13	EB-01	Total/NA	Water	3010A	
MB 860-250775/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-250775/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-250775/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 250782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Dissolved	Water	3010A	
MB 860-250782/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-250782/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-250782/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 250836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	6020B	250549
870-38331-2	AP MW-3D	Total/NA	Water	6020B	250549
870-38331-3	FB-1	Total/NA	Water	6020B	250549
870-38331-4	SSP MW-5D	Total/NA	Water	6020B	250549
870-38331-5	SSP MW-5S	Total/NA	Water	6020B	250549
870-38331-6	SSP MW-6S	Total/NA	Water	6020B	250549

Metals (Continued)

Analysis Batch: 250836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-7	SSP MW-6D	Total/NA	Water	6020B	250549
870-38331-8	AP MW-1	Total/NA	Water	6020B	250549
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	6020B	250549
870-38331-10	SSP MW-3D	Total/NA	Water	6020B	250549
870-38331-11	AP MW-7S	Total/NA	Water	6020B	250549
870-38331-11	AP MW-7S	Total/NA	Water	6020B	250549
870-38331-14	FB-02	Total/NA	Water	6020B	250549
870-38331-15	SSP MW-4S	Total/NA	Water	6020B	250549
870-38331-15	SSP MW-4S	Total/NA	Water	6020B	250549
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	6020B	250549
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	6020B	250549
870-38331-17	SSP PZ-4S	Total/NA	Water	6020B	250549
870-38331-18	AP MW-4S	Total/NA	Water	6020B	250549
MB 860-250549/1-A	Method Blank	Total/NA	Water	6020B	250549
LCS 860-250549/2-A	Lab Control Sample	Total/NA	Water	6020B	250549
LCSD 860-250549/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	250549

Prep Batch: 250848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-12	AP MW-7D	Total/NA	Water	3010A	
870-38331-13	EB-01	Total/NA	Water	3010A	
MB 860-250848/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-250848/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-250848/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 250862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Dissolved	Water	6010D	250782
870-38331-1	SSP MW-2D	Dissolved	Water	6010D	250782
870-38331-1	SSP MW-2D	Total/NA	Water	6010D	250569
870-38331-1	SSP MW-2D	Total/NA	Water	6010D	250569
870-38331-2	AP MW-3D	Total/NA	Water	6010D	250569
870-38331-3	FB-1	Total/NA	Water	6010D	250569
870-38331-4	SSP MW-5D	Total/NA	Water	6010D	250569
870-38331-4	SSP MW-5D	Total/NA	Water	6010D	250569
870-38331-5	SSP MW-5S	Total/NA	Water	6010D	250569
870-38331-5	SSP MW-5S	Total/NA	Water	6010D	250569
870-38331-6	SSP MW-6S	Total/NA	Water	6010D	250569
870-38331-6	SSP MW-6S	Total/NA	Water	6010D	250569
870-38331-7	SSP MW-6D	Total/NA	Water	6010D	250569
870-38331-7	SSP MW-6D	Total/NA	Water	6010D	250569
870-38331-8	AP MW-1	Total/NA	Water	6010D	250569
870-38331-8	AP MW-1	Total/NA	Water	6010D	250569
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	6010D	250569
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	6010D	250569
870-38331-10	SSP MW-3D	Total/NA	Water	6010D	250569
870-38331-10	SSP MW-3D	Total/NA	Water	6010D	250569
870-38331-11	AP MW-7S	Total/NA	Water	6010D	250569
870-38331-11	AP MW-7S	Total/NA	Water	6010D	250569
870-38331-14	FB-02	Total/NA	Water	6010D	250569
870-38331-15	SSP MW-4S	Total/NA	Water	6010D	250569

Metals (Continued)

Analysis Batch: 250862 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-15	SSP MW-4S	Total/NA	Water	6010D	250569
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	6010D	250569
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	6010D	250569
870-38331-17	SSP PZ-4S	Total/NA	Water	6010D	250569
870-38331-17	SSP PZ-4S	Total/NA	Water	6010D	250569
870-38331-18	AP MW-4S	Total/NA	Water	6010D	250569
MB 860-250569/1-A	Method Blank	Total/NA	Water	6010D	250569
MB 860-250782/1-A	Method Blank	Total/NA	Water	6010D	250782
LCS 860-250569/2-A	Lab Control Sample	Total/NA	Water	6010D	250569
LCS 860-250782/2-A	Lab Control Sample	Total/NA	Water	6010D	250782
LCSD 860-250569/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	250569
LCSD 860-250782/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	250782

Analysis Batch: 250874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Dissolved	Water	7470A	250713
870-38331-1	SSP MW-2D	Total/NA	Water	7470A	250714
870-38331-2	AP MW-3D	Total/NA	Water	7470A	250714
870-38331-3	FB-1	Total/NA	Water	7470A	250714
870-38331-4	SSP MW-5D	Total/NA	Water	7470A	250714
870-38331-5	SSP MW-5S	Total/NA	Water	7470A	250714
870-38331-6	SSP MW-6S	Total/NA	Water	7470A	250714
870-38331-7	SSP MW-6D	Total/NA	Water	7470A	250714
870-38331-8	AP MW-1	Total/NA	Water	7470A	250714
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	7470A	250714
870-38331-10	SSP MW-3D	Total/NA	Water	7470A	250714
870-38331-11	AP MW-7S	Total/NA	Water	7470A	250714
870-38331-12	AP MW-7D	Total/NA	Water	7470A	250714
870-38331-13	EB-01	Total/NA	Water	7470A	250714
870-38331-14	FB-02	Total/NA	Water	7470A	250714
LB 860-250213/1-F	Method Blank	Dissolved	Water	7470A	250713
MB 860-250713/10-A	Method Blank	Total/NA	Water	7470A	250713
MB 860-250714/1-A	Method Blank	Total/NA	Water	7470A	250714
LCS 860-250713/11-A	Lab Control Sample	Total/NA	Water	7470A	250713
LCS 860-250714/2-A	Lab Control Sample	Total/NA	Water	7470A	250714
LCSD 860-250713/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	250713
LCSD 860-250714/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	250714
870-38331-4 MS	SSP MW-5D	Total/NA	Water	7470A	250714
870-38331-4 MSD	SSP MW-5D	Total/NA	Water	7470A	250714

Analysis Batch: 250931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-18	AP MW-4S	Total/NA	Water	6020B	250549

Prep Batch: 251024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-15	SSP MW-4S	Total/NA	Water	7470A	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	7470A	
870-38331-17	SSP PZ-4S	Total/NA	Water	7470A	
870-38331-18	AP MW-4S	Total/NA	Water	7470A	
MB 860-250449/23-B	Method Blank	Total/NA	Water	7470A	250449

Metals (Continued)

Prep Batch: 251024 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-250449/24-B	Lab Control Sample	Total/NA	Water	7470A	250449
LCSD 860-250449/25-B	Lab Control Sample Dup	Total/NA	Water	7470A	250449

Analysis Batch: 251099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-12	AP MW-7D	Total/NA	Water	6020B	250775
870-38331-13	EB-01	Total/NA	Water	6020B	250775
MB 860-250775/1-A	Method Blank	Total/NA	Water	6020B	250775
LCS 860-250775/2-A	Lab Control Sample	Total/NA	Water	6020B	250775
LCSD 860-250775/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	250775

Analysis Batch: 251166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-12	AP MW-7D	Total/NA	Water	6010D	250848
870-38331-12	AP MW-7D	Total/NA	Water	6010D	250848
870-38331-13	EB-01	Total/NA	Water	6010D	250848
MB 860-250848/1-A	Method Blank	Total/NA	Water	6010D	250848
LCS 860-250848/2-A	Lab Control Sample	Total/NA	Water	6010D	250848
LCSD 860-250848/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	250848

Analysis Batch: 251299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-15	SSP MW-4S	Total/NA	Water	7470A	251024
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	7470A	251024
870-38331-17	SSP PZ-4S	Total/NA	Water	7470A	251024
870-38331-18	AP MW-4S	Total/NA	Water	7470A	251024
MB 860-250449/23-B	Method Blank	Total/NA	Water	7470A	251024
LCS 860-250449/24-B	Lab Control Sample	Total/NA	Water	7470A	251024
LCSD 860-250449/25-B	Lab Control Sample Dup	Total/NA	Water	7470A	251024

General Chemistry

Analysis Batch: 30307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	SM 2540C	
870-38331-2	AP MW-3D	Total/NA	Water	SM 2540C	
870-38331-3	FB-1	Total/NA	Water	SM 2540C	
870-38331-4	SSP MW-5D	Total/NA	Water	SM 2540C	
870-38331-5	SSP MW-5S	Total/NA	Water	SM 2540C	
870-38331-6	SSP MW-6S	Total/NA	Water	SM 2540C	
870-38331-7	SSP MW-6D	Total/NA	Water	SM 2540C	
870-38331-8	AP MW-1	Total/NA	Water	SM 2540C	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	SM 2540C	
870-38331-10	SSP MW-3D	Total/NA	Water	SM 2540C	
870-38331-11	AP MW-7S	Total/NA	Water	SM 2540C	
870-38331-12	AP MW-7D	Total/NA	Water	SM 2540C	
870-38331-13	EB-01	Total/NA	Water	SM 2540C	
870-38331-14	FB-02	Total/NA	Water	SM 2540C	
870-38331-15	SSP MW-4S	Total/NA	Water	SM 2540C	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	SM 2540C	
870-38331-17	SSP PZ-4S	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 30307 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-18	AP MW-4S	Total/NA	Water	SM 2540C	
MB 870-30307/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-30307/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-30307/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-38331-1 DU	SSP MW-2D	Total/NA	Water	SM 2540C	
870-38331-2 DU	AP MW-3D	Total/NA	Water	SM 2540C	

Analysis Batch: 30463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	SM 4500 H+ B	
870-38331-2	AP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-38331-3	FB-1	Total/NA	Water	SM 4500 H+ B	
870-38331-4	SSP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-38331-5	SSP MW-5S	Total/NA	Water	SM 4500 H+ B	
870-38331-6	SSP MW-6S	Total/NA	Water	SM 4500 H+ B	
870-38331-7	SSP MW-6D	Total/NA	Water	SM 4500 H+ B	
870-38331-8	AP MW-1	Total/NA	Water	SM 4500 H+ B	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	SM 4500 H+ B	
870-38331-10	SSP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-38331-11	AP MW-7S	Total/NA	Water	SM 4500 H+ B	
870-38331-12	AP MW-7D	Total/NA	Water	SM 4500 H+ B	
870-38331-13	EB-01	Total/NA	Water	SM 4500 H+ B	
870-38331-14	FB-02	Total/NA	Water	SM 4500 H+ B	
870-38331-15	SSP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	SM 4500 H+ B	
870-38331-17	SSP PZ-4S	Total/NA	Water	SM 4500 H+ B	
870-38331-18	AP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-38331-1 DU	SSP MW-2D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 250637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	SM 2320B	
870-38331-2	AP MW-3D	Total/NA	Water	SM 2320B	
870-38331-3	FB-1	Total/NA	Water	SM 2320B	
870-38331-4	SSP MW-5D	Total/NA	Water	SM 2320B	
870-38331-5	SSP MW-5S	Total/NA	Water	SM 2320B	
870-38331-6	SSP MW-6S	Total/NA	Water	SM 2320B	
870-38331-7	SSP MW-6D	Total/NA	Water	SM 2320B	
870-38331-8	AP MW-1	Total/NA	Water	SM 2320B	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	SM 2320B	
870-38331-10	SSP MW-3D	Total/NA	Water	SM 2320B	
870-38331-11	AP MW-7S	Total/NA	Water	SM 2320B	
870-38331-12	AP MW-7D	Total/NA	Water	SM 2320B	
870-38331-13	EB-01	Total/NA	Water	SM 2320B	
870-38331-14	FB-02	Total/NA	Water	SM 2320B	
870-38331-15	SSP MW-4S	Total/NA	Water	SM 2320B	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	SM 2320B	
870-38331-17	SSP PZ-4S	Total/NA	Water	SM 2320B	
870-38331-18	AP MW-4S	Total/NA	Water	SM 2320B	
MB 860-250637/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-250637/4	Lab Control Sample	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 250637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-250637/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-38331-1 DU	SSP MW-2D	Total/NA	Water	SM 2320B	
870-38331-2 DU	AP MW-3D	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 728733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	PrecSep-21	
870-38331-2	AP MW-3D	Total/NA	Water	PrecSep-21	
870-38331-3	FB-1	Total/NA	Water	PrecSep-21	
870-38331-4	SSP MW-5D	Total/NA	Water	PrecSep-21	
870-38331-5	SSP MW-5S	Total/NA	Water	PrecSep-21	
870-38331-6	SSP MW-6S	Total/NA	Water	PrecSep-21	
870-38331-7	SSP MW-6D	Total/NA	Water	PrecSep-21	
870-38331-8	AP MW-1	Total/NA	Water	PrecSep-21	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	PrecSep-21	
870-38331-10	SSP MW-3D	Total/NA	Water	PrecSep-21	
870-38331-11	AP MW-7S	Total/NA	Water	PrecSep-21	
870-38331-12	AP MW-7D	Total/NA	Water	PrecSep-21	
870-38331-13	EB-01	Total/NA	Water	PrecSep-21	
870-38331-14	FB-02	Total/NA	Water	PrecSep-21	
870-38331-15	SSP MW-4S	Total/NA	Water	PrecSep-21	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	PrecSep-21	
870-38331-17	SSP PZ-4S	Total/NA	Water	PrecSep-21	
870-38331-18	AP MW-4S	Total/NA	Water	PrecSep-21	
MB 160-728733/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-728733/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-728733/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 728734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	PrecSep_0	
870-38331-2	AP MW-3D	Total/NA	Water	PrecSep_0	
870-38331-3	FB-1	Total/NA	Water	PrecSep_0	
870-38331-4	SSP MW-5D	Total/NA	Water	PrecSep_0	
870-38331-5	SSP MW-5S	Total/NA	Water	PrecSep_0	
870-38331-6	SSP MW-6S	Total/NA	Water	PrecSep_0	
870-38331-7	SSP MW-6D	Total/NA	Water	PrecSep_0	
870-38331-8	AP MW-1	Total/NA	Water	PrecSep_0	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	PrecSep_0	
870-38331-10	SSP MW-3D	Total/NA	Water	PrecSep_0	
870-38331-11	AP MW-7S	Total/NA	Water	PrecSep_0	
870-38331-12	AP MW-7D	Total/NA	Water	PrecSep_0	
870-38331-13	EB-01	Total/NA	Water	PrecSep_0	
870-38331-14	FB-02	Total/NA	Water	PrecSep_0	
870-38331-15	SSP MW-4S	Total/NA	Water	PrecSep_0	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	PrecSep_0	
870-38331-17	SSP PZ-4S	Total/NA	Water	PrecSep_0	
870-38331-18	AP MW-4S	Total/NA	Water	PrecSep_0	
MB 160-728734/1-A	Method Blank	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 728734 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-728734/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-728734/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 729084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38331-1	SSP MW-2D	Total/NA	Water	Fill_Geo-21	
870-38331-2	AP MW-3D	Total/NA	Water	Fill_Geo-21	
870-38331-3	FB-1	Total/NA	Water	Fill_Geo-21	
870-38331-4	SSP MW-5D	Total/NA	Water	Fill_Geo-21	
870-38331-5	SSP MW-5S	Total/NA	Water	Fill_Geo-21	
870-38331-6	SSP MW-6S	Total/NA	Water	Fill_Geo-21	
870-38331-7	SSP MW-6D	Total/NA	Water	Fill_Geo-21	
870-38331-8	AP MW-1	Total/NA	Water	Fill_Geo-21	
870-38331-9	AP MWT-1 FD-1	Total/NA	Water	Fill_Geo-21	
870-38331-10	SSP MW-3D	Total/NA	Water	Fill_Geo-21	
870-38331-11	AP MW-7S	Total/NA	Water	Fill_Geo-21	
870-38331-12	AP MW-7D	Total/NA	Water	Fill_Geo-21	
870-38331-13	EB-01	Total/NA	Water	Fill_Geo-21	
870-38331-14	FB-02	Total/NA	Water	Fill_Geo-21	
870-38331-15	SSP MW-4S	Total/NA	Water	Fill_Geo-21	
870-38331-16	SSP MWT-4S FD-2	Total/NA	Water	Fill_Geo-21	
870-38331-17	SSP PZ-4S	Total/NA	Water	Fill_Geo-21	
870-38331-18	AP MW-4S	Total/NA	Water	Fill_Geo-21	
MB 160-729084/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-729084/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-38331-1 DU	SSP MW-2D	Total/NA	Water	Fill_Geo-21	

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-38331-1

Date Collected: 07/17/25 16:25
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			250556	07/23/25 17:16	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	250782	07/24/25 09:30	MD	EET HOU
Dissolved	Analysis	6010D		1			250862	07/24/25 15:15	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	250782	07/24/25 09:30	MD	EET HOU
Dissolved	Analysis	6010D		50			250862	07/24/25 15:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 10:29	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 10:37	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:26	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	250713	07/24/25 00:50	AGR	EET HOU
Dissolved	Analysis	7470A		1			250874	07/24/25 13:22	JDM	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:08	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 12:34	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732568	08/18/25 15:47	MLS	EET SL
Total/NA	Prep	PrecSep-21			755.81 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732140	08/15/25 14:53	SWS	EET SL
Total/NA	Prep	PrecSep_0			755.81 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732140	08/15/25 10:45	SWS	EET SL

Client Sample ID: AP MW-3D
Lab Sample ID: 870-38331-2

Date Collected: 07/17/25 12:15
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			250556	07/23/25 17:54	WP	EET HOU
Total/NA	Analysis	9056A	DL	10			250556	07/23/25 18:03	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 10:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:28	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:10	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 12:46	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732567	08/18/25 17:17	MLS	EET SL

Client Sample ID: AP MW-3D
Lab Sample ID: 870-38331-2
Date Collected: 07/17/25 12:15
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.35 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732140	08/15/25 14:53	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.35 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732140	08/15/25 10:45	SWS	EET SL

Client Sample ID: FB-1
Lab Sample ID: 870-38331-3
Date Collected: 07/17/25 13:00
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			250556	07/23/25 18:13	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 10:32	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:31	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:14	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 12:58	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:01	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732568	08/18/25 17:17	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.67 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732140	08/15/25 14:53	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.67 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732140	08/15/25 10:45	SWS	EET SL

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-38331-4
Date Collected: 07/17/25 09:25
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			250556	07/23/25 18:41	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 10:48	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 10:56	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:34	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:01	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:02	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-38331-4

Date Collected: 07/17/25 09:25
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732455	08/18/25 17:16	ASA	EET SL
Total/NA	Prep	PrecSep-21			753.93 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732140	08/15/25 14:53	SWS	EET SL
Total/NA	Prep	PrecSep_0			753.93 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732140	08/15/25 10:45	SWS	EET SL

Client Sample ID: SSP MW-5S
Lab Sample ID: 870-38331-5

Date Collected: 07/17/25 09:05
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			250556	07/23/25 19:00	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 10:49	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 10:58	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:37	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:15	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:08	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732459	08/18/25 18:41	ASA	EET SL
Total/NA	Prep	PrecSep-21			1002.32 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732140	08/15/25 14:54	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.32 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:51	SWS	EET SL

Client Sample ID: SSP MW-6S
Lab Sample ID: 870-38331-6

Date Collected: 07/17/25 11:35
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			250556	07/23/25 19:56	WP	EET HOU
Total/NA	Analysis	9056A	DL	50			250556	07/23/25 20:05	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 10:51	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:00	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:39	DP	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-38331-1
Project/Site: Appendix III/IV

Client Sample ID: SSP MW-6S
Lab Sample ID: 870-38331-6
Date Collected: 07/17/25 11:35
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:17	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:25	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732455	08/18/25 18:43	ASA	EET SL
Total/NA	Prep	PrecSep-21			1000.79 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732140	08/15/25 14:54	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.79 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:51	SWS	EET SL

Client Sample ID: SSP MW-6D
Lab Sample ID: 870-38331-7
Date Collected: 07/17/25 13:30
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			250556	07/23/25 20:15	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 10:53	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:01	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:48	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:18	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:31	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732568	08/18/25 18:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.30 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732140	08/15/25 14:54	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.30 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:51	SWS	EET SL

Client Sample ID: AP MW-1
Lab Sample ID: 870-38331-8
Date Collected: 07/17/25 16:10
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			250556	07/23/25 20:34	WP	EET HOU
Total/NA	Analysis	9056A	DL	10			250556	07/23/25 20:43	WP	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-38331-1
Project/Site: Appendix III/IV

Client Sample ID: AP MW-1
Lab Sample ID: 870-38331-8
Date Collected: 07/17/25 16:10
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 10:55	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:03	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:50	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:19	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:37	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732567	08/18/25 18:40	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.42 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732140	08/15/25 14:54	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.42 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:51	SWS	EET SL

Client Sample ID: AP MWT-1 FD-1
Lab Sample ID: 870-38331-9
Date Collected: 07/17/25 17:00
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			250556	07/23/25 20:53	WP	EET HOU
Total/NA	Analysis	9056A	DL	10			250556	07/23/25 21:02	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 11:08	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:17	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:53	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:21	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 14:12	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732453	08/18/25 18:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.10 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:00	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.10 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:51	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Client Sample ID: SSP MW-3D

Date Collected: 07/18/25 08:25
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			250556	07/23/25 21:11	WP	EET HOU
Total/NA	Analysis	9056A	DL	50			250556	07/23/25 21:21	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 11:10	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:19	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:56	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:22	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 14:01	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732453	08/18/25 20:01	MLS	EET SL
Total/NA	Prep	PrecSep-21			750.86 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:00	SWS	EET SL
Total/NA	Prep	PrecSep_0			750.86 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:51	SWS	EET SL

Client Sample ID: AP MW-7S

Date Collected: 07/18/25 12:05
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251091	07/25/25 15:41	HN	EET HOU
Total/NA	Analysis	9056A	DL	50			251091	07/25/25 15:48	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 11:12	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 01:59	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		5			250836	07/24/25 02:02	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:23	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 14:07	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732567	08/18/25 20:04	MLS	EET SL

Client Sample ID: AP MW-7S
Lab Sample ID: 870-38331-11
Date Collected: 07/18/25 12:05
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.03 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:00	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.03 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:52	SWS	EET SL

Client Sample ID: AP MW-7D
Lab Sample ID: 870-38331-12
Date Collected: 07/18/25 15:00
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251091	07/25/25 15:54	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250848	07/24/25 12:34	MD	EET HOU
Total/NA	Analysis	6010D		1			251166	07/25/25 12:50	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250848	07/24/25 12:34	MD	EET HOU
Total/NA	Analysis	6010D		50			251166	07/25/25 12:55	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250775	07/24/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			251099	07/25/25 03:25	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:26	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:43	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732568	08/18/25 20:05	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.37 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:00	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.37 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:52	SWS	EET SL

Client Sample ID: EB-01
Lab Sample ID: 870-38331-13
Date Collected: 07/18/25 13:00
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			250556	07/23/25 19:18	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250848	07/24/25 12:34	MD	EET HOU
Total/NA	Analysis	6010D		1			251166	07/25/25 12:51	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250775	07/24/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			251099	07/25/25 03:28	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:30	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:50	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL

Client Sample ID: EB-01
Lab Sample ID: 870-38331-13
Date Collected: 07/18/25 13:00
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732455	08/18/25 20:02	ASA	EET SL
Total/NA	Prep	PrecSep-21			1004.04 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:00	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.04 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:52	SWS	EET SL

Client Sample ID: FB-02
Lab Sample ID: 870-38331-14
Date Collected: 07/18/25 16:00
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			251091	07/25/25 16:07	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 11:13	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 02:04	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	250714	07/24/25 00:53	AGR	EET HOU
Total/NA	Analysis	7470A		1			250874	07/24/25 22:25	JDM	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:54	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732459	08/18/25 20:04	ASA	EET SL
Total/NA	Prep	PrecSep-21			1003.90 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:00	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.90 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:52	SWS	EET SL

Client Sample ID: SSP MW-4S
Lab Sample ID: 870-38331-15
Date Collected: 07/18/25 10:00
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			250792	07/24/25 12:03	AK1	EET HOU
Total/NA	Analysis	9056A	DL	50			250792	07/24/25 12:12	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 11:15	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 02:07	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		5			250836	07/24/25 02:10	DP	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-38331-1
Project/Site: Appendix III/IV

Client Sample ID: SSP MW-4S
Lab Sample ID: 870-38331-15
Date Collected: 07/18/25 10:00
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 01:07	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 13:58	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732452	08/18/25 20:00	MLS	EET SL
Total/NA	Prep	PrecSep-21			756.21 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:00	SWS	EET SL
Total/NA	Prep	PrecSep_0			756.21 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:52	SWS	EET SL

Client Sample ID: SSP MWT-4S FD-2
Lab Sample ID: 870-38331-16
Date Collected: 07/18/25 10:30
Matrix: Water
Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			250792	07/24/25 12:22	AK1	EET HOU
Total/NA	Analysis	9056A	DL	50			250792	07/24/25 12:31	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 11:29	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:34	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 02:13	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		5			250836	07/24/25 02:22	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 01:08	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 14:29	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 11:18	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732452	08/18/25 21:09	MLS	EET SL
Total/NA	Prep	PrecSep-21			751.05 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:01	SWS	EET SL
Total/NA	Prep	PrecSep_0			751.05 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:52	SWS	EET SL

Client Sample ID: SSP PZ-4S

Lab Sample ID: 870-38331-17

Date Collected: 07/18/25 12:40

Matrix: Water

Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			250792	07/24/25 12:59	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 11:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			250862	07/24/25 11:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 02:24	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 01:10	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 14:32	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30307	07/23/25 13:03	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732567	08/18/25 21:09	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.14 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:01	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.14 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:52	SWS	EET SL

Client Sample ID: AP MW-4S

Lab Sample ID: 870-38331-18

Date Collected: 07/18/25 16:05

Matrix: Water

Date Received: 07/22/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			250792	07/24/25 13:18	AK1	EET HOU
Total/NA	Analysis	9056A	DL	10			250792	07/24/25 13:27	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250569	07/23/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			250862	07/24/25 11:32	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			250836	07/24/25 02:27	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	250549	07/23/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		20			250931	07/24/25 14:39	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 01:11	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250637	07/23/25 14:38	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	30307	07/23/25 13:03	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729084	07/26/25 16:31	AJP	EET SL
Total/NA	Analysis	901.1		1			732568	08/18/25 21:09	MLS	EET SL
Total/NA	Prep	PrecSep-21			757.45 mL	1.0 g	728733	07/24/25 08:15	JTR	EET SL
Total/NA	Analysis	903.0		1			732145	08/15/25 15:01	SWS	EET SL
Total/NA	Prep	PrecSep_0			757.45 mL	1.0 g	728734	07/24/25 08:24	JTR	EET SL
Total/NA	Analysis	904.0		1			732145	08/15/25 10:52	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-38331-1
Project/Site: Appendix III/IV

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-38331-1
Project/Site: Appendix III/IV

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	07-28-25

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38331-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-38331-1	SSP MW-2D	Water	07/17/25 16:25	07/22/25 10:04	Texas
870-38331-2	AP MW-3D	Water	07/17/25 12:15	07/22/25 10:04	Texas
870-38331-3	FB-1	Water	07/17/25 13:00	07/22/25 10:04	Texas
870-38331-4	SSP MW-5D	Water	07/17/25 09:25	07/22/25 10:04	Texas
870-38331-5	SSP MW-5S	Water	07/17/25 09:05	07/22/25 10:04	Texas
870-38331-6	SSP MW-6S	Water	07/17/25 11:35	07/22/25 10:04	Texas
870-38331-7	SSP MW-6D	Water	07/17/25 13:30	07/22/25 10:04	Texas
870-38331-8	AP MW-1	Water	07/17/25 16:10	07/22/25 10:04	Texas
870-38331-9	AP MWT-1 FD-1	Water	07/17/25 17:00	07/22/25 10:04	Texas
870-38331-10	SSP MW-3D	Water	07/18/25 08:25	07/22/25 10:04	Texas
870-38331-11	AP MW-7S	Water	07/18/25 12:05	07/22/25 10:04	Texas
870-38331-12	AP MW-7D	Water	07/18/25 15:00	07/22/25 10:04	Texas
870-38331-13	EB-01	Water	07/18/25 13:00	07/22/25 10:04	Texas
870-38331-14	FB-02	Water	07/18/25 16:00	07/22/25 10:04	Texas
870-38331-15	SSP MW-4S	Water	07/18/25 10:00	07/22/25 10:04	Texas
870-38331-16	SSP MWT-4S FD-2	Water	07/18/25 10:30	07/22/25 10:04	Texas
870-38331-17	SSP PZ-4S	Water	07/18/25 12:40	07/22/25 10:04	Texas
870-38331-18	AP MW-4S	Water	07/18/25 16:05	07/22/25 10:04	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

Copy 1 of 3 Cooler

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8/26/2025

Client Information	Sampler: WRC / PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-13622-4449.1
Client Contact: Courtney Stewart	Phone: (979) 574-4216	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: HDR Inc	PWSID:	Analysis Requested		Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			Preservation Codes: D - HNO3 N - None
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			Other:
Email: Courtney.Stewart@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site:	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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A TOTAL METAL	6010D, 7470A DISSOLVED METALS	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/Note:
Preservation Code:							D	D	N	N	N	D	D	N	N						
SSP MW-2D	7/17/25	1625	G	Water			X	X	X	X	X	X	X	X	Y					8	
AP MW-3D	7/17/25	1215	G	Water			X	X	X	X	X	X		X	Y					7	
FB-1	7/17/25	1300	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-5D	7/17/25	0925	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-5S	7/17/25	0905	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-6S	7/17/25	1135	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-6D	7/17/25	1330	G	Water			X	X	X	X	X	X		X	X					7	
AP MW-1	7/17/25	1610	G	Water			X	X	X	X	X	X		X	X					7	
AP MWT-1 FD-1	7/17/25	1700	G	Water			X	X	X	X	X	X		X	X					7	
				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
MR Cullen	7/21/2025 1400		Fed Ex		
Relinquished by: Fed Ex	Date/Time:	Company	Received by:	Date/Time: 7/22/25 1004	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: TNM-0491 -0.3 1.6/1.2 0.6/0.3 1.6/1.3 0.8/0.5 0.6/0.3 0.4/0.1

870-38331 Chain of Custody

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

Copy 1 of 3
Cooler

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8/26/2025

Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-13622-4449.2
Client Contact: Emma Foley	Phone: (979) 574-4216	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 2 of 3 2
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Emma.Foley@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A TOTAL METALS	6010D, 7470A DISSOLVED METALS	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SSP MW-3D	7/18/25	0825	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-7S	7/18/25	1205	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-7D	7/18/25	1500	G	Water			X	X	X	X	X	X		X	X	7	
EB-01	7/18/25	1300	G	Water			X	X	X	X	X	X		X	X	7	
FB-02	7/18/25	1600	G	Water			X	X	X	X	X	X		X	X	7	
SSP MW-4S	7/18/25	1000	G	Water			X	X	X	X	X	X		X	X	7	
SSP MWT-4S FD-2	7/18/25	1030	G	Water			X	X	X	X	X	X		X	X	7	
SSP PZ-4S	7/18/25	1240	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-4S	7/18/25	1605	G	Water			X	X	X	X	X	X		X	X	7	
				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
WRC	7/21/2025				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8798.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-38331-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 7/29/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SSP MW-2D (870-38331-1)	7/17/25	16:25 Central	G	Water			X	X	X	2	
AP MW-3D (870-38331-2)	7/17/25	12:15 Central	G	Water			X	X	X	2	
FB-1 (870-38331-3)	7/17/25	13:00 Central	G	Water			X	X	X	2	
SSP MW-5D (870-38331-4)	7/17/25	09:25 Central	G	Water			X	X	X	2	
SSP MW-5S (870-38331-5)	7/17/25	09:05 Central	G	Water			X	X	X	2	
SSP MW-6S (870-38331-6)	7/17/25	11:35 Central	G	Water			X	X	X	2	
SSP MW-6D (870-38331-7)	7/17/25	13:30 Central	G	Water			X	X	X	2	
AP MW-1 (870-38331-8)	7/17/25	16:10 Central	G	Water			X	X	X	2	
AP MWT-1 FD-1 (870-38331-9)	7/17/25	17:00 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	AO	07/22/25 - 1700		JUL 22 2025	CLF 7/23/25 ~~JUL 23 2025~~	
2						
3				Cheyenne Forrest	0815 Jul 23 2025	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8798.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-38331-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 7/29/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SSP MW-3D (870-38331-10)	7/18/25	08:25 Central	G	Water			X	X	X	2	
AP MW-7S (870-38331-11)	7/18/25	12:05 Central	G	Water			X	X	X	2	
AP MW-7D (870-38331-12)	7/18/25	15:00 Central	G	Water			X	X	X	2	
EB-01 (870-38331-13)	7/18/25	13:00 Central	G	Water			X	X	X	2	
FB-02 (870-38331-14)	7/18/25	16:00 Central	G	Water			X	X	X	2	
SSP MW-4S (870-38331-15)	7/18/25	10:00 Central	G	Water			X	X	X	2	
SSP MWT-4S FD-2 (870-38331-16)	7/18/25	10:30 Central	G	Water			X	X	X	2	
SSP PZ-4S (870-38331-17)	7/18/25	12:40 Central	G	Water			X	X	X	2	
AP MW-4S (870-38331-18)	7/18/25	16:05 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FEDEX CLE 7/23/25

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
AP	07/22/25-1700		JUL 22 2025	~~JUL 23 2025~~	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				0815 7/23/25	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8801 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-38331 1
Address: 4145 Greenbriar Dr	Due Date Requested: 7/28/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	6010D/FIELD_FLTRDissolved Metals	7470A/FIELD_FLTRDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SSP MW-2D (870-38331 1)	7/17/25	16:25 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MW-3D (870-38331-2)	7/17/25	12:15 Central	G	Water			X	X	X	X	X			3	
FB-1 (870-38331-3)	7/17/25	13:00 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-5D (870-38331-4)	7/17/25	09:25 Central	G	Water			X	X	X	X	X			3	
SSP MW-5S (870-38331-5)	7/17/25	09:05 Central	G	Water			X	X	X	X	X			3	
SSP MW-6S (870-38331-6)	7/17/25	11:35 Central	G	Water			X	X	X	X	X			3	
SSP MW-6D (870-38331 7)	7/17/25	13:30 Central	G	Water			X	X	X	X	X			3	
AP MW-1 (870-38331-8)	7/17/25	16:10 Central	G	Water			X	X	X	X	X			3	
AP MWT-1 FD-1 (870-38331-9)	7/17/25	17:00 Central	G	Water			X	X	X	X	X			3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time:	Company	Received by: TPK	Date/Time:	Company
Relinquished by:	Date/Time: 07/22/25 1700	Company	Received by: JL 7 24 25	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: IR-365 3.8° ANI 3L

Ver: 10/10/2024

8/26/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8801.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-38331-1
Address: 4145 Greenbriar Dr	Due Date Requested: 7/28/2025			Preservation Codes: -
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477	PO #: N/A			
Phone: 281-240-4200(Tel)	WO #: N/A			
Email: N/A	Project #: 87002063			Other: N/A
Project Name: Appendix III/IV	SSOW#: N/A			
Site: N/A				

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SSP MW-3D (870-38331 10)	7/18/25	08:25 Central	G	Water			X	X	X	X	X			3	
AP MW-7S (870-38331 11)	7/18/25	12:05 Central	G	Water			X	X	X	X	X			3	
AP MW-7D (870-38331 12)	7/18/25	15:00 Central	G	Water			X	X	X	X	X			3	
EB-01 (870-38331-13)	7/18/25	13:00 Central	G	Water			X	X	X	X	X			3	
FB-02 (870-38331 14)	7/18/25	16:00 Central	G	Water			X	X	X	X	X			3	
SSP MW-4S (870-38331-15)	7/18/25	10:00 Central	G	Water			X	X	X	X	X			3	
SSP MWT-4S FD-2 (870-38331 16)	7/18/25	10:30 Central	G	Water			X	X	X	X	X			3	
SSP PZ-4S (870-38331 17)	7/18/25	12:40 Central	G	Water			X	X	X	X	X			3	
AP MW-4S (870-38331 18)	7/18/25	16:05 Central	G	Water			X	X	X	X	X			3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 07122125 - 1700	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:		

Ver 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38331-1

Login Number: 38331
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38331-1

Login Number: 38331
List Number: 2
Creator: Grandits, Corey

List Source: Eurofins Houston
List Creation: 07/23/25 09:38 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38331-1

Login Number: 38331
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 07/23/25 11:32 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 8/26/2025 12:57:48 PM

JOB DESCRIPTION

Appendix III/IV

JOB NUMBER

870-38385-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

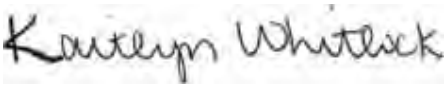
my EOL

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



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8/26/2025 12:57:48 PM

Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Job ID: 870-38385-1
Project/Site: Appendix III/IV

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

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

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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
870-38385-1

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 7/23/2025 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3°C, 3.9°C and 4.7°C.

Receipt Exceptions
The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received: Sample 2: SSP MW-5D.

The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): AP MW-5D. Sample time on containers does not match time provided on COC for missing sample SSP MW-5D. Client confirmed on 7-23-25 via email the wrong sample was on Chain-of-Custody and all samples accounted for.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-250742 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Metals
Method 6010D: The following samples were diluted to bring the concentration of target analytes within the calibration range: AP PZ-4 (870-38385-1), SFL MW-5D (870-38385-3), AP PZ-1 (870-38385-6), SFL MW-1 (cont) (870-38385-7) and SFL MW-4S (870-38385-8). Elevated reporting limits (RLs) are provided.

Method 6010D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SFL MW-5D (870-38385-3) and AP MW-5D (870-38385-9). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: The following samples were diluted to bring the concentration of target analytes within the calibration range: SFL MW-5D (870-38385-3) and AP MW-5D (870-38385-9). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: SFL MW-1 (cont) (870-38385-7). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: AP MW-5D (870-38385-9). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: AP PZ-4 (870-38385-1), SFL MW-5D (870-38385-3) and (870-38331-E-1). pH is a field test parameter with 15 minute holding time.

Method SM4500_H+: The following samples were received outside of holding time: FB-03 (870-38385-4), AP MW-1D

(870-38385-5), AP PZ-1 (870-38385-6), SFL MW-1 (cont) (870-38385-7), SFL MW-4S (870-38385-8) and AP MW-5D (870-38385-9).

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

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38385-1

Client Sample ID: AP PZ-4

Date Collected: 07/21/25 08:00
Date Received: 07/23/25 10:40

Lab Sample ID: 870-38385-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1860**		2.50	1.25	mg/L			07/26/25 00:06	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/26/25 00:06	5
Sulfate	**98.5**		2.50	1.00	mg/L			07/26/25 00:06	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.518**		0.0500	0.0162	mg/L		07/28/25 09:30	07/28/25 16:18	1
Calcium	**499**		10.0	5.08	mg/L		07/28/25 09:30	07/28/25 16:27	50
Magnesium	**18.2**		0.200	0.0445	mg/L		07/28/25 09:30	07/28/25 16:18	1
Potassium	**66.9**		0.500	0.106	mg/L		07/28/25 09:30	07/28/25 16:18	1
Sodium	**820**		25.0	7.59	mg/L		07/28/25 09:30	07/28/25 16:27	50
Lithium	**0.207**		0.0400	0.0174	mg/L		07/28/25 09:30	07/28/25 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0359**		0.0200	0.00549	mg/L		07/25/25 12:00	07/26/25 00:18	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/25/25 12:00	07/26/25 00:18	1
Arsenic	**0.00106**	**J**	0.00400	0.000690	mg/L		07/25/25 12:00	07/26/25 00:18	1
Barium	**0.165**		0.00400	0.00134	mg/L		07/25/25 12:00	07/26/25 00:18	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/25/25 12:00	07/26/25 00:18	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/25/25 12:00	07/26/25 00:18	1
Chromium	**0.000745**	**J**	0.00400	0.000560	mg/L		07/25/25 12:00	07/26/25 00:18	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/25/25 12:00	07/26/25 00:18	1
Iron	**0.0116**	**J**	0.0200	0.00445	mg/L		07/25/25 12:00	07/26/25 00:18	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/25/25 12:00	07/26/25 00:18	1
Molybdenum	**0.00225**		0.00200	0.000255	mg/L		07/25/25 12:00	07/26/25 00:18	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/25/25 12:00	07/26/25 00:18	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/25/25 12:00	07/26/25 00:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 00:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**21.0**		4.00	4.00	mg/L			07/24/25 12:22	1
Total Dissolved Solids (SM 2540C)	**4030**		20.0	20.0	mg/L			07/24/25 15:10	1
pH (SM 4500 H+ B)	**7.9**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**22.6**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	16.7	U	19.0	19.0	50.0	27.0	pCi/L	07/29/25 18:41	08/19/25 01:14	1
Radium-228	20.7	U G	34.1	34.1	50.0	51.8	pCi/L	07/29/25 18:41	08/19/25 01:14	1
Combined Radium 226 + 228	37.3	U	39.0	39.0		51.8	pCi/L	07/29/25 18:41	08/19/25 01:14	1

Client Sample ID: AP PZ-4
Lab Sample ID: 870-38385-1
Date Collected: 07/21/25 08:00
Matrix: Water
Date Received: 07/23/25 10:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.850**		0.337	0.346	1.00	0.384	pCi/L	07/28/25 08:19	08/20/25 15:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.48**		0.461	0.481	1.00	0.538	pCi/L	07/28/25 08:25	08/20/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*
Y Carrier	*83.0*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-38385-3
Date Collected: 07/21/25 14:40
Matrix: Water
Date Received: 07/23/25 10:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**836**		2.50	1.25	mg/L			07/26/25 00:44	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/26/25 00:44	5
Sulfate	**554**		2.50	1.00	mg/L			07/26/25 00:44	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.15**		0.0500	0.0162	mg/L		07/28/25 09:30	07/28/25 16:20	1
Calcium	**146**		0.200	0.102	mg/L		07/28/25 09:30	07/28/25 16:20	1
Magnesium	**16.0**		0.200	0.0445	mg/L		07/28/25 09:30	07/28/25 16:20	1
Potassium	**36.5**		0.500	0.106	mg/L		07/28/25 09:30	07/28/25 16:20	1
Sodium	**765**		25.0	7.59	mg/L		07/28/25 09:30	07/28/25 16:29	50
Lithium	**0.384**		0.0400	0.0174	mg/L		07/28/25 09:30	07/28/25 16:20	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.174**	**J**	0.200	0.0352	mg/L		07/28/25 13:30	07/29/25 12:06	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		07/28/25 13:30	07/29/25 12:06	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		07/28/25 13:30	07/29/25 12:06	1
Barium	**0.0377**		0.0100	0.00125	mg/L		07/28/25 13:30	07/29/25 12:06	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		07/28/25 13:30	07/29/25 12:06	1
Boron	**1.18**		0.0500	0.0162	mg/L		07/28/25 13:30	07/29/25 12:06	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		07/28/25 13:30	07/29/25 12:06	1
Calcium	**155**		0.200	0.102	mg/L		07/28/25 13:30	07/29/25 12:06	1
Chromium	**0.00256**	**J**	0.0100	0.00216	mg/L		07/28/25 13:30	07/29/25 12:06	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		07/28/25 13:30	07/29/25 12:06	1
Iron	**0.702**		0.200	0.0283	mg/L		07/28/25 13:30	07/29/25 12:06	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		07/28/25 13:30	07/29/25 12:06	1
Magnesium	**17.0**		0.200	0.0445	mg/L		07/28/25 13:30	07/29/25 12:06	1

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38385-1

Client Sample ID: SFL MW-5D

Date Collected: 07/21/25 14:40
Date Received: 07/23/25 10:40

Lab Sample ID: 870-38385-3

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		07/28/25 13:30	07/29/25 12:06	1
Potassium	**37.8**		0.500	0.106	mg/L		07/28/25 13:30	07/29/25 12:06	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		07/28/25 13:30	07/29/25 12:06	1
Sodium	**710**		25.0	7.59	mg/L		07/28/25 13:30	07/29/25 12:13	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		07/28/25 13:30	07/29/25 12:06	1
Li	**0.440**		0.0400	0.0174	mg/L		07/28/25 13:30	07/29/25 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.131**		0.0200	0.00549	mg/L		07/25/25 12:00	07/26/25 00:20	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/25/25 12:00	07/26/25 00:20	1
Arsenic	**0.00210**	**J**	0.00400	0.000690	mg/L		07/25/25 12:00	07/26/25 00:20	1
Barium	**0.0338**		0.00400	0.00134	mg/L		07/25/25 12:00	07/26/25 00:20	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/25/25 12:00	07/26/25 00:20	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/25/25 12:00	07/26/25 00:20	1
Chromium	**0.000705**	**J**	0.00400	0.000560	mg/L		07/25/25 12:00	07/26/25 00:20	1
Cobalt	**0.000978**	**J**	0.00200	0.000355	mg/L		07/25/25 12:00	07/26/25 00:20	1
Iron	**0.560**		0.0200	0.00445	mg/L		07/25/25 12:00	07/26/25 00:20	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/25/25 12:00	07/26/25 00:20	1
Molybdenum	**0.00710**		0.00200	0.000255	mg/L		07/25/25 12:00	07/26/25 00:20	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/25/25 12:00	07/26/25 00:20	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/25/25 12:00	07/26/25 00:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 01:12	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 00:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**243**		4.00	4.00	mg/L			07/24/25 12:28	1
Total Dissolved Solids (SM 2540C)	**2890**		20.0	20.0	mg/L			07/24/25 15:10	1
pH (SM 4500 H+ B)	**7.3**	**HF**			SU			07/29/25 14:02	1
Temperature (SM 4500 H+ B)	**22.5**	**HF**			Celsius			07/29/25 14:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-11.9	U G	22.8	22.8	50.0	69.4	pCi/L	07/29/25 18:41	08/19/25 02:26	1
Radium-228	18.2	U	26.1	26.2	50.0	39.8	pCi/L	07/29/25 18:41	08/19/25 02:26	1
Combined Radium 226 + 228	6.26	U	34.7	34.7		69.4	pCi/L	07/29/25 18:41	08/19/25 02:26	1

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-38385-3
Date Collected: 07/21/25 14:40
Matrix: Water
Date Received: 07/23/25 10:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.506**		0.261	0.264	1.00	0.322	pCi/L	07/25/25 08:27	08/18/25 19:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*07/25/25 08:27*	*08/18/25 19:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.695**		0.406	0.411	1.00	0.592	pCi/L	07/25/25 08:36	08/18/25 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:07*	*1*
Y Carrier	*81.1*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:07*	*1*

Client Sample ID: FB-03
Lab Sample ID: 870-38385-4
Date Collected: 07/21/25 13:30
Matrix: Water
Date Received: 07/23/25 10:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/24/25 19:32	1
Fluoride	<0.100	U F1	0.500	0.100	mg/L			07/24/25 19:32	1
Sulfate	**0.219**	**J**	0.500	0.200	mg/L			07/24/25 19:32	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/28/25 09:30	07/28/25 16:22	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/28/25 09:30	07/28/25 16:22	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/28/25 09:30	07/28/25 16:22	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/28/25 09:30	07/28/25 16:22	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/28/25 09:30	07/28/25 16:22	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/28/25 09:30	07/28/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/25/25 12:00	07/25/25 23:55	1
Antimony	**0.00277**		0.00200	0.000750	mg/L		07/25/25 12:00	07/25/25 23:55	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/25/25 12:00	07/25/25 23:55	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/25/25 12:00	07/25/25 23:55	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/25/25 12:00	07/25/25 23:55	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/25/25 12:00	07/25/25 23:55	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/25/25 12:00	07/25/25 23:55	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/25/25 12:00	07/25/25 23:55	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/25/25 12:00	07/25/25 23:55	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/25/25 12:00	07/25/25 23:55	1
Molybdenum	**0.000354**	**J**	0.00200	0.000255	mg/L		07/25/25 12:00	07/25/25 23:55	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/25/25 12:00	07/25/25 23:55	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/25/25 12:00	07/25/25 23:55	1

Client Sample ID: FB-03
Lab Sample ID: 870-38385-4
Date Collected: 07/21/25 13:30
Matrix: Water
Date Received: 07/23/25 10:40

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 00:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/24/25 12:34	1
Total Dissolved Solids (SM 2540C)	**3.00**		2.50	2.50	mg/L			07/24/25 15:10	1
pH (SM 4500 H+ B)	**7.0**	**HF**			SU			07/29/25 14:06	1
Temperature (SM 4500 H+ B)	**23.0**	**HF**			Celsius			07/29/25 14:06	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**46.5**		21.8	22.3	50.0	25.8	pCi/L	07/29/25 18:41	08/19/25 02:27	1
Radium-228	18.5	U	31.3	31.4	50.0	40.8	pCi/L	07/29/25 18:41	08/19/25 02:27	1
Combined Radium 226 + 228	**65.0**		38.1	38.5		40.8	pCi/L	07/29/25 18:41	08/19/25 02:27	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00416	U	0.115	0.115	1.00	0.250	pCi/L	07/25/25 08:27	08/18/25 19:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*07/25/25 08:27*	*08/18/25 19:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0163	U	0.302	0.302	1.00	0.571	pCi/L	07/25/25 08:36	08/18/25 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:07*	*1*
Y Carrier	*79.3*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:07*	*1*

Client Sample ID: AP MW-1D
Lab Sample ID: 870-38385-5
Date Collected: 07/21/25 08:30
Matrix: Water
Date Received: 07/23/25 10:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.1**		0.500	0.250	mg/L			07/24/25 19:51	1
Fluoride	**1.00**		0.500	0.100	mg/L			07/24/25 19:51	1
Sulfate	**373**		0.500	0.200	mg/L			07/24/25 19:51	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**4.38**		0.0500	0.0162	mg/L		07/28/25 09:30	07/28/25 16:24	1
Calcium	**50.9**		0.200	0.102	mg/L		07/28/25 09:30	07/28/25 16:24	1
Magnesium	**9.32**		0.200	0.0445	mg/L		07/28/25 09:30	07/28/25 16:24	1

Client Sample ID: AP MW-1D

Date Collected: 07/21/25 08:30
Date Received: 07/23/25 10:40

Lab Sample ID: 870-38385-5

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**8.85**		0.500	0.106	mg/L		07/28/25 09:30	07/28/25 16:24	1
Sodium	**192**		0.500	0.152	mg/L		07/28/25 09:30	07/28/25 16:24	1
Lithium	**0.119**		0.0400	0.0174	mg/L		07/28/25 09:30	07/28/25 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00876**	**J**	0.0200	0.00549	mg/L		07/25/25 12:00	07/26/25 00:23	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/25/25 12:00	07/26/25 00:23	1
Arsenic	**0.0116**		0.00400	0.000690	mg/L		07/25/25 12:00	07/26/25 00:23	1
Barium	**0.0103**		0.00400	0.00134	mg/L		07/25/25 12:00	07/26/25 00:23	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/25/25 12:00	07/26/25 00:23	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/25/25 12:00	07/26/25 00:23	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/25/25 12:00	07/26/25 00:23	1
Cobalt	**0.00681**		0.00200	0.000355	mg/L		07/25/25 12:00	07/26/25 00:23	1
Iron	**0.00834**	**J**	0.0200	0.00445	mg/L		07/25/25 12:00	07/26/25 00:23	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/25/25 12:00	07/26/25 00:23	1
Molybdenum	**0.0316**		0.00200	0.000255	mg/L		07/25/25 12:00	07/26/25 00:23	1
Selenium	**0.00141**	**J**	0.00200	0.000590	mg/L		07/25/25 12:00	07/26/25 00:23	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/25/25 12:00	07/26/25 00:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 00:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**101**		4.00	4.00	mg/L			07/24/25 12:39	1
Total Dissolved Solids (SM 2540C)	**615**		5.00	5.00	mg/L			07/24/25 15:10	1
pH (SM 4500 H+ B)	**6.1**	**HF**			SU			07/29/25 14:06	1
Temperature (SM 4500 H+ B)	**23.8**	**HF**			Celsius			07/29/25 14:06	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.40	U	10.5	10.5	50.0	48.2	pCi/L	07/29/25 18:41	08/19/25 07:14	1
Radium-228	-17.7	U G	26.1	26.2	50.0	57.0	pCi/L	07/29/25 18:41	08/19/25 07:14	1
Combined Radium 226 + 228	-14.3	U	28.1	28.2		57.0	pCi/L	07/29/25 18:41	08/19/25 07:14	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.290	U	0.274	0.275	1.00	0.432	pCi/L	07/25/25 08:27	08/18/25 19:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*07/25/25 08:27*	*08/18/25 19:05*	*1*

Client Sample ID: AP MW-1D

Lab Sample ID: 870-38385-5

Date Collected: 07/21/25 08:30

Matrix: Water

Date Received: 07/23/25 10:40

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.520	U	0.363	0.366	1.00	0.544	pCi/L	07/25/25 08:36	08/18/25 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:07*	*1*
Y Carrier	*83.4*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:07*	*1*

Client Sample ID: AP PZ-1

Lab Sample ID: 870-38385-6

Date Collected: 07/21/25 10:25

Matrix: Water

Date Received: 07/23/25 10:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		2.50	1.25	mg/L			07/26/25 01:03	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/26/25 01:03	5
Sulfate	**1760**		2.50	1.00	mg/L			07/26/25 01:03	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.329**		0.0500	0.0162	mg/L		07/28/25 09:30	07/28/25 16:25	1
Calcium	**905**		10.0	5.08	mg/L		07/28/25 09:30	07/28/25 16:35	50
Magnesium	**172**		0.200	0.0445	mg/L		07/28/25 09:30	07/28/25 16:25	1
Potassium	**60.1**		0.500	0.106	mg/L		07/28/25 09:30	07/28/25 16:25	1
Sodium	**985**		25.0	7.59	mg/L		07/28/25 09:30	07/28/25 16:35	50
Lithium	**3.69**		2.00	0.868	mg/L		07/28/25 09:30	07/28/25 16:35	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.297**		0.0200	0.00549	mg/L		07/25/25 12:00	07/26/25 00:26	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/25/25 12:00	07/26/25 00:26	1
Arsenic	**0.00823**		0.00400	0.000690	mg/L		07/25/25 12:00	07/26/25 00:26	1
Barium	**0.0231**		0.00400	0.00134	mg/L		07/25/25 12:00	07/26/25 00:26	1
Beryllium	**0.00546**		0.00200	0.000271	mg/L		07/25/25 12:00	07/26/25 00:26	1
Cadmium	**0.00653**		0.00200	0.000240	mg/L		07/25/25 12:00	07/26/25 00:26	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/25/25 12:00	07/26/25 00:26	1
Cobalt	**0.0537**		0.00200	0.000355	mg/L		07/25/25 12:00	07/26/25 00:26	1
Iron	**1.95**		0.0200	0.00445	mg/L		07/25/25 12:00	07/26/25 00:26	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		07/25/25 12:00	07/27/25 21:04	5
Molybdenum	**0.000522**	**J**	0.00200	0.000255	mg/L		07/25/25 12:00	07/26/25 00:26	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/25/25 12:00	07/26/25 00:26	1
Thallium	<0.00208	U	0.0100	0.00208	mg/L		07/25/25 12:00	07/27/25 21:04	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 00:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**5.94**		4.00	4.00	mg/L			07/24/25 12:56	1
Total Dissolved Solids (SM 2540C)	**6840**		20.0	20.0	mg/L			07/24/25 15:10	1

Client Sample ID: AP PZ-1
Lab Sample ID: 870-38385-6
Date Collected: 07/21/25 10:25
Matrix: Water
Date Received: 07/23/25 10:40

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	4.7	HF			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	24.2	HF			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	40.3		25.3	25.6	50.0	27.7	pCi/L	07/29/25 18:41	08/19/25 03:37	1
Radium-228	28.1	U	24.9	25.0	50.0	35.2	pCi/L	07/29/25 18:41	08/19/25 03:37	1
Combined Radium 226 + 228	68.4		35.5	35.8		35.2	pCi/L	07/29/25 18:41	08/19/25 03:37	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.01		0.536	0.601	1.00	0.336	pCi/L	07/25/25 08:27	08/18/25 19:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*07/25/25 08:27*	*08/18/25 19:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.58		0.943	1.23	1.00	0.559	pCi/L	07/25/25 08:36	08/18/25 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:07*	*1*
Y Carrier	*80.7*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:07*	*1*

Client Sample ID: SFL MW-1 (cont)
Lab Sample ID: 870-38385-7
Date Collected: 07/21/25 12:40
Matrix: Water
Date Received: 07/23/25 10:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		2.50	1.25	mg/L			07/26/25 01:22	5
Fluoride	1.31	J	2.50	0.500	mg/L			07/26/25 01:22	5
Sulfate	1450		2.50	1.00	mg/L			07/26/25 01:22	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.319		0.0500	0.0162	mg/L		07/28/25 09:30	07/28/25 16:41	1
Calcium	820		10.0	5.08	mg/L		07/28/25 09:30	07/28/25 16:44	50
Magnesium	142		0.200	0.0445	mg/L		07/28/25 09:30	07/28/25 16:41	1
Potassium	23.4		0.500	0.106	mg/L		07/28/25 09:30	07/28/25 16:41	1
Sodium	740		25.0	7.59	mg/L		07/28/25 09:30	07/28/25 16:44	50
Lithium	3.30		2.00	0.868	mg/L		07/28/25 09:30	07/28/25 16:44	50

Client Sample ID: SFL MW-1 (cont)

Lab Sample ID: 870-38385-7

Date Collected: 07/21/25 12:40

Matrix: Water

Date Received: 07/23/25 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14.6**		0.100	0.0275	mg/L		07/25/25 12:00	07/26/25 00:32	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/25/25 12:00	07/26/25 00:29	1
Arsenic	**0.0143**		0.00400	0.000690	mg/L		07/25/25 12:00	07/26/25 00:29	1
Barium	**0.0214**		0.00400	0.00134	mg/L		07/25/25 12:00	07/26/25 00:29	1
Beryllium	**0.0547**		0.00200	0.000271	mg/L		07/25/25 12:00	07/26/25 00:29	1
Cadmium	**0.0229**		0.00200	0.000240	mg/L		07/25/25 12:00	07/26/25 00:29	1
Chromium	**0.00175**	**J**	0.00400	0.000560	mg/L		07/25/25 12:00	07/26/25 00:29	1
Cobalt	**0.290**		0.00200	0.000355	mg/L		07/25/25 12:00	07/26/25 00:29	1
Iron	**7.04**		0.0200	0.00445	mg/L		07/25/25 12:00	07/26/25 00:29	1
Lead	**0.00414**	**J**	0.0100	0.00184	mg/L		07/25/25 12:00	07/26/25 00:32	5
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/25/25 12:00	07/26/25 00:29	1
Selenium	**0.000840**	**J**	0.00200	0.000590	mg/L		07/25/25 12:00	07/26/25 00:29	1
Thallium	**0.00740**	**J**	0.0100	0.00208	mg/L		07/25/25 12:00	07/26/25 00:32	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 00:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/24/25 13:02	1
Total Dissolved Solids (SM 2540C)	**6380**		20.0	20.0	mg/L			07/24/25 15:10	1
pH (SM 4500 H+ B)	**4.0**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**24.1**	**HF**			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**41.8**		23.7	24.1	50.0	30.3	pCi/L	07/29/25 18:41	08/19/25 03:41	1
Radium-228	16.8	U	28.0	28.1	50.0	44.8	pCi/L	07/29/25 18:41	08/19/25 03:41	1
Combined Radium 226 + 228	**58.5**		36.7	37.0		44.8	pCi/L	07/29/25 18:41	08/19/25 03:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.954**		0.336	0.346	1.00	0.351	pCi/L	07/25/25 08:27	08/18/25 19:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*07/25/25 08:27*	*08/18/25 19:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.542	U	0.397	0.401	1.00	0.609	pCi/L	07/25/25 08:36	08/18/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:08*	*1*

Client Sample ID: SFL MW-1 (cont)
Lab Sample ID: 870-38385-7
Date Collected: 07/21/25 12:40
Matrix: Water
Date Received: 07/23/25 10:40

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	80.4		30 - 110	07/25/25 08:36	08/18/25 12:08	1

Client Sample ID: SFL MW-4S
Lab Sample ID: 870-38385-8
Date Collected: 07/21/25 15:40
Matrix: Water
Date Received: 07/23/25 10:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4010**		25.0	12.5	mg/L			07/26/25 01:50	50
Fluoride	<0.500	U	2.50	0.500	mg/L			07/26/25 01:40	5
Sulfate	**2080**		2.50	1.00	mg/L			07/26/25 01:40	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.76**		0.0500	0.0162	mg/L		07/28/25 09:30	07/28/25 16:42	1
Calcium	**975**		10.0	5.08	mg/L		07/28/25 09:30	07/28/25 16:46	50
Magnesium	**277**		0.200	0.0445	mg/L		07/28/25 09:30	07/28/25 16:42	1
Potassium	**82.4**		0.500	0.106	mg/L		07/28/25 09:30	07/28/25 16:42	1
Sodium	**1430**		25.0	7.59	mg/L		07/28/25 09:30	07/28/25 16:46	50
Lithium	**3.61**		2.00	0.868	mg/L		07/28/25 09:30	07/28/25 16:46	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.78**		0.100	0.0275	mg/L		07/25/25 12:00	07/27/25 21:07	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/25/25 12:00	07/26/25 00:35	1
Arsenic	**0.00495**		0.00400	0.000690	mg/L		07/25/25 12:00	07/26/25 00:35	1
Barium	**0.0483**		0.00400	0.00134	mg/L		07/25/25 12:00	07/26/25 00:35	1
Beryllium	**0.0494**		0.00200	0.000271	mg/L		07/25/25 12:00	07/26/25 00:35	1
Cadmium	**0.0365**		0.00200	0.000240	mg/L		07/25/25 12:00	07/26/25 00:35	1
Chromium	**0.00582**		0.00400	0.000560	mg/L		07/25/25 12:00	07/26/25 00:35	1
Cobalt	**0.109**		0.00200	0.000355	mg/L		07/25/25 12:00	07/26/25 00:35	1
Iron	**0.175**		0.0200	0.00445	mg/L		07/25/25 12:00	07/26/25 00:35	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		07/25/25 12:00	07/27/25 21:07	5
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/25/25 12:00	07/26/25 00:35	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/25/25 12:00	07/26/25 00:35	1
Thallium	**0.00450**	**J**	0.0100	0.00208	mg/L		07/25/25 12:00	07/27/25 21:07	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 01:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**6.31**		4.00	4.00	mg/L			07/24/25 13:06	1
Total Dissolved Solids (SM 2540C)	**6280**		100	100	mg/L			07/24/25 15:10	1
pH (SM 4500 H+ B)	**4.4**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**23.9**	**HF**			Celsius			07/29/25 14:07	1

Client Sample ID: SFL MW-4S

Lab Sample ID: 870-38385-8

Date Collected: 07/21/25 15:40

Matrix: Water

Date Received: 07/23/25 10:40

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**96.1**		23.0	24.9	50.0	18.0	pCi/L	07/29/25 18:41	08/19/25 03:41	1
Radium-228	15.4	U	33.3	33.4	50.0	49.2	pCi/L	07/29/25 18:41	08/19/25 03:41	1
Combined Radium 226 + 228	**112**		40.5	41.7		49.2	pCi/L	07/29/25 18:41	08/19/25 03:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.26**		0.447	0.491	1.00	0.278	pCi/L	07/25/25 08:27	08/18/25 19:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*07/25/25 08:27*	*08/18/25 19:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**6.49**		0.816	1.01	1.00	0.522	pCi/L	07/25/25 08:36	08/18/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:08*	*1*
Y Carrier	*78.1*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:08*	*1*

Client Sample ID: AP MW-5D

Lab Sample ID: 870-38385-9

Date Collected: 07/21/25 10:50

Matrix: Water

Date Received: 07/23/25 10:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1570**		2.50	1.25	mg/L			07/26/25 01:59	5
Fluoride	**3.67**		2.50	0.500	mg/L			07/26/25 01:59	5
Sulfate	**2910**		25.0	10.0	mg/L			07/26/25 02:09	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.35**		0.0500	0.0162	mg/L		07/28/25 13:30	07/29/25 12:08	1
Calcium	**550**		10.0	5.08	mg/L		07/28/25 13:30	07/29/25 12:14	50
Magnesium	**166**		0.200	0.0445	mg/L		07/28/25 13:30	07/29/25 12:08	1
Potassium	**68.5**		0.500	0.106	mg/L		07/28/25 13:30	07/29/25 12:08	1
Sodium	**1070**		25.0	7.59	mg/L		07/28/25 13:30	07/29/25 12:14	50
Lithium	**0.961**		0.0400	0.0174	mg/L		07/28/25 13:30	07/29/25 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**28.6**		0.100	0.0275	mg/L		07/25/25 12:00	07/27/25 21:10	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/25/25 12:00	07/26/25 00:38	1
Arsenic	**0.0121**		0.00400	0.000690	mg/L		07/25/25 12:00	07/26/25 00:38	1
Barium	**0.0101**		0.00400	0.00134	mg/L		07/25/25 12:00	07/26/25 00:38	1
Beryllium	**0.156**		0.0100	0.00136	mg/L		07/25/25 12:00	07/27/25 21:10	5

Client Sample ID: AP MW-5D

Date Collected: 07/21/25 10:50
Date Received: 07/23/25 10:40

Lab Sample ID: 870-38385-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.00253**		0.00200	0.000240	mg/L		07/25/25 12:00	07/26/25 00:38	1
Chromium	**0.000598**	**J**	0.00400	0.000560	mg/L		07/25/25 12:00	07/26/25 00:38	1
Cobalt	**0.0528**		0.00200	0.000355	mg/L		07/25/25 12:00	07/26/25 00:38	1
Iron	**5.70**		0.0200	0.00445	mg/L		07/25/25 12:00	07/26/25 00:38	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		07/25/25 12:00	07/27/25 21:10	5
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/25/25 12:00	07/26/25 00:38	1
Selenium	<0.00295	U	0.0100	0.00295	mg/L		07/25/25 12:00	07/26/25 00:41	5
Thallium	<0.00208	U	0.0100	0.00208	mg/L		07/25/25 12:00	07/27/25 21:10	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 01:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/24/25 13:11	1
Total Dissolved Solids (SM 2540C)	**6640**		20.0	20.0	mg/L			07/24/25 15:10	1
pH (SM 4500 H+ B)	**3.7**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**23.7**	**HF**			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	24.1	U	25.3	25.5	50.0	31.0	pCi/L	07/29/25 18:41	08/19/25 07:15	1
Radium-228	**35.7**		22.9	23.2	50.0	23.6	pCi/L	07/29/25 18:41	08/19/25 07:15	1
Combined Radium 226 + 228	**59.8**		34.1	34.5		31.0	pCi/L	07/29/25 18:41	08/19/25 07:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.34**		0.371	0.391	1.00	0.303	pCi/L	07/25/25 08:27	08/18/25 19:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*07/25/25 08:27*	*08/18/25 19:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.27**		0.645	0.711	1.00	0.587	pCi/L	07/25/25 08:36	08/18/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:08*	*1*
Y Carrier	*77.0*		*30 - 110*	*07/25/25 08:36*	*08/18/25 12:08*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38385-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
870-38385-1	AP PZ-4	89.8
870-38385-3	SFL MW-5D	89.7
870-38385-4	FB-03	90.4
870-38385-5	AP MW-1D	85.9
870-38385-6	AP PZ-1	90.4
870-38385-7	SFL MW-1 (cont)	89.7
870-38385-8	SFL MW-4S	99.5
870-38385-9	AP MW-5D	90.7
LCS 160-728965/2-A	Lab Control Sample	88.4
LCS 160-729209/2-A	Lab Control Sample	96.8
MB 160-728965/1-A	Method Blank	91.4
MB 160-729209/1-A	Method Blank	93.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
870-38385-1	AP PZ-4	89.8	83.0
870-38385-3	SFL MW-5D	89.7	81.1
870-38385-4	FB-03	90.4	79.3
870-38385-5	AP MW-1D	85.9	83.4
870-38385-6	AP PZ-1	90.4	80.7
870-38385-7	SFL MW-1 (cont)	89.7	80.4
870-38385-8	SFL MW-4S	99.5	78.1
870-38385-9	AP MW-5D	90.7	77.0
LCS 160-728966/2-A	Lab Control Sample	88.4	78.1
LCS 160-729211/2-A	Lab Control Sample	96.8	79.6
MB 160-728966/1-A	Method Blank	91.4	81.9
MB 160-729211/1-A	Method Blank	93.3	79.6

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-250742/3
Matrix: Water
Analysis Batch: 250742

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/24/25 09:20	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/24/25 09:20	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/24/25 09:20	1

Lab Sample ID: MB 860-250742/96
Matrix: Water
Analysis Batch: 250742

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/24/25 19:13	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/24/25 19:13	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/24/25 19:13	1

Lab Sample ID: LCS 860-250742/97
Matrix: Water
Analysis Batch: 250742

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.30		mg/L		103	90 - 110
Fluoride	10.0	10.75		mg/L		107	90 - 110
Sulfate	10.0	10.28		mg/L		103	90 - 110

Lab Sample ID: LCSD 860-250742/98
Matrix: Water
Analysis Batch: 250742

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
Chloride	10.0	10.43		mg/L		104	90 - 110	1	20
Fluoride	10.0	10.83		mg/L		108	90 - 110	1	20
Sulfate	10.0	10.30		mg/L		103	90 - 110	0	20

Lab Sample ID: LLCS 860-250742/7
Matrix: Water
Analysis Batch: 250742

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5328		mg/L		107	50 - 150
Fluoride	0.500	0.3694	J	mg/L		74	50 - 150
Sulfate	0.500	0.5460		mg/L		109	50 - 150

Lab Sample ID: 870-38385-4 MS
Matrix: Water
Analysis Batch: 250742

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.250	U	10.0	10.46		mg/L		105	90 - 110
Fluoride	<0.100	U F1	10.0	8.773	F1	mg/L		88	90 - 110
Sulfate	0.219	J	10.0	10.33		mg/L		101	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-38385-4 MSD
Matrix: Water
Analysis Batch: 250742

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.250	U	10.0	10.46		mg/L		105	90 - 110	0	15
Fluoride	<0.100	U F1	10.0	8.663	F1	mg/L		87	90 - 110	1	15
Sulfate	0.219	J	10.0	10.36		mg/L		101	90 - 110	0	15

Lab Sample ID: MB 860-251152/3
Matrix: Water
Analysis Batch: 251152

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/25/25 14:17	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/25/25 14:17	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/25/25 14:17	1

Lab Sample ID: MB 860-251152/45
Matrix: Water
Analysis Batch: 251152

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/25/25 22:50	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/25/25 22:50	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/25/25 22:50	1

Lab Sample ID: LCS 860-251152/46
Matrix: Water
Analysis Batch: 251152

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.838		mg/L		98	90 - 110
Fluoride	10.0	9.967		mg/L		100	90 - 110
Sulfate	10.0	9.703		mg/L		97	90 - 110

Lab Sample ID: LCSD 860-251152/47
Matrix: Water
Analysis Batch: 251152

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
Chloride	10.0	9.936		mg/L		99	90 - 110	1	20
Fluoride	10.0	10.00		mg/L		100	90 - 110	0	20
Sulfate	10.0	9.765		mg/L		98	90 - 110	1	20

Lab Sample ID: LLCS 860-251152/7
Matrix: Water
Analysis Batch: 251152

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5140		mg/L		103	50 - 150
Fluoride	0.500	0.4866	J	mg/L		97	50 - 150
Sulfate	0.500	0.4807	J	mg/L		96	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-251439/1-A
Matrix: Water
Analysis Batch: 251678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/28/25 09:30	07/28/25 15:12	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/28/25 09:30	07/28/25 15:12	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/28/25 09:30	07/28/25 15:12	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/28/25 09:30	07/28/25 15:12	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/28/25 09:30	07/28/25 15:12	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/28/25 09:30	07/28/25 15:12	1

Lab Sample ID: LCS 860-251439/2-A
Matrix: Water
Analysis Batch: 251678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	24.40		mg/L		98	80 - 120
Magnesium	25.0	24.30		mg/L		97	80 - 120
Potassium	10.0	10.00		mg/L		100	80 - 120
Sodium	25.0	24.40		mg/L		98	80 - 120
Lithium	1.00	1.020		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-251439/3-A
Matrix: Water
Analysis Batch: 251678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251439

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.010		mg/L		101	80 - 120	0	20
Calcium	25.0	24.40		mg/L		98	80 - 120	0	20
Magnesium	25.0	24.30		mg/L		97	80 - 120	0	20
Potassium	10.0	10.00		mg/L		100	80 - 120	0	20
Sodium	25.0	24.40		mg/L		98	80 - 120	0	20
Lithium	1.00	1.020		mg/L		102	80 - 120	0	20

Lab Sample ID: MB 860-251206/1-C
Matrix: Water
Analysis Batch: 251829

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 251510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		07/28/25 13:30	07/29/25 11:26	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		07/28/25 13:30	07/29/25 11:26	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		07/28/25 13:30	07/29/25 11:26	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		07/28/25 13:30	07/29/25 11:26	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		07/28/25 13:30	07/29/25 11:26	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/28/25 13:30	07/29/25 11:26	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		07/28/25 13:30	07/29/25 11:26	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/28/25 13:30	07/29/25 11:26	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		07/28/25 13:30	07/29/25 11:26	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		07/28/25 13:30	07/29/25 11:26	1
Iron	<0.0283	U	0.200	0.0283	mg/L		07/28/25 13:30	07/29/25 11:26	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		07/28/25 13:30	07/29/25 11:26	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/28/25 13:30	07/29/25 11:26	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-251206/1-C
Matrix: Water
Analysis Batch: 251829

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 251510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		07/28/25 13:30	07/29/25 11:26	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/28/25 13:30	07/29/25 11:26	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		07/28/25 13:30	07/29/25 11:26	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/28/25 13:30	07/29/25 11:26	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		07/28/25 13:30	07/29/25 11:26	1
Li	<0.0174	U	0.0400	0.0174	mg/L		07/28/25 13:30	07/29/25 11:26	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/28/25 13:30	07/29/25 11:26	1

Lab Sample ID: LCS 860-251206/2-C
Matrix: Water
Analysis Batch: 251829

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 251510

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.940		mg/L		99	80 - 120
Antimony	1.00	0.9450		mg/L		95	80 - 120
Arsenic	1.00	0.9700		mg/L		97	80 - 120
Barium	1.00	0.9560		mg/L		96	80 - 120
Beryllium	1.00	0.9890		mg/L		99	80 - 120
Boron	1.00	0.9880		mg/L		99	80 - 120
Cadmium	1.00	0.9640		mg/L		96	80 - 120
Calcium	25.0	24.70		mg/L		99	80 - 120
Chromium	1.00	0.9700		mg/L		97	80 - 120
Cobalt	1.00	0.9480		mg/L		95	80 - 120
Iron	5.00	5.140		mg/L		103	80 - 120
Lead	1.00	1.000		mg/L		100	80 - 120
Magnesium	25.0	24.70		mg/L		99	80 - 120
Molybdenum	1.00	0.9540		mg/L		95	80 - 120
Potassium	10.0	9.900		mg/L		99	80 - 120
Selenium	1.00	1.050		mg/L		105	80 - 120
Sodium	25.0	24.20		mg/L		97	80 - 120
Thallium	1.00	1.030		mg/L		103	80 - 120
Li	1.00	0.9550		mg/L		96	80 - 120
Lithium	1.00	0.9550		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-251206/3-C
Matrix: Water
Analysis Batch: 251829

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 251510

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.940		mg/L		99	80 - 120	0	20
Antimony	1.00	0.9680		mg/L		97	80 - 120	2	20
Arsenic	1.00	0.9730		mg/L		97	80 - 120	0	20
Barium	1.00	0.9570		mg/L		96	80 - 120	0	20
Beryllium	1.00	0.9910		mg/L		99	80 - 120	0	20
Boron	1.00	0.9880		mg/L		99	80 - 120	0	20
Cadmium	1.00	0.9650		mg/L		97	80 - 120	0	20
Calcium	25.0	24.80		mg/L		99	80 - 120	0	20
Chromium	1.00	0.9730		mg/L		97	80 - 120	0	20
Cobalt	1.00	0.9490		mg/L		95	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-251206/3-C
Matrix: Water
Analysis Batch: 251829

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 251510

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	5.00	5.140		mg/L		103	80 - 120	0	20
Lead	1.00	1.000		mg/L		100	80 - 120	0	20
Magnesium	25.0	24.70		mg/L		99	80 - 120	0	20
Molybdenum	1.00	0.9630		mg/L		96	80 - 120	1	20
Potassium	10.0	9.890		mg/L		99	80 - 120	0	20
Selenium	1.00	1.060		mg/L		106	80 - 120	1	20
Sodium	25.0	24.20		mg/L		97	80 - 120	0	20
Thallium	1.00	1.030		mg/L		103	80 - 120	0	20
Li	1.00	0.9570		mg/L		96	80 - 120	0	20
Lithium	1.00	0.9570		mg/L		96	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-251128/1-A
Matrix: Water
Analysis Batch: 251366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/25/25 12:00	07/25/25 23:47	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/25/25 12:00	07/25/25 23:47	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/25/25 12:00	07/25/25 23:47	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/25/25 12:00	07/25/25 23:47	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/25/25 12:00	07/25/25 23:47	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/25/25 12:00	07/25/25 23:47	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/25/25 12:00	07/25/25 23:47	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/25/25 12:00	07/25/25 23:47	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/25/25 12:00	07/25/25 23:47	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/25/25 12:00	07/25/25 23:47	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/25/25 12:00	07/25/25 23:47	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/25/25 12:00	07/25/25 23:47	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/25/25 12:00	07/25/25 23:47	1

Lab Sample ID: LCS 860-251128/2-A
Matrix: Water
Analysis Batch: 251366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4951		mg/L		99	80 - 120
Antimony	0.100	0.08936		mg/L		89	80 - 120
Arsenic	0.100	0.09965		mg/L		100	80 - 120
Barium	0.100	0.09280		mg/L		93	80 - 120
Beryllium	0.100	0.08993		mg/L		90	80 - 120
Cadmium	0.100	0.09616		mg/L		96	80 - 120
Chromium	0.100	0.09988		mg/L		100	80 - 120
Cobalt	0.100	0.09899		mg/L		99	80 - 120
Iron	0.500	0.4746		mg/L		95	80 - 120
Lead	0.100	0.09860		mg/L		99	80 - 120
Molybdenum	0.100	0.09557		mg/L		96	80 - 120
Selenium	0.100	0.1002		mg/L		100	80 - 120

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

Lab Sample ID: LCS 860-251128/2-A
Matrix: Water
Analysis Batch: 251366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251128

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Thallium			0.100	0.1007		mg/L		101	80 - 120		

Lab Sample ID: LCSD 860-251128/3-A
Matrix: Water
Analysis Batch: 251366

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251128

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			0.500	0.5068		mg/L		101	80 - 120	2	20
Antimony			0.100	0.09114		mg/L		91	80 - 120	2	20
Arsenic			0.100	0.1010		mg/L		101	80 - 120	1	20
Barium			0.100	0.09420		mg/L		94	80 - 120	1	20
Beryllium			0.100	0.09206		mg/L		92	80 - 120	2	20
Cadmium			0.100	0.09652		mg/L		97	80 - 120	0	20
Chromium			0.100	0.1001		mg/L		100	80 - 120	0	20
Cobalt			0.100	0.09865		mg/L		99	80 - 120	0	20
Iron			0.500	0.4780		mg/L		96	80 - 120	1	20
Lead			0.100	0.09953		mg/L		100	80 - 120	1	20
Molybdenum			0.100	0.09653		mg/L		97	80 - 120	1	20
Selenium			0.100	0.1019		mg/L		102	80 - 120	2	20
Thallium			0.100	0.1013		mg/L		101	80 - 120	1	20

Lab Sample ID: 870-38385-4 MS
Matrix: Water
Analysis Batch: 251366

Client Sample ID: FB-03
Prep Type: Total/NA
Prep Batch: 251128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	<0.00549	U	0.500	0.4969		mg/L		99	75 - 125		
Antimony	0.00277		0.100	0.09184		mg/L		89	75 - 125		
Arsenic	<0.000690	U	0.100	0.09531		mg/L		95	75 - 125		
Barium	<0.00134	U	0.100	0.08728		mg/L		87	75 - 125		
Beryllium	<0.000271	U	0.100	0.08643		mg/L		86	75 - 125		
Cadmium	<0.000240	U	0.100	0.09152		mg/L		92	75 - 125		
Chromium	<0.000560	U	0.100	0.09575		mg/L		96	75 - 125		
Cobalt	<0.000355	U	0.100	0.09558		mg/L		96	75 - 125		
Iron	<0.00445	U	0.500	0.4540		mg/L		91	75 - 125		
Lead	<0.000367	U	0.100	0.1020		mg/L		102	75 - 125		
Molybdenum	0.000354	J	0.100	0.09227		mg/L		92	75 - 125		
Selenium	<0.000590	U	0.100	0.09806		mg/L		98	75 - 125		
Thallium	<0.000415	U	0.100	0.1045		mg/L		105	75 - 125		

Lab Sample ID: 870-38385-4 MSD
Matrix: Water
Analysis Batch: 251366

Client Sample ID: FB-03
Prep Type: Total/NA
Prep Batch: 251128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<0.00549	U	0.500	0.4877		mg/L		98	75 - 125	2	20
Antimony	0.00277		0.100	0.09174		mg/L		89	75 - 125	0	20
Arsenic	<0.000690	U	0.100	0.09634		mg/L		96	75 - 125	1	20
Barium	<0.00134	U	0.100	0.08910		mg/L		89	75 - 125	2	20

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

Lab Sample ID: 870-38385-4 MSD — **Client Sample ID: FB-03**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 251366 — **Prep Batch: 251128**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.000271	U	0.100	0.08562		mg/L		86	75 - 125	1	20
Cadmium	<0.000240	U	0.100	0.09240		mg/L		92	75 - 125	1	20
Chromium	<0.000560	U	0.100	0.09669		mg/L		97	75 - 125	1	20
Cobalt	<0.000355	U	0.100	0.09608		mg/L		96	75 - 125	1	20
Iron	<0.00445	U	0.500	0.4580		mg/L		92	75 - 125	1	20
Lead	<0.000367	U	0.100	0.1014		mg/L		101	75 - 125	1	20
Molybdenum	0.000354	J	0.100	0.09306		mg/L		93	75 - 125	1	20
Selenium	<0.000590	U	0.100	0.09848		mg/L		98	75 - 125	0	20
Thallium	<0.000415	U	0.100	0.1035		mg/L		104	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-250449/23-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 251299 — **Prep Batch: 251024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/25/25 02:30	07/26/25 00:34	1

Lab Sample ID: LCS 860-250449/24-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 251299 — **Prep Batch: 251024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001990		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-250449/25-B — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 251299 — **Prep Batch: 251024**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002020		mg/L		101	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-250883/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 250883

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			07/24/25 10:38	1

Lab Sample ID: LCS 860-250883/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 250883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	240.9		mg/L		96	85 - 115

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-250883/5
Matrix: Water
Analysis Batch: 250883

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
Alkalinity			250	240.5		mg/L		96	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-30370/1
Matrix: Water
Analysis Batch: 30370

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			07/24/25 15:10	1

Lab Sample ID: LCS 870-30370/2
Matrix: Water
Analysis Batch: 30370

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	928.0		mg/L		93	80 - 120		

Lab Sample ID: LCSD 870-30370/3
Matrix: Water
Analysis Batch: 30370

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
Total Dissolved Solids			1000	1008		mg/L		101	80 - 120	8	10

Lab Sample ID: 870-38385-1 DU
Matrix: Water
Analysis Batch: 30370

Client Sample ID: AP PZ-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	4030			3796		mg/L				6	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-38385-3 DU
Matrix: Water
Analysis Batch: 30463

Client Sample ID: SFL MW-5D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.3	HF		7.3		SU				0.4	20
Temperature	22.5	HF		22.5		Celsius				0	20

Lab Sample ID: 870-38385-4 DU
Matrix: Water
Analysis Batch: 30464

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.0	HF		6.8		SU				4	20
Temperature	23.0	HF		22.8		Celsius				0.9	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-729608/1-A
Matrix: Water
Analysis Batch: 732644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729608

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	25.38	U	17.9	18.1	50.0	27.4	pCi/L	07/29/25 18:41	08/19/25 01:13	1
Radium-228	16.65	U G	30.4	30.4	50.0	50.9	pCi/L	07/29/25 18:41	08/19/25 01:13	1
Combined Radium 226 + 228	42.03	U	35.3	35.4		50.9	pCi/L	07/29/25 18:41	08/19/25 01:13	1

Lab Sample ID: LCS 160-729608/2-A
Matrix: Water
Analysis Batch: 732636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 729608

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	138500		15100		868	pCi/L	97	75 - 125
Cesium-137	37800	38150		3790		172	pCi/L	101	75 - 125
Cobalt-60	52100	50250		4900		101	pCi/L	96	75 - 125

Lab Sample ID: 870-38385-1 DU
Matrix: Water
Analysis Batch: 732636

Client Sample ID: AP PZ-4
Prep Type: Total/NA
Prep Batch: 729608

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	16.7	U	24.44	U G	35.7	50.0	62.4	pCi/L	0.14	1
Radium-228	20.7	U G	0.8854	U G	2.78	50.0	57.9	pCi/L	0.54	1
Combined Radium 226 + 228	37.3	U	25.33	U	35.8		62.4	pCi/L	0.16	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-728965/1-A
Matrix: Water
Analysis Batch: 732446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728965

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1254	U	0.213	0.213	1.00	0.370	pCi/L	07/25/25 08:27	08/18/25 19:04	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*07/25/25 08:27*	*08/18/25 19:04*	*1*

Lab Sample ID: LCS 160-728965/2-A
Matrix: Water
Analysis Batch: 732446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728965

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.57	9.211		1.23	1.00	0.353	pCi/L	96	75 - 125

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-728965/2-A
Matrix: Water
Analysis Batch: 732446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728965

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.4		30 - 110

Lab Sample ID: MB 160-729209/1-A
Matrix: Water
Analysis Batch: 732822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729209

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.07390	U	0.178	0.179	1.00	0.387	pCi/L	07/28/25 08:19	08/20/25 15:46	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110	07/28/25 08:19	08/20/25 15:46	1

Lab Sample ID: LCS 160-729209/2-A
Matrix: Water
Analysis Batch: 732822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 729209

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	9.371		1.24	1.00	0.341	pCi/L	98	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-728966/1-A
Matrix: Water
Analysis Batch: 732446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728966

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1153	U	0.337	0.337	1.00	0.595	pCi/L	07/25/25 08:36	08/18/25 12:07	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110	07/25/25 08:36	08/18/25 12:07	1
Y Carrier	81.9		30 - 110	07/25/25 08:36	08/18/25 12:07	1

Lab Sample ID: LCS 160-728966/2-A
Matrix: Water
Analysis Batch: 732446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728966

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.15	9.824		1.36	1.00	0.597	pCi/L	107	75 - 125		

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-728966/2-A
Matrix: Water
Analysis Batch: 732446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728966

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.4		30 - 110
Y Carrier	78.1		30 - 110

Lab Sample ID: MB 160-729211/1-A
Matrix: Water
Analysis Batch: 732822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729211

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4203	U	0.371	0.373	1.00	0.588	pCi/L	07/28/25 08:25	08/20/25 11:56	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110	07/28/25 08:25	08/20/25 11:56	1
Y Carrier	79.6		30 - 110	07/28/25 08:25	08/20/25 11:56	1

Lab Sample ID: LCS 160-729211/2-A
Matrix: Water
Analysis Batch: 732822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 729211

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.15	9.339		1.27	1.00	0.525	pCi/L	102	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	79.6		30 - 110

HPLC/IC

Analysis Batch: 250742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-4	FB-03	Total/NA	Water	9056A	
870-38385-5	AP MW-1D	Total/NA	Water	9056A	
MB 860-250742/3	Method Blank	Total/NA	Water	9056A	
MB 860-250742/96	Method Blank	Total/NA	Water	9056A	
LCS 860-250742/97	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-250742/98	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-250742/7	Lab Control Sample	Total/NA	Water	9056A	
870-38385-4 MS	FB-03	Total/NA	Water	9056A	
870-38385-4 MSD	FB-03	Total/NA	Water	9056A	

Analysis Batch: 251152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	9056A	
870-38385-3	SFL MW-5D	Total/NA	Water	9056A	
870-38385-6	AP PZ-1	Total/NA	Water	9056A	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	9056A	
870-38385-8	SFL MW-4S	Total/NA	Water	9056A	
870-38385-8	SFL MW-4S	Total/NA	Water	9056A	
870-38385-9	AP MW-5D	Total/NA	Water	9056A	
870-38385-9	AP MW-5D	Total/NA	Water	9056A	
MB 860-251152/3	Method Blank	Total/NA	Water	9056A	
MB 860-251152/45	Method Blank	Total/NA	Water	9056A	
LCS 860-251152/46	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-251152/47	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-251152/7	Lab Control Sample	Total/NA	Water	9056A	

Metals

Filtration Batch: 250449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-250449/23-B	Method Blank	Dissolved	Water	Filtration	
LCS 860-250449/24-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-250449/25-B	Lab Control Sample Dup	Dissolved	Water	Filtration	

Prep Batch: 251024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	7470A	
870-38385-3	SFL MW-5D	Dissolved	Water	7470A	
870-38385-3	SFL MW-5D	Total/NA	Water	7470A	
870-38385-4	FB-03	Total/NA	Water	7470A	
870-38385-5	AP MW-1D	Total/NA	Water	7470A	
870-38385-6	AP PZ-1	Total/NA	Water	7470A	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	7470A	
870-38385-8	SFL MW-4S	Total/NA	Water	7470A	
870-38385-9	AP MW-5D	Total/NA	Water	7470A	
MB 860-250449/23-B	Method Blank	Dissolved	Water	7470A	250449
LCS 860-250449/24-B	Lab Control Sample	Dissolved	Water	7470A	250449
LCSD 860-250449/25-B	Lab Control Sample Dup	Dissolved	Water	7470A	250449

Metals

Prep Batch: 251128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	3010A	
870-38385-3	SFL MW-5D	Total/NA	Water	3010A	
870-38385-4	FB-03	Total/NA	Water	3010A	
870-38385-5	AP MW-1D	Total/NA	Water	3010A	
870-38385-6	AP PZ-1	Total/NA	Water	3010A	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	3010A	
870-38385-8	SFL MW-4S	Total/NA	Water	3010A	
870-38385-9	AP MW-5D	Total/NA	Water	3010A	
MB 860-251128/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-251128/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-251128/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-38385-4 MS	FB-03	Total/NA	Water	3010A	
870-38385-4 MSD	FB-03	Total/NA	Water	3010A	

Filtration Batch: 251206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-251206/1-C	Method Blank	Dissolved	Water	Filtration	
LCS 860-251206/2-C	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-251206/3-C	Lab Control Sample Dup	Dissolved	Water	Filtration	

Analysis Batch: 251299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	7470A	251024
870-38385-3	SFL MW-5D	Dissolved	Water	7470A	251024
870-38385-3	SFL MW-5D	Total/NA	Water	7470A	251024
870-38385-4	FB-03	Total/NA	Water	7470A	251024
870-38385-5	AP MW-1D	Total/NA	Water	7470A	251024
870-38385-6	AP PZ-1	Total/NA	Water	7470A	251024
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	7470A	251024
870-38385-8	SFL MW-4S	Total/NA	Water	7470A	251024
870-38385-9	AP MW-5D	Total/NA	Water	7470A	251024
MB 860-250449/23-B	Method Blank	Dissolved	Water	7470A	251024
LCS 860-250449/24-B	Lab Control Sample	Dissolved	Water	7470A	251024
LCSD 860-250449/25-B	Lab Control Sample Dup	Dissolved	Water	7470A	251024

Analysis Batch: 251366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	6020B	251128
870-38385-3	SFL MW-5D	Total/NA	Water	6020B	251128
870-38385-4	FB-03	Total/NA	Water	6020B	251128
870-38385-5	AP MW-1D	Total/NA	Water	6020B	251128
870-38385-6	AP PZ-1	Total/NA	Water	6020B	251128
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	6020B	251128
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	6020B	251128
870-38385-8	SFL MW-4S	Total/NA	Water	6020B	251128
870-38385-9	AP MW-5D	Total/NA	Water	6020B	251128
870-38385-9	AP MW-5D	Total/NA	Water	6020B	251128
MB 860-251128/1-A	Method Blank	Total/NA	Water	6020B	251128
LCS 860-251128/2-A	Lab Control Sample	Total/NA	Water	6020B	251128
LCSD 860-251128/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	251128
870-38385-4 MS	FB-03	Total/NA	Water	6020B	251128

Metals (Continued)

Analysis Batch: 251366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-4 MSD	FB-03	Total/NA	Water	6020B	251128

Prep Batch: 251439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	3010A	
870-38385-3	SFL MW-5D	Total/NA	Water	3010A	
870-38385-4	FB-03	Total/NA	Water	3010A	
870-38385-5	AP MW-1D	Total/NA	Water	3010A	
870-38385-6	AP PZ-1	Total/NA	Water	3010A	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	3010A	
870-38385-8	SFL MW-4S	Total/NA	Water	3010A	
MB 860-251439/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-251439/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-251439/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 251510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-3	SFL MW-5D	Dissolved	Water	3010A	
870-38385-9	AP MW-5D	Total/NA	Water	3010A	
MB 860-251206/1-C	Method Blank	Dissolved	Water	3010A	251206
LCS 860-251206/2-C	Lab Control Sample	Dissolved	Water	3010A	251206
LCSD 860-251206/3-C	Lab Control Sample Dup	Dissolved	Water	3010A	251206

Analysis Batch: 251516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-6	AP PZ-1	Total/NA	Water	6020B	251128
870-38385-8	SFL MW-4S	Total/NA	Water	6020B	251128
870-38385-9	AP MW-5D	Total/NA	Water	6020B	251128

Analysis Batch: 251678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	6010D	251439
870-38385-1	AP PZ-4	Total/NA	Water	6010D	251439
870-38385-3	SFL MW-5D	Total/NA	Water	6010D	251439
870-38385-3	SFL MW-5D	Total/NA	Water	6010D	251439
870-38385-4	FB-03	Total/NA	Water	6010D	251439
870-38385-5	AP MW-1D	Total/NA	Water	6010D	251439
870-38385-6	AP PZ-1	Total/NA	Water	6010D	251439
870-38385-6	AP PZ-1	Total/NA	Water	6010D	251439
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	6010D	251439
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	6010D	251439
870-38385-8	SFL MW-4S	Total/NA	Water	6010D	251439
870-38385-8	SFL MW-4S	Total/NA	Water	6010D	251439
MB 860-251439/1-A	Method Blank	Total/NA	Water	6010D	251439
LCS 860-251439/2-A	Lab Control Sample	Total/NA	Water	6010D	251439
LCSD 860-251439/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	251439

Analysis Batch: 251829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-3	SFL MW-5D	Dissolved	Water	6010D	251510
870-38385-3	SFL MW-5D	Dissolved	Water	6010D	251510

Metals (Continued)

Analysis Batch: 251829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-9	AP MW-5D	Total/NA	Water	6010D	251510
870-38385-9	AP MW-5D	Total/NA	Water	6010D	251510
MB 860-251206/1-C	Method Blank	Dissolved	Water	6010D	251510
LCS 860-251206/2-C	Lab Control Sample	Dissolved	Water	6010D	251510
LCSD 860-251206/3-C	Lab Control Sample Dup	Dissolved	Water	6010D	251510

General Chemistry

Analysis Batch: 30370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	SM 2540C	
870-38385-3	SFL MW-5D	Total/NA	Water	SM 2540C	
870-38385-4	FB-03	Total/NA	Water	SM 2540C	
870-38385-5	AP MW-1D	Total/NA	Water	SM 2540C	
870-38385-6	AP PZ-1	Total/NA	Water	SM 2540C	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	SM 2540C	
870-38385-8	SFL MW-4S	Total/NA	Water	SM 2540C	
870-38385-9	AP MW-5D	Total/NA	Water	SM 2540C	
MB 870-30370/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-30370/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-30370/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-38385-1 DU	AP PZ-4	Total/NA	Water	SM 2540C	

Analysis Batch: 30463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	SM 4500 H+ B	
870-38385-3	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	
870-38385-3 DU	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 30464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-4	FB-03	Total/NA	Water	SM 4500 H+ B	
870-38385-5	AP MW-1D	Total/NA	Water	SM 4500 H+ B	
870-38385-6	AP PZ-1	Total/NA	Water	SM 4500 H+ B	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	SM 4500 H+ B	
870-38385-8	SFL MW-4S	Total/NA	Water	SM 4500 H+ B	
870-38385-9	AP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-38385-4 DU	FB-03	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 250883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	SM 2320B	
870-38385-3	SFL MW-5D	Total/NA	Water	SM 2320B	
870-38385-4	FB-03	Total/NA	Water	SM 2320B	
870-38385-5	AP MW-1D	Total/NA	Water	SM 2320B	
870-38385-6	AP PZ-1	Total/NA	Water	SM 2320B	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	SM 2320B	
870-38385-8	SFL MW-4S	Total/NA	Water	SM 2320B	
870-38385-9	AP MW-5D	Total/NA	Water	SM 2320B	
MB 860-250883/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-250883/4	Lab Control Sample	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 250883 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-250883/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 728965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-3	SFL MW-5D	Total/NA	Water	PrecSep-21	
870-38385-4	FB-03	Total/NA	Water	PrecSep-21	
870-38385-5	AP MW-1D	Total/NA	Water	PrecSep-21	
870-38385-6	AP PZ-1	Total/NA	Water	PrecSep-21	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	PrecSep-21	
870-38385-8	SFL MW-4S	Total/NA	Water	PrecSep-21	
870-38385-9	AP MW-5D	Total/NA	Water	PrecSep-21	
MB 160-728965/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-728965/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 728966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-3	SFL MW-5D	Total/NA	Water	PrecSep_0	
870-38385-4	FB-03	Total/NA	Water	PrecSep_0	
870-38385-5	AP MW-1D	Total/NA	Water	PrecSep_0	
870-38385-6	AP PZ-1	Total/NA	Water	PrecSep_0	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	PrecSep_0	
870-38385-8	SFL MW-4S	Total/NA	Water	PrecSep_0	
870-38385-9	AP MW-5D	Total/NA	Water	PrecSep_0	
MB 160-728966/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-728966/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 729209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	PrecSep-21	
MB 160-729209/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-729209/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 729211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	PrecSep_0	
MB 160-729211/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-729211/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 729608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38385-1	AP PZ-4	Total/NA	Water	Fill_Geo-21	
870-38385-3	SFL MW-5D	Total/NA	Water	Fill_Geo-21	
870-38385-4	FB-03	Total/NA	Water	Fill_Geo-21	
870-38385-5	AP MW-1D	Total/NA	Water	Fill_Geo-21	
870-38385-6	AP PZ-1	Total/NA	Water	Fill_Geo-21	
870-38385-7	SFL MW-1 (cont)	Total/NA	Water	Fill_Geo-21	
870-38385-8	SFL MW-4S	Total/NA	Water	Fill_Geo-21	
870-38385-9	AP MW-5D	Total/NA	Water	Fill_Geo-21	
MB 160-729608/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	

Rad (Continued)

Prep Batch: 729608 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-729608/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-38385-1 DU	AP PZ-4	Total/NA	Water	Fill_Geo-21	

Client Sample ID: AP PZ-4
Lab Sample ID: 870-38385-1

Date Collected: 07/21/25 08:00
Matrix: Water
Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251152	07/26/25 00:06	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			251678	07/28/25 16:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			251678	07/28/25 16:27	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		1			251366	07/26/25 00:18	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 00:52	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250883	07/24/25 12:22	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30370	07/24/25 15:10	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729608	07/29/25 18:41	SEH	EET SL
Total/NA	Analysis	901.1		1			732645	08/19/25 01:14	CAH	EET SL
Total/NA	Prep	PrecSep-21			1004.50 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732822	08/20/25 15:47	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.50 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732822	08/20/25 11:57	SWS	EET SL

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-38385-3

Date Collected: 07/21/25 14:40
Matrix: Water
Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251152	07/26/25 00:44	W1N	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	251510	07/28/25 13:30	MD	EET HOU
Dissolved	Analysis	6010D		1			251829	07/29/25 12:06	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	251510	07/28/25 13:30	MD	EET HOU
Dissolved	Analysis	6010D		50			251829	07/29/25 12:13	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			251678	07/28/25 16:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			251678	07/28/25 16:29	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		1			251366	07/26/25 00:20	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Dissolved	Analysis	7470A		1			251299	07/26/25 00:53	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 01:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250883	07/24/25 12:28	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30370	07/24/25 15:10	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30463	07/29/25 14:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729608	07/29/25 18:41	SEH	EET SL
Total/NA	Analysis	901.1		1			732644	08/19/25 02:26	CAH	EET SL

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-38385-3

Date Collected: 07/21/25 14:40
Matrix: Water
Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.97 mL	1.0 g	728965	07/25/25 08:27	JTR	EET SL
Total/NA	Analysis	903.0		1			732446	08/18/25 19:04	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.97 mL	1.0 g	728966	07/25/25 08:36	JTR	EET SL
Total/NA	Analysis	904.0		1			732446	08/18/25 12:07	SWS	EET SL

Client Sample ID: FB-03
Lab Sample ID: 870-38385-4

Date Collected: 07/21/25 13:30
Matrix: Water
Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			250742	07/24/25 19:32	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			251678	07/28/25 16:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		1			251366	07/25/25 23:55	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 00:55	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250883	07/24/25 12:34	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	30370	07/24/25 15:10	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:06	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729608	07/29/25 18:41	SEH	EET SL
Total/NA	Analysis	901.1		1			732645	08/19/25 02:27	CAH	EET SL
Total/NA	Prep	PrecSep-21			1002.87 mL	1.0 g	728965	07/25/25 08:27	JTR	EET SL
Total/NA	Analysis	903.0		1			732446	08/18/25 19:04	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.87 mL	1.0 g	728966	07/25/25 08:36	JTR	EET SL
Total/NA	Analysis	904.0		1			732446	08/18/25 12:07	SWS	EET SL

Client Sample ID: AP MW-1D
Lab Sample ID: 870-38385-5

Date Collected: 07/21/25 08:30
Matrix: Water
Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			250742	07/24/25 19:51	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			251678	07/28/25 16:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		1			251366	07/26/25 00:23	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 00:56	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250883	07/24/25 12:39	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	30370	07/24/25 15:10	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:06	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729608	07/29/25 18:41	SEH	EET SL
Total/NA	Analysis	901.1		1			732644	08/19/25 07:14	CAH	EET SL

Client Sample ID: AP MW-1D

Lab Sample ID: 870-38385-5

Date Collected: 07/21/25 08:30

Matrix: Water

Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.72 mL	1.0 g	728965	07/25/25 08:27	JTR	EET SL
Total/NA	Analysis	903.0		1			732446	08/18/25 19:05	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.72 mL	1.0 g	728966	07/25/25 08:36	JTR	EET SL
Total/NA	Analysis	904.0		1			732446	08/18/25 12:07	SWS	EET SL

Client Sample ID: AP PZ-1

Lab Sample ID: 870-38385-6

Date Collected: 07/21/25 10:25

Matrix: Water

Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251152	07/26/25 01:03	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			251678	07/28/25 16:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			251678	07/28/25 16:35	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		1			251366	07/26/25 00:26	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		5			251516	07/27/25 21:04	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 00:57	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250883	07/24/25 12:56	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30370	07/24/25 15:10	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729608	07/29/25 18:41	SEH	EET SL
Total/NA	Analysis	901.1		1			732644	08/19/25 03:37	CAH	EET SL
Total/NA	Prep	PrecSep-21			1000.17 mL	1.0 g	728965	07/25/25 08:27	JTR	EET SL
Total/NA	Analysis	903.0		1			732446	08/18/25 19:05	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.17 mL	1.0 g	728966	07/25/25 08:36	JTR	EET SL
Total/NA	Analysis	904.0		1			732446	08/18/25 12:07	SWS	EET SL

Client Sample ID: SFL MW-1 (cont)

Lab Sample ID: 870-38385-7

Date Collected: 07/21/25 12:40

Matrix: Water

Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251152	07/26/25 01:22	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			251678	07/28/25 16:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			251678	07/28/25 16:44	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		1			251366	07/26/25 00:29	DP	EET HOU

Client Sample ID: SFL MW-1 (cont)

Lab Sample ID: 870-38385-7

Date Collected: 07/21/25 12:40

Matrix: Water

Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		5			251366	07/26/25 00:32	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 00:59	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250883	07/24/25 13:02	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30370	07/24/25 15:10	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729608	07/29/25 18:41	SEH	EET SL
Total/NA	Analysis	901.1		1			732645	08/19/25 03:41	CAH	EET SL
Total/NA	Prep	PrecSep-21			1002.58 mL	1.0 g	728965	07/25/25 08:27	JTR	EET SL
Total/NA	Analysis	903.0		1			732446	08/18/25 19:05	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.58 mL	1.0 g	728966	07/25/25 08:36	JTR	EET SL
Total/NA	Analysis	904.0		1			732446	08/18/25 12:08	SWS	EET SL

Client Sample ID: SFL MW-4S

Lab Sample ID: 870-38385-8

Date Collected: 07/21/25 15:40

Matrix: Water

Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251152	07/26/25 01:40	W1N	EET HOU
Total/NA	Analysis	9056A		50			251152	07/26/25 01:50	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			251678	07/28/25 16:42	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251439	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			251678	07/28/25 16:46	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		1			251366	07/26/25 00:35	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		5			251516	07/27/25 21:07	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 01:00	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250883	07/24/25 13:06	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	5 mL	200 mL	30370	07/24/25 15:10	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729608	07/29/25 18:41	SEH	EET SL
Total/NA	Analysis	901.1		1			732636	08/19/25 03:41	CAH	EET SL
Total/NA	Prep	PrecSep-21			1005.44 mL	1.0 g	728965	07/25/25 08:27	JTR	EET SL
Total/NA	Analysis	903.0		1			732445	08/18/25 19:12	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.44 mL	1.0 g	728966	07/25/25 08:36	JTR	EET SL
Total/NA	Analysis	904.0		1			732446	08/18/25 12:08	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-38385-1
Project/Site: Appendix III/IV

Client Sample ID: AP MW-5D
Lab Sample ID: 870-38385-9

Date Collected: 07/21/25 10:50
Matrix: Water

Date Received: 07/23/25 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251152	07/26/25 01:59	W1N	EET HOU
Total/NA	Analysis	9056A		50			251152	07/26/25 02:09	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251510	07/28/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		1			251829	07/29/25 12:08	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251510	07/28/25 13:30	MD	EET HOU
Total/NA	Analysis	6010D		50			251829	07/29/25 12:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		1			251366	07/26/25 00:38	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		5			251366	07/26/25 00:41	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251128	07/25/25 12:00	MD	EET HOU
Total/NA	Analysis	6020B		5			251516	07/27/25 21:10	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251024	07/25/25 02:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			251299	07/26/25 01:04	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			250883	07/24/25 13:11	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30370	07/24/25 15:10	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729608	07/29/25 18:41	SEH	EET SL
Total/NA	Analysis	901.1		1			732645	08/19/25 07:15	CAH	EET SL
Total/NA	Prep	PrecSep-21			1000.51 mL	1.0 g	728965	07/25/25 08:27	JTR	EET SL
Total/NA	Analysis	903.0		1			732445	08/18/25 19:12	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.51 mL	1.0 g	728966	07/25/25 08:36	JTR	EET SL
Total/NA	Analysis	904.0		1			732446	08/18/25 12:08	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-38385-1
Project/Site: Appendix III/IV

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38385-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38385-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-38385-1	AP PZ-4	Water	07/21/25 08:00	07/23/25 10:40	Texas
870-38385-3	SFL MW-5D	Water	07/21/25 14:40	07/23/25 10:40	Texas
870-38385-4	FB-03	Water	07/21/25 13:30	07/23/25 10:40	Texas
870-38385-5	AP MW-1D	Water	07/21/25 08:30	07/23/25 10:40	Texas
870-38385-6	AP PZ-1	Water	07/21/25 10:25	07/23/25 10:40	Texas
870-38385-7	SFL MW-1 (cont)	Water	07/21/25 12:40	07/23/25 10:40	Texas
870-38385-8	SFL MW-4S	Water	07/21/25 15:40	07/23/25 10:40	Texas
870-38385-9	AP MW-5D	Water	07/21/25 10:50	07/23/25 10:40	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

Cooler 1 of 3 copy

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8/26/2025

Client Information	Sampler: PLC/WRC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-13622-4449.1
Client Contact: Courtney Stewart	Phone: (979) 574-4216	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 1 of 5
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Courtney.Stewart@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A	6010D, 7470A Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
Preservation Code:							D	D	N	N	N	D	D	N	N		
AP PZ-4	7/21/25	0800	G	Water			X	X	X	X	X	X		X	X	7	
SSP MW-5D	7/21/25	1125	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-5D	7/21/25	1440	G	Water	Y		X	X	X	X	X	X	X	X	X	8	
FB-03	7/21/25	1330	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-1D	7/21/25	0830	G	Water			X	X	X	X	X	X		X	X	7	
AP PZ-1	7/21/25	1025	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-1 (cont)	7/21/25	1240	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-4S	7/21/25	1540	G	Water			X	X	X	X	X	X		X	X	7	
				Water													
				Water													
				Water													

870-38385 Chain of Custody

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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: 8821 9242 3166 8821 9242 3155

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: 8821 9242 3177

Relinquished by:	Date/Time:	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by: FEDEX	Date/Time:	Company	Received by:	Date/Time: 7/23/25 1040	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.8/3.9 2.2/2.3 4.6/4.7 THM-027 rev1

Ver: 05/06/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8810.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-38385-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 7/30/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP PZ-4 (870-38385-1)	7/21/25	08:00 Central	G	Water			X	X	X	2	
SFL MW-5D (870-38385-3)	7/21/25	14:40 Central	G	Water			X	X	X	2	
FB-03 (870-38385-4)	7/21/25	13:30 Central	G	Water			X	X	X	2	
AP MW-1D (870-38385-5)	7/21/25	08:30 Central	G	Water			X	X	X	2	
AP PZ-1 (870-38385-6)	7/21/25	10:25 Central	G	Water			X	X	X	2	
SFL MW-1 (cont) (870-38385-7)	7/21/25	12:40 Central	G	Water			X	X	X	2	
SFL MW-45 (870-38385-8)	7/21/25	15:40 Central	G	Water			X	X	X	2	
AP MW-5D (870-38385-9)	7/21/25	10:50 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by: Date: Time: FEDEX	Method of Shipment:

Relinquished by:	Date/Time: 07/23/25-1700	Company	Received by: JUL 23 2025	Date/Time: 0830 JUL 24 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

8/26/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8812.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-38385-1
Address: 4145 Greenbriar Dr	Due Date Requested: 7/29/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6020B/3010A(MOD) CCR Appendix III/IV (Hold)	7470A/7470A_PrepMercury (Hold)	9056A_ORGFM_28D(MOD) Local Method (Hold)	6010D/3010A(MOD) LI + Minerals (Hold)	2320B (Hold)	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury		Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AP PZ-4 (870-38385-1)	7/21/25	08:00 Central	G	Water			X	X	X	X	X									3	
SSP MW-5D (870-38385-2)	7/21/25	11:25 Central	G	Water								X	X	X	X	X				3	
SFL MW-5D (870-38385-3)	7/21/25	14:40 Central	G	Water			X	X	X	X	X						X	X		4	Field filtered dissolved metals, Field Filtered Dissolved Hg
FB-03 (870-38385-4)	7/21/25	13:30 Central	G	Water			X	X	X	X	X									3	
AP MW-1D (870-38385-5)	7/21/25	08:30 Central	G	Water			X	X	X	X	X									3	
AP PZ-1 (870-38385-6)	7/21/25	10:25 Central	G	Water			X	X	X	X	X									3	
SFL MW-1 (cont) (870-38385-7)	7/21/25	12:40 Central	G	Water			X	X	X	X	X									3	
SFL MW-45 (870-38385-8)	7/21/25	15:40 Central	G	Water			X	X	X	X	X									3	
AP MW-5D (870-38385-9)	7/21/25	10:50 Central	G	Water			X	X	X	X	X									3	

Preservation Codes:
Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
Unconfirmed

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) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 07/23/25-1700	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2°

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38385-1

Login Number: 38385
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38385-1

Login Number: 38385
List Number: 2
Creator: Grandits, Corey

List Source: Eurofins Houston
List Creation: 07/24/25 09:45 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38385-1

Login Number: 38385
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 07/24/25 12:02 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

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JOB DESCRIPTION

Appendix III/IV

JOB NUMBER

870-38417-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

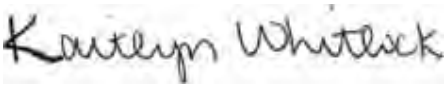
my EOL

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



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Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Job ID: 870-38417-1
Project/Site: Appendix III/IV

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 870-38417-1 — Eurofins Dallas

Job Narrative
870-38417-1

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 7/24/2025 9:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.3°C, 0.9°C and 1.9°C.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-251334 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SFL MW-2D (870-38417-1), SFL MW-3D (870-38417-2), SFL MW-15D (870-38417-5), SFL MW-8S (870-38417-6), SFL MW-8D (870-38417-7) and FD3 (870-38417-9). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 860-251334 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

Metals
Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-252036 and analytical batch 860-252484 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: SFL MW-8S (870-38417-6). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SFL MW-2D (870-38417-1), SFL MW-3D (870-38417-2), SFL MW-7S (870-38417-3), EB-2 (870-38417-4), SFL MW-15D (870-38417-5), SFL MW-8S (870-38417-6), SFL MW-8D (870-38417-7), FB-04 (870-38417-8) and FD3 (870-38417-9).

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

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38417-1

Client Sample ID: SFL MW-2D

Date Collected: 07/22/25 08:05
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1450**		2.50	1.25	mg/L			07/26/25 21:37	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/26/25 21:37	5
Sulfate	**1490**		2.50	1.00	mg/L			07/26/25 21:37	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**2.71**		0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:25	1
Calcium	**421**		10.0	5.08	mg/L		07/30/25 11:27	07/31/25 12:33	50
Magnesium	**57.2**		0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:25	1
Potassium	**50.2**		0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:25	1
Sodium	**900**		25.0	7.59	mg/L		07/30/25 11:27	07/31/25 12:33	50
Lithium	**0.355**		0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.109**		0.0200	0.00549	mg/L		07/28/25 13:26	07/29/25 01:45	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:26	07/29/25 01:45	1
Arsenic	**0.00349**	**J**	0.00400	0.000690	mg/L		07/28/25 13:26	07/29/25 01:45	1
Barium	**0.0236**		0.00400	0.00134	mg/L		07/28/25 13:26	07/29/25 01:45	1
Beryllium	**0.00118**	**J**	0.00200	0.000271	mg/L		07/28/25 13:26	07/29/25 01:45	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:26	07/29/25 01:45	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:26	07/29/25 01:45	1
Cobalt	**0.0125**		0.00200	0.000355	mg/L		07/28/25 13:26	07/29/25 01:45	1
Iron	**0.452**		0.0200	0.00445	mg/L		07/28/25 13:26	07/29/25 01:45	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:26	07/29/25 01:45	1
Molybdenum	**0.000529**	**J**	0.00200	0.000255	mg/L		07/28/25 13:26	07/29/25 01:45	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:26	07/29/25 01:45	1
Thallium	**0.000423**	**J**	0.00200	0.000415	mg/L		07/28/25 13:26	07/29/25 01:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**40.2**		4.00	4.00	mg/L			07/25/25 11:23	1
Total Dissolved Solids (SM 2540C)	**4100**		20.0	20.0	mg/L			07/28/25 16:15	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**23.8**	**HF**			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**71.0**		23.4	24.5	50.0	22.7	pCi/L	07/30/25 14:17	08/20/25 07:28	1
Radium-228	12.9	U	27.4	27.4	50.0	42.3	pCi/L	07/30/25 14:17	08/20/25 07:28	1
Combined Radium 226 + 228	**83.9**		36.0	36.8		42.3	pCi/L	07/30/25 14:17	08/20/25 07:28	1

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-38417-1
Date Collected: 07/22/25 08:05
Matrix: Water
Date Received: 07/24/25 09:07

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.799**		0.314	0.322	1.00	0.349	pCi/L	07/28/25 08:19	08/20/25 15:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.07**		0.487	0.523	1.00	0.481	pCi/L	07/28/25 08:25	08/20/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*
Y Carrier	*84.5*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-38417-2
Date Collected: 07/22/25 10:10
Matrix: Water
Date Received: 07/24/25 09:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1500**		2.50	1.25	mg/L			07/26/25 21:50	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/26/25 21:50	5
Sulfate	**741**		2.50	1.00	mg/L			07/26/25 21:50	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.655**		0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:18	1
Calcium	**270**		10.0	5.08	mg/L		07/30/25 11:27	07/31/25 12:26	50
Magnesium	**35.4**		0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:18	1
Potassium	**32.4**		0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:18	1
Sodium	**615**		25.0	7.59	mg/L		07/30/25 11:27	07/31/25 12:26	50
Lithium	**0.378**		0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:18	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.355**		0.200	0.0352	mg/L		07/29/25 11:23	07/30/25 12:18	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		07/29/25 11:23	07/30/25 12:18	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		07/29/25 11:23	07/30/25 12:18	1
Barium	**0.0380**		0.0100	0.00125	mg/L		07/29/25 11:23	07/30/25 12:18	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		07/29/25 11:23	07/30/25 12:18	1
Boron	**0.936**		0.0500	0.0162	mg/L		07/29/25 11:23	07/30/25 12:18	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		07/29/25 11:23	07/30/25 12:18	1
Calcium	**390**		10.0	5.08	mg/L		07/29/25 11:23	07/30/25 12:23	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		07/29/25 11:23	07/30/25 12:18	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		07/29/25 11:23	07/30/25 12:18	1
Iron	**2.34**		0.200	0.0283	mg/L		07/29/25 11:23	07/30/25 12:18	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		07/29/25 11:23	07/30/25 12:18	1
Magnesium	**50.8**		0.200	0.0445	mg/L		07/29/25 11:23	07/30/25 12:18	1

Client Sample ID: SFL MW-3D
Date Collected: 07/22/25 10:10
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-2
Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		07/29/25 11:23	07/30/25 12:18	1
Potassium	**44.2**		0.500	0.106	mg/L		07/29/25 11:23	07/30/25 12:18	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		07/29/25 11:23	07/30/25 12:18	1
Sodium	**875**		25.0	7.59	mg/L		07/29/25 11:23	07/30/25 12:23	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		07/29/25 11:23	07/30/25 12:18	1
Li	**0.335**		0.0400	0.0174	mg/L		07/29/25 11:23	07/30/25 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5.93**		0.0200	0.00549	mg/L		07/28/25 13:30	07/30/25 00:18	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:30	07/30/25 00:18	1
Arsenic	**0.00451**		0.00400	0.000690	mg/L		07/28/25 13:30	07/30/25 00:18	1
Barium	**0.0824**		0.00400	0.00134	mg/L		07/28/25 13:30	07/30/25 00:18	1
Beryllium	**0.00136**	**J**	0.00200	0.000271	mg/L		07/28/25 13:30	07/30/25 00:18	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:30	07/30/25 00:18	1
Chromium	**0.00412**		0.00400	0.000560	mg/L		07/28/25 13:30	07/30/25 00:18	1
Cobalt	**0.00207**		0.00200	0.000355	mg/L		07/28/25 13:30	07/30/25 00:18	1
Iron	**6.94**		0.0200	0.00445	mg/L		07/28/25 13:30	07/30/25 00:18	1
Lead	**0.00838**		0.00200	0.000367	mg/L		07/28/25 13:30	07/30/25 00:18	1
Molybdenum	**0.00186**	**J**	0.00200	0.000255	mg/L		07/28/25 13:30	07/30/25 00:18	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:30	07/30/25 00:18	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:30	07/30/25 00:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:11	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/29/25 10:32	07/29/25 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**213**		4.00	4.00	mg/L			07/25/25 11:29	1
Total Dissolved Solids (SM 2540C)	**4230**		20.0	20.0	mg/L			07/28/25 16:15	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**24.0**	**HF**			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	16.3	U G	12.3	12.4	50.0	69.6	pCi/L	07/30/25 14:17	08/20/25 07:28	1
Radium-228	18.5	U	19.5	19.6	50.0	23.6	pCi/L	07/30/25 14:17	08/20/25 07:28	1
Combined Radium 226 + 228	34.8	U	23.1	23.2		69.6	pCi/L	07/30/25 14:17	08/20/25 07:28	1

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-38417-2
Date Collected: 07/22/25 10:10
Matrix: Water
Date Received: 07/24/25 09:07

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.33**		0.637	0.648	1.00	0.763	pCi/L	07/28/25 08:19	08/20/25 15:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.1*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.64**	**G**	0.850	0.864	1.00	1.19	pCi/L	07/28/25 08:25	08/20/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.1*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*
Y Carrier	*84.1*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-38417-3
Date Collected: 07/22/25 10:05
Matrix: Water
Date Received: 07/24/25 09:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**429**		0.500	0.250	mg/L			07/26/25 22:15	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/26/25 22:15	1
Sulfate	**151**		0.500	0.200	mg/L			07/26/25 22:15	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.681**		0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:38	1
Calcium	**1040**		10.0	5.08	mg/L		07/30/25 11:27	07/31/25 12:48	50
Magnesium	**216**		0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:38	1
Potassium	**37.3**		0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:38	1
Sodium	**1850**		25.0	7.59	mg/L		07/30/25 11:27	07/31/25 12:48	50
Lithium	**3.36**		2.00	0.868	mg/L		07/30/25 11:27	07/31/25 12:48	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0425**		0.0200	0.00549	mg/L		07/28/25 13:26	07/29/25 01:48	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:26	07/29/25 01:48	1
Arsenic	**0.00239**	**J**	0.00400	0.000690	mg/L		07/28/25 13:26	07/29/25 01:48	1
Barium	**0.0312**		0.00400	0.00134	mg/L		07/28/25 13:26	07/29/25 01:48	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:26	07/29/25 01:48	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:26	07/29/25 01:48	1
Chromium	**0.000929**	**J**	0.00400	0.000560	mg/L		07/28/25 13:26	07/29/25 01:48	1
Cobalt	**0.00149**	**J**	0.00200	0.000355	mg/L		07/28/25 13:26	07/29/25 01:48	1
Iron	**0.614**		0.0200	0.00445	mg/L		07/28/25 13:26	07/29/25 01:48	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:26	07/29/25 01:48	1
Molybdenum	**0.000433**	**J**	0.00200	0.000255	mg/L		07/28/25 13:26	07/29/25 01:48	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:26	07/29/25 01:48	1
Thallium	**0.000862**	**J**	0.00200	0.000415	mg/L		07/28/25 13:26	07/29/25 01:48	1

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-38417-3
Date Collected: 07/22/25 10:05
Matrix: Water
Date Received: 07/24/25 09:07

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	111		4.00	4.00	mg/L			07/25/25 10:52	1
Total Dissolved Solids (SM 2540C)	7490		50.0	50.0	mg/L			07/28/25 16:15	1
pH (SM 4500 H+ B)	5.6	HF			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	23.8	HF			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	33.7		19.0	19.3	50.0	22.9	pCi/L	07/30/25 14:17	08/20/25 12:00	1
Radium-228	31.3	U	30.4	30.6	50.0	44.8	pCi/L	07/30/25 14:17	08/20/25 12:00	1
Combined Radium 226 + 228	65.0		35.8	36.2		44.8	pCi/L	07/30/25 14:17	08/20/25 12:00	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.36		0.479	0.524	1.00	0.308	pCi/L	07/28/25 08:19	08/20/25 15:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:49*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.57		0.796	0.999	1.00	0.542	pCi/L	07/28/25 08:25	08/20/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*
Y Carrier	*82.6*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*

Client Sample ID: EB-2
Lab Sample ID: 870-38417-4
Date Collected: 07/22/25 11:00
Matrix: Water
Date Received: 07/24/25 09:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/26/25 21:18	1
Fluoride	<0.100	U F2 F1	0.500	0.100	mg/L			07/26/25 21:18	1
Sulfate	0.216	J	0.500	0.200	mg/L			07/26/25 21:18	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:20	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/30/25 11:27	07/31/25 12:20	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:20	1

Client Sample ID: EB-2
Date Collected: 07/22/25 11:00
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-4
Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.106	U	0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:20	1
Sodium	**0.164**	**J**	0.500	0.152	mg/L		07/30/25 11:27	07/31/25 12:20	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0168**	**J**	0.0200	0.00549	mg/L		07/28/25 13:30	07/30/25 00:15	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:30	07/30/25 00:15	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/28/25 13:30	07/30/25 00:15	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/28/25 13:30	07/30/25 00:15	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:30	07/30/25 00:15	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:30	07/30/25 00:15	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:30	07/30/25 00:15	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/28/25 13:30	07/30/25 00:15	1
Iron	**0.00950**	**J**	0.0200	0.00445	mg/L		07/28/25 13:30	07/30/25 00:15	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:30	07/30/25 00:15	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/28/25 13:30	07/30/25 00:15	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:30	07/30/25 00:15	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:30	07/30/25 00:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/25/25 10:58	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			07/28/25 16:15	1
pH (SM 4500 H+ B)	**7.6**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**23.5**	**HF**			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**48.1**		22.7	23.2	50.0	28.6	pCi/L	07/30/25 14:17	08/20/25 09:15	1
Radium-228	9.27	U G	18.1	18.1	50.0	55.0	pCi/L	07/30/25 14:17	08/20/25 09:15	1
Combined Radium 226 + 228	**57.3**		29.0	29.4		55.0	pCi/L	07/30/25 14:17	08/20/25 09:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0174	U	0.213	0.213	1.00	0.410	pCi/L	07/28/25 08:19	08/20/25 15:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:49*	*1*

Client Sample ID: EB-2

Lab Sample ID: 870-38417-4
Date Collected: 07/22/25 11:00
Matrix: Water
Date Received: 07/24/25 09:07

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0540	U	0.210	0.210	1.00	0.425	pCi/L	07/28/25 08:25	08/20/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*
Y Carrier	*82.2*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*

Client Sample ID: SFL MW-15D

Lab Sample ID: 870-38417-5
Date Collected: 07/22/25 12:05
Matrix: Water
Date Received: 07/24/25 09:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**813**		2.50	1.25	mg/L			07/26/25 22:28	5
Fluoride	<0.500	U	2.50	0.500	mg/L			07/26/25 22:28	5
Sulfate	**1100**		2.50	1.00	mg/L			07/26/25 22:28	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.374**		0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:21	1
Calcium	**288**		10.0	5.08	mg/L		07/30/25 11:27	07/31/25 12:30	50
Magnesium	**44.7**		0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:21	1
Potassium	**39.5**		0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:21	1
Sodium	**555**		25.0	7.59	mg/L		07/30/25 11:27	07/31/25 12:30	50
Lithium	**0.391**		0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0112**	**J**	0.0200	0.00549	mg/L		07/28/25 13:26	07/29/25 01:51	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:26	07/29/25 01:51	1
Arsenic	**0.00100**	**J**	0.00400	0.000690	mg/L		07/28/25 13:26	07/29/25 01:51	1
Barium	**0.0394**		0.00400	0.00134	mg/L		07/28/25 13:26	07/29/25 01:51	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:26	07/29/25 01:51	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:26	07/29/25 01:51	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:26	07/29/25 01:51	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/28/25 13:26	07/29/25 01:51	1
Iron	**2.32**		0.0200	0.00445	mg/L		07/28/25 13:26	07/29/25 01:51	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:26	07/29/25 01:51	1
Molybdenum	**0.000424**	**J**	0.00200	0.000255	mg/L		07/28/25 13:26	07/29/25 01:51	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:26	07/29/25 01:51	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:26	07/29/25 01:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**111**		4.00	4.00	mg/L			07/25/25 10:22	1
Total Dissolved Solids (SM 2540C)	**3100**		10.0	10.0	mg/L			07/28/25 16:15	1

Client Sample ID: SFL MW-15D
Lab Sample ID: 870-38417-5
Date Collected: 07/22/25 12:05
Matrix: Water
Date Received: 07/24/25 09:07

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	6.4	HF			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	23.4	HF			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	28.7	U G	24.4	24.5	50.0	50.4	pCi/L	07/30/25 14:17	08/20/25 09:15	1
Radium-228	-7.85	U G	30.8	30.8	50.0	67.5	pCi/L	07/30/25 14:17	08/20/25 09:15	1
Combined Radium 226 + 228	20.9	U	39.3	39.4		67.5	pCi/L	07/30/25 14:17	08/20/25 09:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.663		0.310	0.315	1.00	0.383	pCi/L	07/28/25 08:19	08/20/25 15:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:49*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11		0.462	0.473	1.00	0.615	pCi/L	07/28/25 08:25	08/20/25 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:58*	*1*
Y Carrier	*79.3*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:58*	*1*

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-38417-6
Date Collected: 07/22/25 13:45
Matrix: Water
Date Received: 07/24/25 09:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		2.50	1.25	mg/L			07/26/25 22:41	5
Fluoride	0.897	J	2.50	0.500	mg/L			07/26/25 22:41	5
Sulfate	1630		2.50	1.00	mg/L			07/26/25 22:41	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	21.5		0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:05	1
Calcium	453		10.0	5.08	mg/L		07/30/25 11:27	07/31/25 12:13	50
Magnesium	106		0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:05	1
Potassium	25.4		0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:05	1
Sodium	580		25.0	7.59	mg/L		07/30/25 11:27	07/31/25 12:13	50
Lithium	0.254		0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:05	1

Client Sample ID: SFL MW-8S

Date Collected: 07/22/25 13:45
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9.79**		0.100	0.0275	mg/L		07/28/25 13:26	07/29/25 01:58	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:26	07/29/25 01:54	1
Arsenic	**0.00971**		0.00400	0.000690	mg/L		07/28/25 13:26	07/29/25 01:54	1
Barium	**0.0236**		0.00400	0.00134	mg/L		07/28/25 13:26	07/29/25 01:54	1
Beryllium	**0.0433**		0.00200	0.000271	mg/L		07/28/25 13:26	07/29/25 01:54	1
Cadmium	**0.00409**		0.00200	0.000240	mg/L		07/28/25 13:26	07/29/25 01:54	1
Chromium	**0.000774**	**J**	0.00400	0.000560	mg/L		07/28/25 13:26	07/29/25 01:54	1
Cobalt	**0.112**		0.00200	0.000355	mg/L		07/28/25 13:26	07/29/25 01:54	1
Iron	**17.9**		0.0200	0.00445	mg/L		07/28/25 13:26	07/29/25 01:54	1
Lead	**0.0183**		0.00200	0.000367	mg/L		07/28/25 13:26	07/29/25 01:54	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/28/25 13:26	07/29/25 01:54	1
Selenium	**0.000665**	**J**	0.00200	0.000590	mg/L		07/28/25 13:26	07/29/25 01:54	1
Thallium	**0.00283**		0.00200	0.000415	mg/L		07/28/25 13:26	07/29/25 01:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/25/25 09:53	1
Total Dissolved Solids (SM 2540C)	**4680**		20.0	20.0	mg/L			07/29/25 16:31	1
pH (SM 4500 H+ B)	**3.9**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**23.3**	**HF**			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	12.5	U G	21.3	21.4	50.0	57.5	pCi/L	07/30/25 14:17	08/20/25 11:00	1
Radium-228	7.01	U G	23.2	23.2	50.0	55.1	pCi/L	07/30/25 14:17	08/20/25 11:00	1
Combined Radium 226 + 228	19.5	U	31.5	31.6		57.5	pCi/L	07/30/25 14:17	08/20/25 11:00	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.40**		0.373	0.394	1.00	0.302	pCi/L	07/28/25 08:19	08/20/25 15:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.80**		0.532	0.591	1.00	0.492	pCi/L	07/28/25 08:25	08/20/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:52*	*1*

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-38417-6
Date Collected: 07/22/25 13:45
Matrix: Water
Date Received: 07/24/25 09:07

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	88.6		30 - 110	07/28/25 08:25	08/20/25 11:52	1

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-38417-7
Date Collected: 07/22/25 15:30
Matrix: Water
Date Received: 07/24/25 09:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**393**		0.500	0.250	mg/L			07/26/25 22:53	1
Fluoride	**0.117**	**J**	0.500	0.100	mg/L			07/26/25 22:53	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**624**		5.00	2.00	mg/L			07/26/25 23:00	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.877**		0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:39	1
Calcium	**159**		0.200	0.102	mg/L		07/30/25 11:27	07/31/25 12:39	1
Magnesium	**28.6**		0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:39	1
Potassium	**26.1**		0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:39	1
Sodium	**354**		0.500	0.152	mg/L		07/30/25 11:27	07/31/25 12:39	1
Lithium	**0.329**		0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0186**	**J**	0.0200	0.00549	mg/L		07/28/25 13:26	07/29/25 02:01	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:26	07/29/25 02:01	1
Arsenic	**0.00309**	**J**	0.00400	0.000690	mg/L		07/28/25 13:26	07/29/25 02:01	1
Barium	**0.0375**		0.00400	0.00134	mg/L		07/28/25 13:26	07/29/25 02:01	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:26	07/29/25 02:01	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:26	07/29/25 02:01	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:26	07/29/25 02:01	1
Cobalt	**0.00176**	**J**	0.00200	0.000355	mg/L		07/28/25 13:26	07/29/25 02:01	1
Iron	**0.763**		0.0200	0.00445	mg/L		07/28/25 13:26	07/29/25 02:01	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:26	07/29/25 02:01	1
Molybdenum	**0.00263**		0.00200	0.000255	mg/L		07/28/25 13:26	07/29/25 02:01	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:26	07/29/25 02:01	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:26	07/29/25 02:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**154**		4.00	4.00	mg/L			07/25/25 10:00	1
Total Dissolved Solids (SM 2540C)	**1720**		10.0	10.0	mg/L			07/29/25 16:31	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**22.9**	**HF**			Celsius			07/29/25 14:07	1

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-38417-7
Date Collected: 07/22/25 15:30
Matrix: Water
Date Received: 07/24/25 09:07

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	17.0	U G	31.4	31.4	50.0	76.0	pCi/L	07/31/25 17:55	08/21/25 01:57	1
Radium-228	15.7	U	27.1	27.2	50.0	48.5	pCi/L	07/31/25 17:55	08/21/25 01:57	1
Combined Radium 226 + 228	32.7	U	41.5	41.5		76.0	pCi/L	07/31/25 17:55	08/21/25 01:57	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.377**		0.232	0.235	1.00	0.305	pCi/L	07/28/25 08:19	08/20/25 15:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.696**		0.355	0.361	1.00	0.490	pCi/L	07/28/25 08:25	08/20/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:52*	*1*
Y Carrier	*83.4*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:52*	*1*

Client Sample ID: FB-04
Lab Sample ID: 870-38417-8
Date Collected: 07/22/25 14:00
Matrix: Water
Date Received: 07/24/25 09:07

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/26/25 23:06	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/26/25 23:06	1
Sulfate	**0.216**	**J**	0.500	0.200	mg/L			07/26/25 23:06	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:41	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/30/25 11:27	07/31/25 12:41	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:41	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:41	1
Sodium	**0.248**	**J**	0.500	0.152	mg/L		07/30/25 11:27	07/31/25 12:41	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/28/25 13:26	07/29/25 02:04	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:26	07/29/25 02:04	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/28/25 13:26	07/29/25 02:04	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/28/25 13:26	07/29/25 02:04	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:26	07/29/25 02:04	1

Client Sample ID: FB-04
Date Collected: 07/22/25 14:00
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:26	07/29/25 02:04	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:26	07/29/25 02:04	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/28/25 13:26	07/29/25 02:04	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/28/25 13:26	07/29/25 02:04	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:26	07/29/25 02:04	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/28/25 13:26	07/29/25 02:04	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:26	07/29/25 02:04	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:26	07/29/25 02:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/25/25 10:12	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			07/29/25 16:31	1
pH (SM 4500 H+ B)	**7.5**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**22.4**	**HF**			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.40	U G	27.2	27.2	50.0	67.8	pCi/L	07/31/25 17:55	08/21/25 01:57	1
Radium-228	1.35	U G	4.06	4.06	50.0	56.6	pCi/L	07/31/25 17:55	08/21/25 01:57	1
Combined Radium 226 + 228	3.75	U	27.5	27.5		67.8	pCi/L	07/31/25 17:55	08/21/25 01:57	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0300	U	0.160	0.160	1.00	0.317	pCi/L	07/28/25 08:19	08/20/25 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.107	U	0.239	0.239	1.00	0.487	pCi/L	07/28/25 08:25	08/20/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:52*	*1*
Y Carrier	*86.7*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:52*	*1*

Client Sample ID: FD3

Date Collected: 07/22/25 14:00
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-9

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**394**		0.500	0.250	mg/L			07/26/25 23:31	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/26/25 23:31	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**622**		5.00	2.00	mg/L			07/26/25 23:38	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.891**		0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:43	1
Calcium	**163**		10.0	5.08	mg/L		07/30/25 11:27	07/31/25 12:53	50
Magnesium	**28.9**		0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:43	1
Potassium	**26.5**		0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:43	1
Sodium	**359**		0.500	0.152	mg/L		07/30/25 11:27	07/31/25 12:43	1
Lithium	**0.340**		0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0214**		0.0200	0.00549	mg/L		07/28/25 13:26	07/29/25 02:07	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:26	07/29/25 02:07	1
Arsenic	**0.00317**	**J**	0.00400	0.000690	mg/L		07/28/25 13:26	07/29/25 02:07	1
Barium	**0.0393**		0.00400	0.00134	mg/L		07/28/25 13:26	07/29/25 02:07	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:26	07/29/25 02:07	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:26	07/29/25 02:07	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:26	07/29/25 02:07	1
Cobalt	**0.00183**	**J**	0.00200	0.000355	mg/L		07/28/25 13:26	07/29/25 02:07	1
Iron	**0.788**		0.0200	0.00445	mg/L		07/28/25 13:26	07/29/25 02:07	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:26	07/29/25 02:07	1
Molybdenum	**0.00273**		0.00200	0.000255	mg/L		07/28/25 13:26	07/29/25 02:07	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:26	07/29/25 02:07	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:26	07/29/25 02:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**154**		4.00	4.00	mg/L			07/25/25 10:16	1
Total Dissolved Solids (SM 2540C)	**1830**		10.0	10.0	mg/L			07/29/25 16:31	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**23.2**	**HF**			Celsius			07/29/25 14:07	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**92.0**		26.2	27.7	50.0	27.6	pCi/L	07/31/25 17:55	08/21/25 03:09	1
Radium-228	21.5	U	33.2	33.3	50.0	48.5	pCi/L	07/31/25 17:55	08/21/25 03:09	1
Combined Radium 226 + 228	**113**		42.3	43.3		48.5	pCi/L	07/31/25 17:55	08/21/25 03:09	1

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38417-1

Client Sample ID: FD3

Date Collected: 07/22/25 14:00
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.453		0.262	0.265	1.00	0.341	pCi/L	07/28/25 08:19	08/20/25 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.710		0.382	0.387	1.00	0.546	pCi/L	07/28/25 08:25	08/20/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:52*	*1*
Y Carrier	*88.2*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:52*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38417-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-38417-1	SFL MW-2D	98.5
870-38417-2	SFL MW-3D	80.1
870-38417-3	SFL MW-7S	94.0
870-38417-4	EB-2	97.0
870-38417-5	SFL MW-15D	92.8
870-38417-6	SFL MW-8S	98.5
870-38417-7	SFL MW-8D	94.5
870-38417-8	FB-04	89.8
870-38417-9	FD3	90.3
LCS 160-729209/2-A	Lab Control Sample	96.8
MB 160-729209/1-A	Method Blank	93.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-38417-1	SFL MW-2D	98.5	84.5
870-38417-2	SFL MW-3D	80.1	84.1
870-38417-3	SFL MW-7S	94.0	82.6
870-38417-4	EB-2	97.0	82.2
870-38417-5	SFL MW-15D	92.8	79.3
870-38417-6	SFL MW-8S	98.5	88.6
870-38417-7	SFL MW-8D	94.5	83.4
870-38417-8	FB-04	89.8	86.7
870-38417-9	FD3	90.3	88.2
LCS 160-729211/2-A	Lab Control Sample	96.8	79.6
MB 160-729211/1-A	Method Blank	93.3	79.6

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-251334/3
Matrix: Water
Analysis Batch: 251334

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/26/25 13:53	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/26/25 13:53	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/26/25 13:53	1

Lab Sample ID: MB 860-251334/66
Matrix: Water
Analysis Batch: 251334

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/26/25 20:59	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/26/25 20:59	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/26/25 20:59	1

Lab Sample ID: LCS 860-251334/67
Matrix: Water
Analysis Batch: 251334

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.33		mg/L		103	90 - 110
Fluoride	10.0	10.79		mg/L		108	90 - 110
Sulfate	10.0	10.24		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-251334/68
Matrix: Water
Analysis Batch: 251334

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
Chloride	10.0	10.43		mg/L		104	90 - 110	1	20
Fluoride	10.0	10.84		mg/L		108	90 - 110	0	20
Sulfate	10.0	10.31		mg/L		103	90 - 110	1	20

Lab Sample ID: LLCS 860-251334/7
Matrix: Water
Analysis Batch: 251334

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5567		mg/L		111	50 - 150
Fluoride	0.500	0.3887	J	mg/L		78	50 - 150
Sulfate	0.500	0.5619		mg/L		112	50 - 150

Lab Sample ID: 870-38417-4 MS
Matrix: Water
Analysis Batch: 251334

Client Sample ID: EB-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.250	U	10.0	10.63		mg/L		106	90 - 110
Fluoride	<0.100	U F2 F1	10.0	8.439	F1	mg/L		84	90 - 110
Sulfate	0.216	J	10.0	10.63		mg/L		104	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-38417-4 MSD
Matrix: Water
Analysis Batch: 251334

Client Sample ID: EB-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.250	U	10.0	10.68		mg/L		107	90 - 110	0	15
Fluoride	<0.100	U F2 F1	10.0	11.14	F1 F2	mg/L		111	90 - 110	28	15
Sulfate	0.216	J	10.0	10.69		mg/L		105	90 - 110	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-251745/1-A
Matrix: Water
Analysis Batch: 252056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		07/29/25 11:23	07/30/25 10:52	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		07/29/25 11:23	07/30/25 10:52	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		07/29/25 11:23	07/30/25 10:52	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		07/29/25 11:23	07/30/25 10:52	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		07/29/25 11:23	07/30/25 10:52	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/29/25 11:23	07/30/25 10:52	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		07/29/25 11:23	07/30/25 10:52	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/29/25 11:23	07/30/25 10:52	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		07/29/25 11:23	07/30/25 10:52	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		07/29/25 11:23	07/30/25 10:52	1
Iron	<0.0283	U	0.200	0.0283	mg/L		07/29/25 11:23	07/30/25 10:52	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		07/29/25 11:23	07/30/25 10:52	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/29/25 11:23	07/30/25 10:52	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		07/29/25 11:23	07/30/25 10:52	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/29/25 11:23	07/30/25 10:52	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		07/29/25 11:23	07/30/25 10:52	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/29/25 11:23	07/30/25 10:52	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		07/29/25 11:23	07/30/25 10:52	1
Li	<0.0174	U	0.0400	0.0174	mg/L		07/29/25 11:23	07/30/25 10:52	1

Lab Sample ID: LCS 860-251745/2-A
Matrix: Water
Analysis Batch: 252056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.120		mg/L		102	80 - 120
Antimony	1.00	0.8820		mg/L		88	80 - 120
Arsenic	1.00	1.030		mg/L		103	80 - 120
Barium	1.00	1.010		mg/L		101	80 - 120
Beryllium	1.00	1.030		mg/L		103	80 - 120
Boron	1.00	1.030		mg/L		103	80 - 120
Cadmium	1.00	0.9950		mg/L		100	80 - 120
Calcium	25.0	25.60		mg/L		102	80 - 120
Chromium	1.00	1.010		mg/L		101	80 - 120
Cobalt	1.00	1.000		mg/L		100	80 - 120
Iron	5.00	5.370		mg/L		107	80 - 120
Lead	1.00	1.020		mg/L		102	80 - 120
Magnesium	25.0	25.10		mg/L		100	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-251745/2-A
Matrix: Water
Analysis Batch: 252056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1.00	0.9960		mg/L		100	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Selenium	1.00	1.100		mg/L		110	80 - 120
Sodium	25.0	25.20		mg/L		101	80 - 120
Thallium	1.00	1.050		mg/L		105	80 - 120
Li	1.00	0.9340		mg/L		93	80 - 120

Lab Sample ID: LCSD 860-251745/3-A
Matrix: Water
Analysis Batch: 252056

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251745

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.070		mg/L		101	80 - 120	1	20
Antimony	1.00	0.9270		mg/L		93	80 - 120	5	20
Arsenic	1.00	1.020		mg/L		102	80 - 120	1	20
Barium	1.00	0.9990		mg/L		100	80 - 120	1	20
Beryllium	1.00	1.020		mg/L		102	80 - 120	1	20
Boron	1.00	1.020		mg/L		102	80 - 120	1	20
Cadmium	1.00	0.9850		mg/L		99	80 - 120	1	20
Calcium	25.0	25.40		mg/L		102	80 - 120	1	20
Chromium	1.00	1.000		mg/L		100	80 - 120	1	20
Cobalt	1.00	0.9890		mg/L		99	80 - 120	1	20
Iron	5.00	5.330		mg/L		107	80 - 120	1	20
Lead	1.00	1.010		mg/L		101	80 - 120	1	20
Magnesium	25.0	24.90		mg/L		100	80 - 120	1	20
Molybdenum	1.00	0.9990		mg/L		100	80 - 120	0	20
Potassium	10.0	10.00		mg/L		100	80 - 120	1	20
Selenium	1.00	1.090		mg/L		109	80 - 120	1	20
Sodium	25.0	25.00		mg/L		100	80 - 120	1	20
Thallium	1.00	1.060		mg/L		106	80 - 120	1	20
Li	1.00	0.9250		mg/L		93	80 - 120	1	20

Lab Sample ID: MB 860-252036/1-A
Matrix: Water
Analysis Batch: 252484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 252036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		07/30/25 11:27	07/31/25 12:00	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/30/25 11:27	07/31/25 12:00	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:00	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/30/25 11:27	07/31/25 12:00	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/30/25 11:27	07/31/25 12:00	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:00	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-252036/2-A
Matrix: Water
Analysis Batch: 252484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 252036

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	0.9930		mg/L		99	80 - 120		
Calcium			25.0	24.50		mg/L		98	80 - 120		
Magnesium			25.0	24.40		mg/L		98	80 - 120		
Potassium			10.0	9.710		mg/L		97	80 - 120		
Sodium			25.0	24.60		mg/L		98	80 - 120		
Lithium			1.00	1.010		mg/L		101	80 - 120		

Lab Sample ID: LCSD 860-252036/3-A
Matrix: Water
Analysis Batch: 252484

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 252036

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	0.9920		mg/L		99	80 - 120	0	20
Calcium			25.0	24.50		mg/L		98	80 - 120	0	20
Magnesium			25.0	24.40		mg/L		98	80 - 120	0	20
Potassium			10.0	9.680		mg/L		97	80 - 120	0	20
Sodium			25.0	24.60		mg/L		98	80 - 120	0	20
Lithium			1.00	1.010		mg/L		101	80 - 120	0	20

Lab Sample ID: 870-38417-6 MS
Matrix: Water
Analysis Batch: 252484

Client Sample ID: SFL MW-8S
Prep Type: Total/NA
Prep Batch: 252036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	21.5		1.00	22.40	4	mg/L		90	75 - 125		
Calcium	448		25.0	469.0	4	mg/L		84	75 - 125		
Magnesium	106		25.0	130.0	4	mg/L		96	75 - 125		
Potassium	25.4		10.0	36.70		mg/L		113	75 - 125		
Sodium	637		25.0	662.0	4	mg/L		100	75 - 125		
Lithium	0.254		1.00	1.250		mg/L		100	75 - 125		

Lab Sample ID: 870-38417-6 MSD
Matrix: Water
Analysis Batch: 252484

Client Sample ID: SFL MW-8S
Prep Type: Total/NA
Prep Batch: 252036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	21.5		1.00	21.70	4	mg/L		20	75 - 125	3	20
Calcium	448		25.0	455.0	4	mg/L		28	75 - 125	3	20
Magnesium	106		25.0	125.0	4	mg/L		76	75 - 125	4	20
Potassium	25.4		10.0	35.50		mg/L		101	75 - 125	3	20
Sodium	637		25.0	640.0	4	mg/L		12	75 - 125	3	20
Lithium	0.254		1.00	1.240		mg/L		99	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-251501/1-A
Matrix: Water
Analysis Batch: 252072

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/28/25 13:30	07/29/25 23:42	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:30	07/29/25 23:42	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/28/25 13:30	07/29/25 23:42	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/28/25 13:30	07/29/25 23:42	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:30	07/29/25 23:42	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:30	07/29/25 23:42	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:30	07/29/25 23:42	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/28/25 13:30	07/29/25 23:42	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/28/25 13:30	07/29/25 23:42	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:30	07/29/25 23:42	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/28/25 13:30	07/29/25 23:42	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:30	07/29/25 23:42	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:30	07/29/25 23:42	1

Lab Sample ID: LCS 860-251501/2-A
Matrix: Water
Analysis Batch: 252072

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4885		mg/L		98	80 - 120
Antimony	0.100	0.08944		mg/L		89	80 - 120
Arsenic	0.100	0.09675		mg/L		97	80 - 120
Barium	0.100	0.09716		mg/L		97	80 - 120
Beryllium	0.100	0.09946		mg/L		99	80 - 120
Cadmium	0.100	0.09802		mg/L		98	80 - 120
Chromium	0.100	0.09977		mg/L		100	80 - 120
Cobalt	0.100	0.09851		mg/L		99	80 - 120
Iron	0.500	0.4750		mg/L		95	80 - 120
Lead	0.100	0.1004		mg/L		100	80 - 120
Molybdenum	0.100	0.09781		mg/L		98	80 - 120
Selenium	0.100	0.09897		mg/L		99	80 - 120
Thallium	0.100	0.1028		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-251501/3-A
Matrix: Water
Analysis Batch: 252072

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251501

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5010		mg/L		100	80 - 120	3	20
Antimony	0.100	0.09077		mg/L		91	80 - 120	1	20
Arsenic	0.100	0.09625		mg/L		96	80 - 120	1	20
Barium	0.100	0.09766		mg/L		98	80 - 120	1	20
Beryllium	0.100	0.1002		mg/L		100	80 - 120	1	20
Cadmium	0.100	0.09760		mg/L		98	80 - 120	0	20
Chromium	0.100	0.09965		mg/L		100	80 - 120	0	20
Cobalt	0.100	0.09865		mg/L		99	80 - 120	0	20
Iron	0.500	0.4765		mg/L		95	80 - 120	0	20
Lead	0.100	0.1002		mg/L		100	80 - 120	0	20
Molybdenum	0.100	0.09820		mg/L		98	80 - 120	0	20

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

Lab Sample ID: LCSD 860-251501/3-A
Matrix: Water
Analysis Batch: 252072

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251501

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	0.100	0.09948		mg/L		99	80 - 120	1	20
Thallium	0.100	0.1024		mg/L		102	80 - 120	0	20

Lab Sample ID: MB 860-251534/1-A
Matrix: Water
Analysis Batch: 251848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		07/28/25 13:25	07/29/25 01:04	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:25	07/29/25 01:04	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/28/25 13:25	07/29/25 01:04	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/28/25 13:25	07/29/25 01:04	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:25	07/29/25 01:04	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:25	07/29/25 01:04	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:25	07/29/25 01:04	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/28/25 13:25	07/29/25 01:04	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/28/25 13:25	07/29/25 01:04	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:25	07/29/25 01:04	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/28/25 13:25	07/29/25 01:04	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:25	07/29/25 01:04	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:25	07/29/25 01:04	1

Lab Sample ID: LCS 860-251534/2-A
Matrix: Water
Analysis Batch: 251848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4918		mg/L		98	80 - 120
Antimony	0.100	0.09465		mg/L		95	80 - 120
Arsenic	0.100	0.1011		mg/L		101	80 - 120
Barium	0.100	0.09801		mg/L		98	80 - 120
Beryllium	0.100	0.09593		mg/L		96	80 - 120
Cadmium	0.100	0.09894		mg/L		99	80 - 120
Chromium	0.100	0.1016		mg/L		102	80 - 120
Cobalt	0.100	0.1008		mg/L		101	80 - 120
Iron	0.500	0.4869		mg/L		97	80 - 120
Lead	0.100	0.1015		mg/L		101	80 - 120
Molybdenum	0.100	0.1004		mg/L		100	80 - 120
Selenium	0.100	0.1027		mg/L		103	80 - 120
Thallium	0.100	0.1024		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-251534/3-A
Matrix: Water
Analysis Batch: 251848

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4845		mg/L		97	80 - 120	1	20
Antimony	0.100	0.09492		mg/L		95	80 - 120	0	20
Arsenic	0.100	0.09999		mg/L		100	80 - 120	1	20

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

Lab Sample ID: LCSD 860-251534/3-A
Matrix: Water
Analysis Batch: 251848

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251534

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium			0.100	0.09656		mg/L		97	80 - 120	1	20
Beryllium			0.100	0.09523		mg/L		95	80 - 120	1	20
Cadmium			0.100	0.09822		mg/L		98	80 - 120	1	20
Chromium			0.100	0.1002		mg/L		100	80 - 120	1	20
Cobalt			0.100	0.09981		mg/L		100	80 - 120	1	20
Iron			0.500	0.4797		mg/L		96	80 - 120	2	20
Lead			0.100	0.1008		mg/L		101	80 - 120	1	20
Molybdenum			0.100	0.09941		mg/L		99	80 - 120	1	20
Selenium			0.100	0.1018		mg/L		102	80 - 120	1	20
Thallium			0.100	0.1011		mg/L		101	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-251371/10-A
Matrix: Water
Analysis Batch: 251627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 15:54	1

Lab Sample ID: LCS 860-251371/11-A
Matrix: Water
Analysis Batch: 251627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251371

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.002000		mg/L		100	80 - 120		

Lab Sample ID: LCSD 860-251371/12-A
Matrix: Water
Analysis Batch: 251627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251371

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.002010		mg/L		100	80 - 120	0	20

Lab Sample ID: MB 860-251736/10-A
Matrix: Water
Analysis Batch: 251912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251736

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		07/29/25 10:32	07/29/25 17:56	1

Lab Sample ID: LCS 860-251736/11-A
Matrix: Water
Analysis Batch: 251912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251736

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.002050		mg/L		102	80 - 120		

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 860-251736/12-A
Matrix: Water
Analysis Batch: 251912

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251736

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.002010		mg/L		100	80 - 120	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-251147/3
Matrix: Water
Analysis Batch: 251147

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			07/25/25 09:35	1

Lab Sample ID: LCS 860-251147/4
Matrix: Water
Analysis Batch: 251147

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	237.9		mg/L		95	85 - 115		

Lab Sample ID: LCSD 860-251147/5
Matrix: Water
Analysis Batch: 251147

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
Alkalinity			250	241.1		mg/L		96	85 - 115	1	20

Lab Sample ID: 870-38417-6 DU
Matrix: Water
Analysis Batch: 251147

Client Sample ID: SFL MW-8S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	<4.00	U		<4.00	U	mg/L				NC	20

Lab Sample ID: 870-38417-7 DU
Matrix: Water
Analysis Batch: 251147

Client Sample ID: SFL MW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	154			154.6		mg/L				0.6	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-30437/1
Matrix: Water
Analysis Batch: 30437

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			07/28/25 16:13	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 870-30437/2
Matrix: Water
Analysis Batch: 30437

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1009		mg/L		101	80 - 120

Lab Sample ID: LCSD 870-30437/3
Matrix: Water
Analysis Batch: 30437

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
Total Dissolved Solids	1000	992.0		mg/L		99	80 - 120	2	10

Lab Sample ID: MB 870-30473/1
Matrix: Water
Analysis Batch: 30473

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			07/29/25 16:31	1

Lab Sample ID: LCS 870-30473/2
Matrix: Water
Analysis Batch: 30473

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	947.0		mg/L		95	80 - 120

Lab Sample ID: LCSD 870-30473/3
Matrix: Water
Analysis Batch: 30473

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
Total Dissolved Solids	1000	894.0		mg/L		89	80 - 120	6	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-38417-9 DU
Matrix: Water
Analysis Batch: 30464

Client Sample ID: FD3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.6	HF	6.6		SU		0.3	20
Temperature	23.2	HF	23.2		Celsius		0	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-729795/1-A
Matrix: Water
Analysis Batch: 733093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729795

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	68.86		24.2	25.1	50.0	27.4	pCi/L	07/30/25 14:17	08/21/25 16:59	1
Radium-228	8.978	U G	34.8	34.8	50.0	51.8	pCi/L	07/30/25 14:17	08/21/25 16:59	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: MB 160-729795/1-A
Matrix: Water
Analysis Batch: 733093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729795

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	77.84		42.4	42.9		51.8	pCi/L	07/30/25 14:17	08/21/25 16:59	1

Lab Sample ID: LCS 160-729795/2-A
Matrix: Water
Analysis Batch: 732863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 729795

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	138700		15100		873	pCi/L	97	75 - 125
Cesium-137	37800	38160		3790		167	pCi/L	101	75 - 125
Cobalt-60	52100	50500		4920		100	pCi/L	97	75 - 125

Lab Sample ID: MB 160-729960/1-A
Matrix: Water
Analysis Batch: 732936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729960

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	16.20	U G	30.9	30.9	50.0	54.4	pCi/L	07/31/25 17:55	08/21/25 01:56	1
Radium-228	-5.293	U G	17.0	17.0	50.0	65.3	pCi/L	07/31/25 17:55	08/21/25 01:56	1
Combined Radium 226 + 228	10.90	U	35.3	35.3		65.3	pCi/L	07/31/25 17:55	08/21/25 01:56	1

Lab Sample ID: LCS 160-729960/2-A
Matrix: Water
Analysis Batch: 732953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 729960

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	147900		15200		542	pCi/L	104	75 - 125
Cesium-137	37800	36630		3600		226	pCi/L	97	75 - 125
Cobalt-60	52100	50600		4940		154	pCi/L	97	75 - 125

Lab Sample ID: 870-38417-7 DU
Matrix: Water
Analysis Batch: 732936

Client Sample ID: SFL MW-8D
Prep Type: Total/NA
Prep Batch: 729960

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	17.0	U G	7.462	U	30.2	50.0	39.4	pCi/L	0.15	1
Radium-228	15.7	U	12.90	U	30.9	50.0	42.3	pCi/L	0.05	1
Combined Radium 226 + 228	32.7	U	20.36	U	43.2		42.3	pCi/L	0.15	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-729209/1-A
Matrix: Water
Analysis Batch: 732822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729209

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.07390	U	0.178	0.179	1.00	0.387	pCi/L	07/28/25 08:19	08/20/25 15:46	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:46*	*1*

Lab Sample ID: LCS 160-729209/2-A
Matrix: Water
Analysis Batch: 732822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 729209

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	9.371		1.24	1.00	0.341	pCi/L	98	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.8*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-729211/1-A
Matrix: Water
Analysis Batch: 732822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 729211

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4203	U	0.371	0.373	1.00	0.588	pCi/L	07/28/25 08:25	08/20/25 11:56	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:56*	*1*
Y Carrier	*79.6*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:56*	*1*

Lab Sample ID: LCS 160-729211/2-A
Matrix: Water
Analysis Batch: 732822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 729211

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.15	9.339		1.27	1.00	0.525	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.8*		*30 - 110*
Y Carrier	*79.6*		*30 - 110*

HPLC/IC

Analysis Batch: 251334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	9056A	
870-38417-2	SFL MW-3D	Total/NA	Water	9056A	
870-38417-3	SFL MW-7S	Total/NA	Water	9056A	
870-38417-4	EB-2	Total/NA	Water	9056A	
870-38417-5	SFL MW-15D	Total/NA	Water	9056A	
870-38417-6	SFL MW-8S	Total/NA	Water	9056A	
870-38417-7	SFL MW-8D	Total/NA	Water	9056A	
870-38417-7 - DL	SFL MW-8D	Total/NA	Water	9056A	
870-38417-8	FB-04	Total/NA	Water	9056A	
870-38417-9	FD3	Total/NA	Water	9056A	
870-38417-9 - DL	FD3	Total/NA	Water	9056A	
MB 860-251334/3	Method Blank	Total/NA	Water	9056A	
MB 860-251334/66	Method Blank	Total/NA	Water	9056A	
LCS 860-251334/67	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-251334/68	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-251334/7	Lab Control Sample	Total/NA	Water	9056A	
870-38417-4 MS	EB-2	Total/NA	Water	9056A	
870-38417-4 MSD	EB-2	Total/NA	Water	9056A	

Metals

Prep Batch: 251371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	7470A	
870-38417-2	SFL MW-3D	Total/NA	Water	7470A	
870-38417-3	SFL MW-7S	Total/NA	Water	7470A	
870-38417-4	EB-2	Total/NA	Water	7470A	
870-38417-5	SFL MW-15D	Total/NA	Water	7470A	
870-38417-6	SFL MW-8S	Total/NA	Water	7470A	
870-38417-7	SFL MW-8D	Total/NA	Water	7470A	
870-38417-8	FB-04	Total/NA	Water	7470A	
870-38417-9	FD3	Total/NA	Water	7470A	
MB 860-251371/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-251371/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-251371/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 251501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-2	SFL MW-3D	Total/NA	Water	3010A	
870-38417-4	EB-2	Total/NA	Water	3010A	
MB 860-251501/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-251501/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-251501/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 251534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	3010A	
870-38417-3	SFL MW-7S	Total/NA	Water	3010A	
870-38417-5	SFL MW-15D	Total/NA	Water	3010A	
870-38417-6	SFL MW-8S	Total/NA	Water	3010A	
870-38417-7	SFL MW-8D	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 251534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-8	FB-04	Total/NA	Water	3010A	
870-38417-9	FD3	Total/NA	Water	3010A	
MB 860-251534/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-251534/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-251534/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 251627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	7470A	251371
870-38417-2	SFL MW-3D	Total/NA	Water	7470A	251371
870-38417-3	SFL MW-7S	Total/NA	Water	7470A	251371
870-38417-4	EB-2	Total/NA	Water	7470A	251371
870-38417-5	SFL MW-15D	Total/NA	Water	7470A	251371
870-38417-6	SFL MW-8S	Total/NA	Water	7470A	251371
870-38417-7	SFL MW-8D	Total/NA	Water	7470A	251371
870-38417-8	FB-04	Total/NA	Water	7470A	251371
870-38417-9	FD3	Total/NA	Water	7470A	251371
MB 860-251371/10-A	Method Blank	Total/NA	Water	7470A	251371
LCS 860-251371/11-A	Lab Control Sample	Total/NA	Water	7470A	251371
LCSD 860-251371/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	251371

Prep Batch: 251736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-2	SFL MW-3D	Dissolved	Water	7470A	
MB 860-251736/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-251736/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-251736/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 251745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-2	SFL MW-3D	Dissolved	Water	3010A	
MB 860-251745/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-251745/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-251745/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 251848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	6020B	251534
870-38417-3	SFL MW-7S	Total/NA	Water	6020B	251534
870-38417-5	SFL MW-15D	Total/NA	Water	6020B	251534
870-38417-6	SFL MW-8S	Total/NA	Water	6020B	251534
870-38417-6	SFL MW-8S	Total/NA	Water	6020B	251534
870-38417-7	SFL MW-8D	Total/NA	Water	6020B	251534
870-38417-8	FB-04	Total/NA	Water	6020B	251534
870-38417-9	FD3	Total/NA	Water	6020B	251534
MB 860-251534/1-A	Method Blank	Total/NA	Water	6020B	251534
LCS 860-251534/2-A	Lab Control Sample	Total/NA	Water	6020B	251534
LCSD 860-251534/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	251534

Metals

Analysis Batch: 251912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-2	SFL MW-3D	Dissolved	Water	7470A	251736
MB 860-251736/10-A	Method Blank	Total/NA	Water	7470A	251736
LCS 860-251736/11-A	Lab Control Sample	Total/NA	Water	7470A	251736
LCSD 860-251736/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	251736

Prep Batch: 252036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	3010A	
870-38417-2	SFL MW-3D	Total/NA	Water	3010A	
870-38417-3	SFL MW-7S	Total/NA	Water	3010A	
870-38417-4	EB-2	Total/NA	Water	3010A	
870-38417-5	SFL MW-15D	Total/NA	Water	3010A	
870-38417-6	SFL MW-8S	Total/NA	Water	3010A	
870-38417-7	SFL MW-8D	Total/NA	Water	3010A	
870-38417-8	FB-04	Total/NA	Water	3010A	
870-38417-9	FD3	Total/NA	Water	3010A	
MB 860-252036/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-252036/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-252036/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-38417-6 MS	SFL MW-8S	Total/NA	Water	3010A	
870-38417-6 MSD	SFL MW-8S	Total/NA	Water	3010A	

Analysis Batch: 252056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-2	SFL MW-3D	Dissolved	Water	6010D	251745
870-38417-2	SFL MW-3D	Dissolved	Water	6010D	251745
MB 860-251745/1-A	Method Blank	Total/NA	Water	6010D	251745
LCS 860-251745/2-A	Lab Control Sample	Total/NA	Water	6010D	251745
LCSD 860-251745/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	251745

Analysis Batch: 252072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-2	SFL MW-3D	Total/NA	Water	6020B	251501
870-38417-4	EB-2	Total/NA	Water	6020B	251501
MB 860-251501/1-A	Method Blank	Total/NA	Water	6020B	251501
LCS 860-251501/2-A	Lab Control Sample	Total/NA	Water	6020B	251501
LCSD 860-251501/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	251501

Analysis Batch: 252484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	6010D	252036
870-38417-1	SFL MW-2D	Total/NA	Water	6010D	252036
870-38417-2	SFL MW-3D	Total/NA	Water	6010D	252036
870-38417-2	SFL MW-3D	Total/NA	Water	6010D	252036
870-38417-3	SFL MW-7S	Total/NA	Water	6010D	252036
870-38417-3	SFL MW-7S	Total/NA	Water	6010D	252036
870-38417-4	EB-2	Total/NA	Water	6010D	252036
870-38417-5	SFL MW-15D	Total/NA	Water	6010D	252036
870-38417-5	SFL MW-15D	Total/NA	Water	6010D	252036
870-38417-6	SFL MW-8S	Total/NA	Water	6010D	252036
870-38417-6	SFL MW-8S	Total/NA	Water	6010D	252036

Metals (Continued)

Analysis Batch: 252484 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-7	SFL MW-8D	Total/NA	Water	6010D	252036
870-38417-8	FB-04	Total/NA	Water	6010D	252036
870-38417-9	FD3	Total/NA	Water	6010D	252036
870-38417-9	FD3	Total/NA	Water	6010D	252036
MB 860-252036/1-A	Method Blank	Total/NA	Water	6010D	252036
LCS 860-252036/2-A	Lab Control Sample	Total/NA	Water	6010D	252036
LCSD 860-252036/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	252036
870-38417-6 MS	SFL MW-8S	Total/NA	Water	6010D	252036
870-38417-6 MSD	SFL MW-8S	Total/NA	Water	6010D	252036

General Chemistry

Analysis Batch: 30437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	SM 2540C	
870-38417-2	SFL MW-3D	Total/NA	Water	SM 2540C	
870-38417-3	SFL MW-7S	Total/NA	Water	SM 2540C	
870-38417-4	EB-2	Total/NA	Water	SM 2540C	
870-38417-5	SFL MW-15D	Total/NA	Water	SM 2540C	
MB 870-30437/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-30437/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-30437/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 30464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	SM 4500 H+ B	
870-38417-2	SFL MW-3D	Total/NA	Water	SM 4500 H+ B	
870-38417-3	SFL MW-7S	Total/NA	Water	SM 4500 H+ B	
870-38417-4	EB-2	Total/NA	Water	SM 4500 H+ B	
870-38417-5	SFL MW-15D	Total/NA	Water	SM 4500 H+ B	
870-38417-6	SFL MW-8S	Total/NA	Water	SM 4500 H+ B	
870-38417-7	SFL MW-8D	Total/NA	Water	SM 4500 H+ B	
870-38417-8	FB-04	Total/NA	Water	SM 4500 H+ B	
870-38417-9	FD3	Total/NA	Water	SM 4500 H+ B	
870-38417-9 DU	FD3	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 30473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-6	SFL MW-8S	Total/NA	Water	SM 2540C	
870-38417-7	SFL MW-8D	Total/NA	Water	SM 2540C	
870-38417-8	FB-04	Total/NA	Water	SM 2540C	
870-38417-9	FD3	Total/NA	Water	SM 2540C	
MB 870-30473/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-30473/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-30473/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 251147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	SM 2320B	
870-38417-2	SFL MW-3D	Total/NA	Water	SM 2320B	
870-38417-3	SFL MW-7S	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 251147 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-4	EB-2	Total/NA	Water	SM 2320B	
870-38417-5	SFL MW-15D	Total/NA	Water	SM 2320B	
870-38417-6	SFL MW-8S	Total/NA	Water	SM 2320B	
870-38417-7	SFL MW-8D	Total/NA	Water	SM 2320B	
870-38417-8	FB-04	Total/NA	Water	SM 2320B	
870-38417-9	FD3	Total/NA	Water	SM 2320B	
MB 860-251147/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-251147/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-251147/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-38417-6 DU	SFL MW-8S	Total/NA	Water	SM 2320B	
870-38417-7 DU	SFL MW-8D	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 729209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	PrecSep-21	
870-38417-2	SFL MW-3D	Total/NA	Water	PrecSep-21	
870-38417-3	SFL MW-7S	Total/NA	Water	PrecSep-21	
870-38417-4	EB-2	Total/NA	Water	PrecSep-21	
870-38417-5	SFL MW-15D	Total/NA	Water	PrecSep-21	
870-38417-6	SFL MW-8S	Total/NA	Water	PrecSep-21	
870-38417-7	SFL MW-8D	Total/NA	Water	PrecSep-21	
870-38417-8	FB-04	Total/NA	Water	PrecSep-21	
870-38417-9	FD3	Total/NA	Water	PrecSep-21	
MB 160-729209/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-729209/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 729211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	PrecSep_0	
870-38417-2	SFL MW-3D	Total/NA	Water	PrecSep_0	
870-38417-3	SFL MW-7S	Total/NA	Water	PrecSep_0	
870-38417-4	EB-2	Total/NA	Water	PrecSep_0	
870-38417-5	SFL MW-15D	Total/NA	Water	PrecSep_0	
870-38417-6	SFL MW-8S	Total/NA	Water	PrecSep_0	
870-38417-7	SFL MW-8D	Total/NA	Water	PrecSep_0	
870-38417-8	FB-04	Total/NA	Water	PrecSep_0	
870-38417-9	FD3	Total/NA	Water	PrecSep_0	
MB 160-729211/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-729211/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 729795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-1	SFL MW-2D	Total/NA	Water	Fill_Geo-21	
870-38417-2	SFL MW-3D	Total/NA	Water	Fill_Geo-21	
870-38417-3	SFL MW-7S	Total/NA	Water	Fill_Geo-21	
870-38417-4	EB-2	Total/NA	Water	Fill_Geo-21	
870-38417-5	SFL MW-15D	Total/NA	Water	Fill_Geo-21	
870-38417-6	SFL MW-8S	Total/NA	Water	Fill_Geo-21	
MB 160-729795/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	

Rad (Continued)

Prep Batch: 729795 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-729795/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 729960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38417-7	SFL MW-8D	Total/NA	Water	Fill_Geo-21	
870-38417-8	FB-04	Total/NA	Water	Fill_Geo-21	
870-38417-9	FD3	Total/NA	Water	Fill_Geo-21	
MB 160-729960/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-729960/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-38417-7 DU	SFL MW-8D	Total/NA	Water	Fill_Geo-21	

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-38417-1

Date Collected: 07/22/25 08:05
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251334	07/26/25 21:37	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		50			252484	07/31/25 12:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251534	07/28/25 13:26	MD	EET HOU
Total/NA	Analysis	6020B		1			251848	07/29/25 01:45	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:07	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 11:23	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30437	07/28/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729795	07/30/25 14:17	SAC	EET SL
Total/NA	Analysis	901.1		1			732863	08/20/25 07:28	CAH	EET SL
Total/NA	Prep	PrecSep-21			1001.98 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732822	08/20/25 15:48	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.98 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732822	08/20/25 11:57	SWS	EET SL

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-38417-2

Date Collected: 07/22/25 10:10
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251334	07/26/25 21:50	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	251745	07/29/25 11:23	MD	EET HOU
Dissolved	Analysis	6010D		1			252056	07/30/25 12:18	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	251745	07/29/25 11:23	MD	EET HOU
Dissolved	Analysis	6010D		50			252056	07/30/25 12:23	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		50			252484	07/31/25 12:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251501	07/28/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			252072	07/30/25 00:18	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	251736	07/29/25 10:32	AGR	EET HOU
Dissolved	Analysis	7470A		1			251912	07/29/25 18:11	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:11	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 11:29	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30437	07/28/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729795	07/30/25 14:17	SAC	EET SL
Total/NA	Analysis	901.1		1			732783	08/20/25 07:28	MLS	EET SL

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-38417-2
Date Collected: 07/22/25 10:10
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			503.30 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732816	08/20/25 15:48	SWS	EET SL
Total/NA	Prep	PrecSep_0			503.30 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732822	08/20/25 11:57	SWS	EET SL

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-38417-3
Date Collected: 07/22/25 10:05
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			251334	07/26/25 22:15	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:38	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		50			252484	07/31/25 12:48	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251534	07/28/25 13:26	MD	EET HOU
Total/NA	Analysis	6020B		1			251848	07/29/25 01:48	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 10:52	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	30437	07/28/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729795	07/30/25 14:17	SAC	EET SL
Total/NA	Analysis	901.1		1			732783	08/20/25 12:00	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.77 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732816	08/20/25 15:49	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.77 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732822	08/20/25 11:57	SWS	EET SL

Client Sample ID: EB-2
Lab Sample ID: 870-38417-4
Date Collected: 07/22/25 11:00
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			251334	07/26/25 21:18	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251501	07/28/25 13:30	MD	EET HOU
Total/NA	Analysis	6020B		1			252072	07/30/25 00:15	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:13	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 10:58	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	30437	07/28/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL

Client Sample ID: EB-2
Lab Sample ID: 870-38417-4

Date Collected: 07/22/25 11:00
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729795	07/30/25 14:17	SAC	EET SL
Total/NA	Analysis	901.1		1			732783	08/20/25 09:15	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.31 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732816	08/20/25 15:49	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.31 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732822	08/20/25 11:57	SWS	EET SL

Client Sample ID: SFL MW-15D
Lab Sample ID: 870-38417-5

Date Collected: 07/22/25 12:05
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251334	07/26/25 22:28	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		50			252484	07/31/25 12:30	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251534	07/28/25 13:26	MD	EET HOU
Total/NA	Analysis	6020B		1			251848	07/29/25 01:51	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:15	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 10:22	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	30437	07/28/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729795	07/30/25 14:17	SAC	EET SL
Total/NA	Analysis	901.1		1			732863	08/20/25 09:15	CAH	EET SL
Total/NA	Prep	PrecSep-21			1001.40 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732816	08/20/25 15:49	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.40 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732822	08/20/25 11:58	SWS	EET SL

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-38417-6

Date Collected: 07/22/25 13:45
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			251334	07/26/25 22:41	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:05	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		50			252484	07/31/25 12:13	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251534	07/28/25 13:26	MD	EET HOU
Total/NA	Analysis	6020B		1			251848	07/29/25 01:54	SHZ	EET HOU

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-38417-6

Date Collected: 07/22/25 13:45
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	251534	07/28/25 13:26	MD	EET HOU
Total/NA	Analysis	6020B		5			251848	07/29/25 01:58	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 09:53	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	30473	07/29/25 16:31	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729795	07/30/25 14:17	SAC	EET SL
Total/NA	Analysis	901.1		1			732863	08/20/25 11:00	CAH	EET SL
Total/NA	Prep	PrecSep-21			1002.54 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732816	08/20/25 15:50	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.54 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732816	08/20/25 11:52	SWS	EET SL

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-38417-7

Date Collected: 07/22/25 15:30
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			251334	07/26/25 22:53	WP	EET HOU
Total/NA	Analysis	9056A	DL	10			251334	07/26/25 23:00	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:39	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251534	07/28/25 13:26	MD	EET HOU
Total/NA	Analysis	6020B		1			251848	07/29/25 02:01	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:18	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 10:00	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	30473	07/29/25 16:31	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729960	07/31/25 17:55	CHM	EET SL
Total/NA	Analysis	901.1		1			733093	08/21/25 01:57	SCB	EET SL
Total/NA	Prep	PrecSep-21			1001.90 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732816	08/20/25 15:50	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.90 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732816	08/20/25 11:52	SWS	EET SL

Client Sample ID: FB-04
Lab Sample ID: 870-38417-8

Date Collected: 07/22/25 14:00
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			251334	07/26/25 23:06	WP	EET HOU

Client Sample ID: FB-04
Lab Sample ID: 870-38417-8

Date Collected: 07/22/25 14:00
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251534	07/28/25 13:26	MD	EET HOU
Total/NA	Analysis	6020B		1			251848	07/29/25 02:04	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:19	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 10:12	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	30473	07/29/25 16:31	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729960	07/31/25 17:55	CHM	EET SL
Total/NA	Analysis	901.1		1			732938	08/21/25 01:57	SCB	EET SL
Total/NA	Prep	PrecSep-21			1005.17 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732816	08/20/25 15:51	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.17 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732816	08/20/25 11:52	SWS	EET SL

Client Sample ID: FD3
Lab Sample ID: 870-38417-9

Date Collected: 07/22/25 14:00
Matrix: Water
Date Received: 07/24/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			251334	07/26/25 23:31	WP	EET HOU
Total/NA	Analysis	9056A	DL	10			251334	07/26/25 23:38	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		1			252484	07/31/25 12:43	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	252036	07/30/25 11:27	MD	EET HOU
Total/NA	Analysis	6010D		50			252484	07/31/25 12:53	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251534	07/28/25 13:26	MD	EET HOU
Total/NA	Analysis	6020B		1			251848	07/29/25 02:07	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	251371	07/28/25 02:33	AGR	EET HOU
Total/NA	Analysis	7470A		1			251627	07/28/25 16:20	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 10:16	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	30473	07/29/25 16:31	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			30464	07/29/25 14:07	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	729960	07/31/25 17:55	CHM	EET SL
Total/NA	Analysis	901.1		1			733093	08/21/25 03:09	SCB	EET SL
Total/NA	Prep	PrecSep-21			1005.14 mL	1.0 g	729209	07/28/25 08:19	JTR	EET SL
Total/NA	Analysis	903.0		1			732816	08/20/25 15:51	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.14 mL	1.0 g	729211	07/28/25 08:25	JTR	EET SL
Total/NA	Analysis	904.0		1			732816	08/20/25 11:52	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-38417-1
Project/Site: Appendix III/IV

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-38417-1
Project/Site: Appendix III/IV

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	08-25-25

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38417-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38417-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-38417-1	SFL MW-2D	Water	07/22/25 08:05	07/24/25 09:07	Texas
870-38417-2	SFL MW-3D	Water	07/22/25 10:10	07/24/25 09:07	Texas
870-38417-3	SFL MW-7S	Water	07/22/25 10:05	07/24/25 09:07	Texas
870-38417-4	EB-2	Water	07/22/25 11:00	07/24/25 09:07	Texas
870-38417-5	SFL MW-15D	Water	07/22/25 12:05	07/24/25 09:07	Texas
870-38417-6	SFL MW-8S	Water	07/22/25 13:45	07/24/25 09:07	Texas
870-38417-7	SFL MW-8D	Water	07/22/25 15:30	07/24/25 09:07	Texas
870-38417-8	FB-04	Water	07/22/25 14:00	07/24/25 09:07	Texas
870-38417-9	FD3	Water	07/22/25 14:00	07/24/25 09:07	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

Copy/ Cooler 2 of 3

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8/28/2025

Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-13622-4449.1
Client Contact: Courtney Stewart	Phone: (979) 574 4216	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 1 of # 1
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Courtney.Stewart@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A TOTAL Mettle	6010D, 7470A DISSOLVED Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N						
SFL MW-2D	7/22/25	0805	G	Water			X	X	X	X	X			X	X					7	
SFL MW-3D	7/22/25	1012	G	Water	Y		X	X	X	X	X		X	X	X					8	
SFL MW-7S	7/22/25	1005	G	Water			X	X	X	X	X			X	X					7	
EB-2	7/22/25	1100	G	Water			X	X	X	X	X			X	X					7	
SFL MW-15D	7/22/25	1205	G	Water			X	X	X	X	X			X	X					7	
SFL MW-9S	7/22/25	1345	G	Water			X	X	X	X	X			X	X					7	
SFL MW-9D	7/22/25	1530	G	Water			X	X	X	X	X			X	X					7	
FB-01	7/22/25 ~~7/23/25~~	1400	G	Water			X	X	X	X	X			X	X					7	
~~SFL MW-8D~~ FD3	7/22/25	1400	G	Water			X	X	X	X	X			X	X					7	
				Water			X														
				Water																	

870-38417 Chain of Custody

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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: 8830 0354 1300

Relinquished by: WRC/Pwc	Date/Time: 7/23/25 1400	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 7/24/25 907	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.8/1.9 0.2/0.3 0.8/0.9 THM-027

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8818.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-38417-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 7/31/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-2D (870-38417-1)	7/22/25	08:05 Central	G	Water			X	X	X	2	
SFL MW-3D (870-38417-2)	7/22/25	10:10 Central	G	Water			X	X	X	2	
SFL MW-7S (870-38417-3)	7/22/25	10:05 Central	G	Water			X	X	X	2	
EB-2 (870-38417-4)	7/22/25	11:00 Central	G	Water			X	X	X	2	
SFL MW-15D (870-38417-5)	7/22/25	12:05 Central	G	Water			X	X	X	2	
SFL MW-8S (870-38417-6)	7/22/25	13:45 Central	G	Water			X	X	X	2	
SFL MW-88D (870-38417-7)	7/22/25	15:30 Central	G	Water			X	X	X	2	
FB-04 (870-38417-8)	7/22/25	14:00 Central	G	Water			X	X	X	2	
FD3 (870-38417-9)	7/22/25	14:00 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 07/24/25-1700	Company	Received by: JUL 24 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: JUL 25 2025 0830	Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins Environment Testing

8/28/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8821 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-38417 1
Address: 4145 Greenbriar Dr	Due Date Requested: 7/30/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SFL MW-2D (870-38417-1)	7/22/25	08:05 Central	G	Water			X	X	X	X	X			3	
SFL MW-3D (870-38417-2)	7/22/25	10:10 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
SFL MW-7S (870-38417-3)	7/22/25	10:05 Central	G	Water			X	X	X	X	X			3	
EB-2 (870-38417-4)	7/22/25	11:00 Central	G	Water			X	X	X	X	X			3	
SFL MW-15D (870-38417-5)	7/22/25	12:05 Central	G	Water			X	X	X	X	X			3	
SFL MW-8S (870-38417-6)	7/22/25	13:45 Central	G	Water			X	X	X	X	X			3	
SFL MW-88D (870-38417 7)	7/22/25	15:30 Central	G	Water			X	X	X	X	X			3	
FB-04 (870-38417-8)	7/22/25	14:00 Central	G	Water			X	X	X	X	X			3	
FD3 (870-38417-9)	7/22/25	14:00 Central	G	Water			X	X	X	X	X			3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 07/24/25 1700	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38417-1

Login Number: 38417
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38417-1

Login Number: 38417
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 07/25/25 07:23 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-38417-1

Login Number: 38417
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 07/25/25 12:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

August 2025 Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

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JOB DESCRIPTION

GCSES

JOB NUMBER

870-39387-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

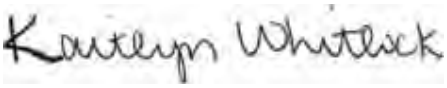
my EOL

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



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Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
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Definitions/Glossary

Client: HDR Inc
Project/Site: GCSES

Job ID: 870-39387-1

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
870-39387-1

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 8/27/2025 9:59 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.4°C, 0.4°C, 0.6°C and 0.8°C.

Receipt Exceptions
Sample has client ID discrepancy. COC lists FD-1, client label lists FD1. Sample date and time match and the IDs are similar, therefore the lab can reasonably conclude it is the correct sample.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): FB-1 (870-39387-9). The container label lists FB-01, while the COC lists FB-1.

HPLC/IC
Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSP MW-6D (870-39387-1), SSP MW-6S (870-39387-2), SSP MW-5S (870-39387-3), FD-1 (870-39387-4), SSP MW-4S (870-39387-5), AP PZ-4 (870-39387-6), AP PZ-4S (870-39387-7), AP MW-5D (870-39387-8), AP MW-7S (870-39387-10) and AP MW-7D (870-39387-11). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010D: The method blank for preparation batch 860-258507 and analytical batch 860-258837 contained Lithium the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-258507 and analytical batch 860-258837 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The method blank for preparation batch 860-258726 and analytical batch 860-258837 contained Lithium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The following samples were diluted due to the nature of the sample matrix: SSP MW-4S (870-39387-5) and AP MW-5D (870-39387-8). Elevated reporting limits (RLs) are provided.

Method 6020B: The following samples were diluted due to the nature of the sample matrix: SSP MW-6S (870-39387-2), SSP MW-5S (870-39387-3), FD-1 (870-39387-4), SSP MW-4S (870-39387-5), AP PZ-4S (870-39387-7) and AP MW-5D (870-39387-8). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: AP PZ-4 (870-39387-6). Elevated reporting limits (RLs) are provided.

Method 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-259844 and analytical

batch 860-260518 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6020B: The following samples were diluted due to the nature of the sample matrix: AP MW-7S (870-39387-10) and AP MW-7D (870-39387-11). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SSP MW-6D (870-39387-1) and SSP MW-6S (870-39387-2).

Method SM4500_H+: The following samples were received outside of holding time: SSP MW-5S (870-39387-3), FD-1 (870-39387-4), SSP MW-4S (870-39387-5), AP PZ-4 (870-39387-6), AP PZ-4S (870-39387-7), AP MW-5D (870-39387-8), FB-1 (870-39387-9), AP MW-7S (870-39387-10) and AP MW-7D (870-39387-11).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 734454
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SSP MW-6S (870-39387-2), SSP MW-5S (870-39387-3), FD-1 (870-39387-4), SSP MW-4S (870-39387-5), AP PZ-4 (870-39387-6), AP PZ-4S (870-39387-7), FB-1 (870-39387-9), AP MW-7S (870-39387-10) and AP MW-7D (870-39387-11)

Method 901.1_Ra: Gamma Batch 734454
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-734454/1-A).

Method 901.1_Ra: Gamma Batch 734454
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211

Job ID: 870-39387-1 (Continued)

Th-227 Pb-211
Bi-214 Ra-226

SSP MW-6D (870-39387-1), SSP MW-6S (870-39387-2), SSP MW-5S (870-39387-3), FD-1 (870-39387-4), SSP MW-4S (870-39387-5), AP PZ-4 (870-39387-6), AP PZ-4S (870-39387-7), AP MW-5D (870-39387-8), FB-1 (870-39387-9), AP MW-7S (870-39387-10), AP MW-7D (870-39387-11) and (870-39387-A-1-B DU)

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

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

Client: HDR Inc
Project/Site: GCSES

Job ID: 870-39387-1

Client Sample ID: SSP MW-6D

Date Collected: 08/25/25 08:30
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1390**		2.50	1.25	mg/L			08/29/25 17:09	5
Fluoride	<0.500	U	2.50	0.500	mg/L			08/29/25 17:09	5
Sulfate	**1140**		2.50	1.00	mg/L			08/29/25 17:09	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.528**		0.0500	0.0162	mg/L		09/05/25 09:21	09/05/25 15:41	1
Calcium	**462**		10.0	5.08	mg/L		09/05/25 09:21	09/05/25 15:49	50
Magnesium	**68.8**		0.200	0.0445	mg/L		09/05/25 09:21	09/05/25 15:41	1
Potassium	**45.4**		0.500	0.106	mg/L		09/05/25 09:21	09/05/25 15:41	1
Sodium	**1070**		25.0	7.59	mg/L		09/05/25 09:21	09/05/25 15:49	50
Lithium	**0.133**		0.0400	0.0174	mg/L		09/05/25 09:21	09/05/25 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0153**	**J**	0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:46	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 10:09	09/05/25 05:46	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:46	1
Barium	**0.0448**		0.00400	0.00134	mg/L		09/04/25 10:09	09/05/25 05:46	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 05:46	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:46	1
Chromium	**0.000568**	**J**	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:46	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:46	1
Iron	**1.78**		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:46	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/04/25 10:09	09/05/25 05:46	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:46	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:46	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 10:09	09/05/25 05:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**272**		4.00	4.00	mg/L			09/03/25 15:11	1
Total Dissolved Solids (SM 2540C)	**4160**		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	**23.7**	**HF**			Celsius			09/04/25 14:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**82.7**		27.6	28.8	50.0	32.1	pCi/L	09/02/25 11:26	09/23/25 02:40	1
Radium-228	15.4	U	34.6	34.7	50.0	46.4	pCi/L	09/02/25 11:26	09/23/25 02:40	1
Combined Radium 226 + 228	**98.1**		44.3	45.1		46.4	pCi/L	09/02/25 11:26	09/23/25 02:40	1

Client Sample ID: SSP MW-6D

Lab Sample ID: 870-39387-1

Date Collected: 08/25/25 08:30

Matrix: Water

Date Received: 08/27/25 09:59

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.389**		0.244	0.247	1.00	0.327	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.49**		0.540	0.587	1.00	0.506	pCi/L	08/29/25 10:55	09/24/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:57*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:57*	*1*

Client Sample ID: SSP MW-6S

Lab Sample ID: 870-39387-2

Date Collected: 08/25/25 10:30

Matrix: Water

Date Received: 08/27/25 09:59

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1460**		2.50	1.25	mg/L			08/29/25 17:25	5
Fluoride	<0.500	U	2.50	0.500	mg/L			08/29/25 17:25	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**3050**		25.0	10.0	mg/L			08/29/25 17:33	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.399**		0.0500	0.0162	mg/L		08/29/25 10:00	08/29/25 18:53	1
Calcium	**660**		10.0	5.08	mg/L		08/29/25 10:00	08/29/25 19:01	50
Magnesium	**174**		10.0	2.22	mg/L		08/29/25 10:00	08/29/25 19:01	50
Potassium	**49.2**		0.500	0.106	mg/L		08/29/25 10:00	08/29/25 18:53	1
Sodium	**1170**		25.0	7.59	mg/L		08/29/25 10:00	08/29/25 19:01	50
Lithium	**0.322**	**B**	0.0400	0.0174	mg/L		08/29/25 10:00	08/29/25 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.497**		0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:48	1
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 10:09	09/05/25 17:17	5
Arsenic	**0.00203**	**J**	0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:48	1
Barium	**0.0186**	**J**	0.0200	0.00671	mg/L		09/04/25 10:09	09/05/25 17:17	5
Beryllium	**0.0561**		0.0100	0.00136	mg/L		09/04/25 10:09	09/05/25 17:17	5
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:48	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:48	1
Cobalt	**0.0109**		0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:48	1
Iron	**7.61**		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:48	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 10:09	09/05/25 17:17	5

Client Sample ID: SSP MW-6S

Lab Sample ID: 870-39387-2

Date Collected: 08/25/25 10:30

Matrix: Water

Date Received: 08/27/25 09:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:48	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:48	1
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 10:09	09/05/25 17:17	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	42.9		4.00	4.00	mg/L			09/03/25 15:24	1
Total Dissolved Solids (SM 2540C)	6050		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	5.4	HF			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	23.3	HF			Celsius			09/04/25 14:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.67	U G	3.42	3.43	50.0	84.8	pCi/L	09/02/25 11:26	09/23/25 03:44	1
Radium-228	8.60	U G	42.0	42.0	50.0	90.5	pCi/L	09/02/25 11:26	09/23/25 03:44	1
Combined Radium 226 + 228	11.3	U	42.1	42.1		90.5	pCi/L	09/02/25 11:26	09/23/25 03:44	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.500		0.257	0.261	1.00	0.314	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.57		0.549	0.598	1.00	0.545	pCi/L	08/29/25 10:55	09/24/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:57*	*1*
Y Carrier	*83.0*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:57*	*1*

Client Sample ID: SSP MW-5S

Lab Sample ID: 870-39387-3

Date Collected: 08/25/25 12:10

Matrix: Water

Date Received: 08/27/25 09:59

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		2.50	1.25	mg/L			08/29/25 17:57	5
Fluoride	<0.500	U	2.50	0.500	mg/L			08/29/25 17:57	5
Sulfate	944		2.50	1.00	mg/L			08/29/25 17:57	5

Client Sample ID: SSP MW-5S

Date Collected: 08/25/25 12:10
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-3

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.198**		0.0500	0.0162	mg/L		08/28/25 13:28	08/29/25 14:19	1
Calcium	**468**		10.0	5.08	mg/L		08/28/25 13:28	08/29/25 14:28	50
Magnesium	**94.0**		1.00	0.222	mg/L		08/28/25 13:28	08/29/25 14:26	5
Potassium	**30.3**		0.500	0.106	mg/L		08/28/25 13:28	08/29/25 14:19	1
Sodium	**1160**		25.0	7.59	mg/L		08/28/25 13:28	08/29/25 14:28	50
Lithium	**0.230**	**B F1**	0.0400	0.0174	mg/L		08/28/25 13:28	08/29/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0370**		0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:51	1
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 10:09	09/05/25 17:20	5
Arsenic	**0.00776**		0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:51	1
Barium	**0.0289**		0.0200	0.00671	mg/L		09/04/25 10:09	09/05/25 17:20	5
Beryllium	**0.00253**	**J**	0.0100	0.00136	mg/L		09/04/25 10:09	09/05/25 17:20	5
Cadmium	**0.00130**	**J**	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:51	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:51	1
Cobalt	**0.0377**		0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:51	1
Iron	**1.58**		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:51	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 10:09	09/05/25 17:20	5
Molybdenum	**0.000256**	**J**	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:51	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:51	1
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 10:09	09/05/25 17:20	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**38.6**		4.00	4.00	mg/L			09/03/25 15:34	1
Total Dissolved Solids (SM 2540C)	**5600**		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**5.3**	**HF**			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	**23.0**	**HF**			Celsius			09/05/25 13:46	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**27.6**		17.7	17.9	50.0	25.1	pCi/L	09/02/25 11:26	09/23/25 03:43	1
Radium-228	-1.11	U G	31.3	31.3	50.0	53.6	pCi/L	09/02/25 11:26	09/23/25 03:43	1
Combined Radium 226 + 228	26.5	U	36.0	36.1		53.6	pCi/L	09/02/25 11:26	09/23/25 03:43	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.855**		0.320	0.329	1.00	0.322	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Client Sample ID: SSP MW-5S

Lab Sample ID: 870-39387-3

Date Collected: 08/25/25 12:10

Matrix: Water

Date Received: 08/27/25 09:59

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.01		0.653	0.709	1.00	0.682	pCi/L	08/29/25 10:55	09/24/25 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*
Y Carrier	*83.0*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*

Client Sample ID: FD-1

Lab Sample ID: 870-39387-4

Date Collected: 08/25/25 12:15

Matrix: Water

Date Received: 08/27/25 09:59

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1940		2.50	1.25	mg/L			08/29/25 18:13	5
Fluoride	<0.500	U	2.50	0.500	mg/L			08/29/25 18:13	5
Sulfate	956		2.50	1.00	mg/L			08/29/25 18:13	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.200		0.0500	0.0162	mg/L		09/05/25 10:18	09/05/25 17:51	1
Calcium	441		10.0	5.08	mg/L		09/05/25 10:18	09/05/25 17:56	50
Magnesium	87.5		10.0	2.22	mg/L		09/05/25 10:18	09/05/25 17:56	50
Potassium	30.1		0.500	0.106	mg/L		09/05/25 10:18	09/05/25 17:51	1
Sodium	1090		25.0	7.59	mg/L		09/05/25 10:18	09/05/25 17:56	50
Lithium	0.0976		0.0400	0.0174	mg/L		09/05/25 10:18	09/05/25 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0439	J	0.100	0.0275	mg/L		09/04/25 10:09	09/05/25 17:23	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 10:09	09/05/25 17:23	5
Arsenic	0.00768		0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:54	1
Barium	0.0296		0.0200	0.00671	mg/L		09/04/25 10:09	09/05/25 17:23	5
Beryllium	0.00263		0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 05:54	1
Cadmium	0.00132	J	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:54	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:54	1
Cobalt	0.0384		0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:54	1
Iron	1.59		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:54	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 10:09	09/05/25 17:23	5
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:54	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:54	1
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 10:09	09/05/25 17:23	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	48.9		4.00	4.00	mg/L			09/03/25 15:40	1
Total Dissolved Solids (SM 2540C)	4830		20.0	20.0	mg/L			08/27/25 18:17	1

Client Sample ID: FD-1

Lab Sample ID: 870-39387-4

Date Collected: 08/25/25 12:15

Matrix: Water

Date Received: 08/27/25 09:59

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	5.2	HF			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	22.6	HF			Celsius			09/05/25 13:46	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-17.7	U G	19.7	19.8	50.0	61.1	pCi/L	09/02/25 11:26	09/23/25 03:44	1
Radium-228	14.1	U G	38.7	38.8	50.0	55.1	pCi/L	09/02/25 11:26	09/23/25 03:44	1
Combined Radium 226 + 228	-3.56	U	43.4	43.6		61.1	pCi/L	09/02/25 11:26	09/23/25 03:44	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.934		0.356	0.365	1.00	0.356	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.1*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.64		0.711	0.751	1.00	0.809	pCi/L	08/29/25 10:55	09/24/25 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.1*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*
Y Carrier	*75.9*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*

Client Sample ID: SSP MW-4S

Lab Sample ID: 870-39387-5

Date Collected: 08/25/25 14:35

Matrix: Water

Date Received: 08/27/25 09:59

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	473		2.50	1.25	mg/L			08/29/25 18:30	5
Fluoride	2.67		2.50	0.500	mg/L			08/29/25 18:30	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3160		25.0	10.0	mg/L			08/29/25 18:38	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	11.0		0.0500	0.0162	mg/L		09/05/25 10:18	09/05/25 17:53	1
Calcium	520		10.0	5.08	mg/L		09/05/25 10:18	09/05/25 17:57	50
Magnesium	222		10.0	2.22	mg/L		09/05/25 10:18	09/05/25 17:57	50
Potassium	37.0		0.500	0.106	mg/L		09/05/25 10:18	09/05/25 17:53	1
Sodium	456		25.0	7.59	mg/L		09/05/25 10:18	09/05/25 17:57	50
Lithium	0.0713		0.0400	0.0174	mg/L		09/05/25 10:18	09/05/25 17:53	1

Client Sample ID: SSP MW-4S

Date Collected: 08/25/25 14:35
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27.1**		0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:57	1
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 10:09	09/05/25 06:05	5
Arsenic	**0.0111**		0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:57	1
Barium	**0.0298**		0.0200	0.00671	mg/L		09/04/25 10:09	09/05/25 17:26	5
Beryllium	**0.0293**		0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 05:57	1
Cadmium	**0.00237**		0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:57	1
Chromium	**0.00109**	**J**	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:57	1
Cobalt	**0.112**		0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:57	1
Iron	**47.6**		0.100	0.0223	mg/L		09/04/25 10:09	09/05/25 06:05	5
Lead	**0.0178**		0.0100	0.00184	mg/L		09/04/25 10:09	09/05/25 06:05	5
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:57	1
Selenium	**0.00173**	**J**	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:57	1
Thallium	**0.00375**	**J**	0.0100	0.00208	mg/L		09/04/25 10:09	09/05/25 06:05	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000162**	**J**	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/03/25 15:45	1
Total Dissolved Solids (SM 2540C)	**4350**		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**3.5**	**HF**			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	**23.2**	**HF**			Celsius			09/05/25 13:46	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.20	U G	12.9	12.9	50.0	82.9	pCi/L	09/02/25 11:26	09/23/25 03:44	1
Radium-228	-1.53	U G	31.7	31.7	50.0	55.1	pCi/L	09/02/25 11:26	09/23/25 03:44	1
Combined Radium 226 + 228	5.67	U	34.2	34.2		82.9	pCi/L	09/02/25 11:26	09/23/25 03:44	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**4.43**		0.783	0.879	1.00	0.543	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**9.22**		1.09	1.38	1.00	0.664	pCi/L	08/29/25 10:55	09/24/25 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*

Client Sample ID: SSP MW-4S

Lab Sample ID: 870-39387-5

Date Collected: 08/25/25 14:35

Matrix: Water

Date Received: 08/27/25 09:59

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	81.9		30 - 110	08/29/25 10:55	09/24/25 11:58	1

Client Sample ID: AP PZ-4

Lab Sample ID: 870-39387-6

Date Collected: 08/25/25 16:35

Matrix: Water

Date Received: 08/27/25 09:59

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		2.50	1.25	mg/L			08/29/25 18:46	5
Fluoride	<0.500	U	2.50	0.500	mg/L			08/29/25 18:46	5
Sulfate	**107**		2.50	1.00	mg/L			08/29/25 18:46	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.402**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 18:18	1
Calcium	**555**		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 18:23	50
Magnesium	**10.8**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 18:18	1
Potassium	**67.3**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 18:18	1
Sodium	**890**		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 18:23	50
Lithium	**0.457**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0275	U	0.100	0.0275	mg/L		09/04/25 12:53	09/05/25 21:05	5
Antimony	**0.00772**	**J**	0.0100	0.00375	mg/L		09/04/25 12:53	09/05/25 21:05	5
Arsenic	<0.00345	U	0.0200	0.00345	mg/L		09/04/25 12:53	09/05/25 21:05	5
Barium	**0.252**	**F1**	0.0200	0.00671	mg/L		09/04/25 12:53	09/05/25 21:05	5
Beryllium	<0.00136	U	0.0100	0.00136	mg/L		09/04/25 12:53	09/05/25 21:05	5
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		09/04/25 12:53	09/05/25 21:05	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		09/04/25 12:53	09/05/25 21:05	5
Cobalt	<0.00178	U	0.0100	0.00178	mg/L		09/04/25 12:53	09/05/25 21:05	5
Iron	<0.0223	U	0.100	0.0223	mg/L		09/04/25 12:53	09/05/25 21:05	5
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 12:53	09/05/25 21:05	5
Molybdenum	**0.00284**	**J**	0.0100	0.00128	mg/L		09/04/25 12:53	09/05/25 21:05	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		09/04/25 12:53	09/05/25 21:05	5
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 12:53	09/05/25 21:05	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**8.58**		4.00	4.00	mg/L			09/03/25 16:28	1
Total Dissolved Solids (SM 2540C)	**4280**		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**7.7**	**HF**			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	**23.0**	**HF**			Celsius			09/05/25 13:46	1

Client Sample ID: AP PZ-4

Lab Sample ID: 870-39387-6

Date Collected: 08/25/25 16:35

Matrix: Water

Date Received: 08/27/25 09:59

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**39.5**		21.2	21.5	50.0	27.0	pCi/L	09/02/25 11:26	09/23/25 03:45	1
Radium-228	-7.12	U G	13.7	13.7	50.0	67.7	pCi/L	09/02/25 11:26	09/23/25 03:45	1
Combined Radium 226 + 228	32.3	U	25.2	25.5		67.7	pCi/L	09/02/25 11:26	09/23/25 03:45	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.875**		0.318	0.328	1.00	0.325	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.69**		0.539	0.561	1.00	0.669	pCi/L	08/29/25 10:55	09/24/25 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*
Y Carrier	*82.6*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*

Client Sample ID: AP PZ-4S

Lab Sample ID: 870-39387-7

Date Collected: 08/25/25 08:55

Matrix: Water

Date Received: 08/27/25 09:59

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.500	U	2.50	0.500	mg/L			08/29/25 19:02	5
Sulfate	**1300**		2.50	1.00	mg/L			08/29/25 19:02	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2970**		25.0	12.5	mg/L			08/29/25 19:10	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.08**		0.0500	0.0162	mg/L		09/05/25 10:18	09/05/25 17:54	1
Calcium	**880**		10.0	5.08	mg/L		09/05/25 10:18	09/05/25 17:59	50
Magnesium	**160**		10.0	2.22	mg/L		09/05/25 10:18	09/05/25 17:59	50
Potassium	**103**		0.500	0.106	mg/L		09/05/25 10:18	09/05/25 17:54	1
Sodium	**1320**		25.0	7.59	mg/L		09/05/25 10:18	09/05/25 17:59	50
Lithium	**0.557**		0.0400	0.0174	mg/L		09/05/25 10:18	09/05/25 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.378**		0.100	0.0275	mg/L		09/04/25 10:09	09/05/25 17:29	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 10:09	09/05/25 17:29	5

Client Sample ID: AP PZ-4S

Date Collected: 08/25/25 08:55
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00986**	**J**	0.0200	0.00345	mg/L		09/04/25 10:09	09/05/25 17:29	5
Barium	**0.0868**		0.0200	0.00671	mg/L		09/04/25 10:09	09/05/25 17:29	5
Beryllium	<0.00136	U	0.0100	0.00136	mg/L		09/04/25 10:09	09/05/25 17:29	5
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		09/04/25 10:09	09/05/25 17:29	5
Chromium	**0.00375**	**J**	0.0200	0.00280	mg/L		09/04/25 10:09	09/05/25 17:29	5
Cobalt	**0.0149**		0.0100	0.00178	mg/L		09/04/25 10:09	09/05/25 17:29	5
Iron	**1.09**		0.100	0.0223	mg/L		09/04/25 10:09	09/05/25 17:29	5
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 10:09	09/05/25 17:29	5
Molybdenum	**0.00289**	**J**	0.0100	0.00128	mg/L		09/04/25 10:09	09/05/25 17:29	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		09/04/25 10:09	09/05/25 17:29	5
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 10:09	09/05/25 17:29	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**207**		4.00	4.00	mg/L			09/03/25 16:33	1
Total Dissolved Solids (SM 2540C)	**7970**		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**6.7**	**HF**			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	**22.6**	**HF**			Celsius			09/05/25 13:46	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	23.1	U G	14.7	14.9	50.0	70.0	pCi/L	09/02/25 11:26	09/23/25 03:44	1
Radium-228	14.8	U G	34.9	34.9	50.0	56.9	pCi/L	09/02/25 11:26	09/23/25 03:44	1
Combined Radium 226 + 228	37.9	U	37.9	37.9		70.0	pCi/L	09/02/25 11:26	09/23/25 03:44	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.53**		0.441	0.462	1.00	0.421	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.81**		0.679	0.764	1.00	0.568	pCi/L	08/29/25 10:55	09/24/25 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*
Y Carrier	*78.9*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*

Client Sample ID: AP MW-5D

Date Collected: 08/25/25 11:55
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-8

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		2.50	1.25	mg/L			08/29/25 19:34	5
Fluoride	3.07		2.50	0.500	mg/L			08/29/25 19:34	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3250		25.0	10.0	mg/L			08/29/25 19:42	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.42		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 18:20	1
Calcium	635		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 18:25	50
Magnesium	169		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 18:20	1
Potassium	68.8		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 18:20	1
Sodium	1230		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 18:25	50
Lithium	0.951		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 18:20	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	26.8		0.200	0.0352	mg/L		09/11/25 09:25	09/11/25 16:05	1
Antimony	0.00907	J	0.0200	0.00803	mg/L		09/11/25 09:25	09/11/25 16:05	1
Arsenic	0.0272		0.0100	0.00650	mg/L		09/11/25 09:25	09/11/25 16:05	1
Barium	0.0118		0.0100	0.00125	mg/L		09/11/25 09:25	09/11/25 16:05	1
Beryllium	0.131		0.00400	0.00107	mg/L		09/11/25 09:25	09/11/25 16:05	1
Boron	1.27		0.0500	0.0162	mg/L		09/11/25 09:25	09/11/25 16:05	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		09/11/25 09:25	09/11/25 16:05	1
Calcium	545		10.0	5.08	mg/L		09/11/25 09:25	09/11/25 16:08	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/11/25 09:25	09/11/25 16:05	1
Cobalt	0.0661		0.0100	0.00123	mg/L		09/11/25 09:25	09/11/25 16:05	1
Iron	7.36		0.200	0.0283	mg/L		09/11/25 09:25	09/11/25 16:05	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/11/25 09:25	09/11/25 16:05	1
Magnesium	150		0.200	0.0445	mg/L		09/11/25 09:25	09/11/25 16:05	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/11/25 09:25	09/11/25 16:05	1
Potassium	61.2		0.500	0.106	mg/L		09/11/25 09:25	09/11/25 16:05	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/11/25 09:25	09/11/25 16:05	1
Sodium	1070		25.0	7.59	mg/L		09/11/25 09:25	09/11/25 16:08	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/11/25 09:25	09/11/25 16:05	1
Li	0.904		0.0400	0.0174	mg/L		09/11/25 09:25	09/11/25 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	27.0		0.100	0.0275	mg/L		09/04/25 10:09	09/05/25 06:14	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 10:09	09/05/25 17:32	5
Arsenic	0.0119		0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 06:11	1
Barium	0.0151	J	0.0200	0.00671	mg/L		09/04/25 10:09	09/05/25 17:32	5
Beryllium	0.135		0.0100	0.00136	mg/L		09/04/25 10:09	09/05/25 06:14	5
Cadmium	0.00238		0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 06:11	1
Chromium	0.000666	J	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 06:11	1
Cobalt	0.0602		0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 06:11	1
Iron	6.25		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 06:11	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 10:09	09/05/25 17:32	5

Client Sample ID: AP MW-5D

Date Collected: 08/25/25 11:55
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 06:11	1
Selenium	<0.00295	U	0.0100	0.00295	mg/L		09/04/25 10:09	09/05/25 06:14	5
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 10:09	09/05/25 17:32	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:40	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/08/25 13:35	09/08/25 21:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/03/25 16:39	1
Total Dissolved Solids (SM 2540C)	**6480**		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**3.6**	**HF**			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	**23.4**	**HF**			Celsius			09/05/25 13:46	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**33.0**		15.4	15.8	50.0	18.7	pCi/L	09/02/25 11:26	09/23/25 07:07	1
Radium-228	5.65	U	27.2	27.2	50.0	47.6	pCi/L	09/02/25 11:26	09/23/25 07:07	1
Combined Radium 226 + 228	38.6	U	31.3	31.5		47.6	pCi/L	09/02/25 11:26	09/23/25 07:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.06**		0.476	0.511	1.00	0.366	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.9*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**5.57**		0.806	0.955	1.00	0.613	pCi/L	08/29/25 10:55	09/24/25 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.9*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:58*	*1*

Client Sample ID: FB-1

Date Collected: 08/25/25 10:30
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-9

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			08/29/25 19:50	1
Fluoride	<0.100	U	0.500	0.100	mg/L			08/29/25 19:50	1
Sulfate	<0.200	U	0.500	0.200	mg/L			08/29/25 19:50	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		08/29/25 10:00	08/29/25 18:54	1
Calcium	<0.102	U	0.200	0.102	mg/L		08/29/25 10:00	08/29/25 18:54	1
Magnesium	**0.0600**	**J**	0.200	0.0445	mg/L		08/29/25 10:00	08/29/25 18:54	1
Potassium	**0.114**	**J**	0.500	0.106	mg/L		08/29/25 10:00	08/29/25 18:54	1
Sodium	**1.29**		0.500	0.152	mg/L		08/29/25 10:00	08/29/25 18:54	1
Lithium	**0.0335**	**J B**	0.0400	0.0174	mg/L		08/29/25 10:00	08/29/25 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 17:35	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 10:09	09/05/25 17:35	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 17:35	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/04/25 10:09	09/05/25 17:35	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 17:35	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 17:35	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 17:35	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 17:35	1
Iron	**0.00534**	**J**	0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 17:35	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/04/25 10:09	09/05/25 17:35	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 17:35	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 17:35	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 10:09	09/05/25 17:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/03/25 16:42	1
Total Dissolved Solids (SM 2540C)	**5.50**		2.50	2.50	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**5.3**	**HF**			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	**23.0**	**HF**			Celsius			09/05/25 13:46	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**30.1**		20.8	21.0	50.0	23.3	pCi/L	09/02/25 11:26	09/23/25 07:06	1
Radium-228	-3.30	U G	29.4	29.4	50.0	52.0	pCi/L	09/02/25 11:26	09/23/25 07:06	1
Combined Radium 226 + 228	26.8	U	36.0	36.1		52.0	pCi/L	09/02/25 11:26	09/23/25 07:06	1

Client Sample ID: FB-1

Lab Sample ID: 870-39387-9

Date Collected: 08/25/25 10:30

Matrix: Water

Date Received: 08/27/25 09:59

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.279	U	0.234	0.235	1.00	0.352	pCi/L	08/29/25 10:46	09/24/25 18:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.616**		0.352	0.356	1.00	0.501	pCi/L	08/29/25 10:55	09/24/25 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:47*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:47*	*1*

Client Sample ID: AP MW-7S

Lab Sample ID: 870-39387-10

Date Collected: 08/25/25 15:20

Matrix: Water

Date Received: 08/27/25 09:59

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**350**		2.50	1.25	mg/L			08/29/25 19:58	5
Fluoride	**1.01**	**J**	2.50	0.500	mg/L			08/29/25 19:58	5

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**3300**		25.0	10.0	mg/L			08/29/25 20:06	50

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.30**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 18:22	1
Calcium	**498**		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 18:26	50
Magnesium	**146**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 18:22	1
Potassium	**54.3**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 18:22	1
Sodium	**700**		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 18:26	50
Lithium	**0.924**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 18:22	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3.66**		0.200	0.0352	mg/L		09/11/25 09:25	09/11/25 16:07	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		09/11/25 09:25	09/11/25 16:07	1
Arsenic	**0.0266**		0.0100	0.00650	mg/L		09/11/25 09:25	09/11/25 16:07	1
Barium	**0.0235**		0.0100	0.00125	mg/L		09/11/25 09:25	09/11/25 16:07	1
Beryllium	**0.0707**		0.00400	0.00107	mg/L		09/11/25 09:25	09/11/25 16:07	1
Boron	**1.16**		0.0500	0.0162	mg/L		09/11/25 09:25	09/11/25 16:07	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		09/11/25 09:25	09/11/25 16:07	1
Calcium	**496**		10.0	5.08	mg/L		09/11/25 09:25	09/11/25 16:10	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/11/25 09:25	09/11/25 16:07	1
Cobalt	**0.0340**		0.0100	0.00123	mg/L		09/11/25 09:25	09/11/25 16:07	1

Client Sample ID: AP MW-7S

Date Collected: 08/25/25 15:20
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-10

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**8.76**		0.200	0.0283	mg/L		09/11/25 09:25	09/11/25 16:07	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/11/25 09:25	09/11/25 16:07	1
Magnesium	**132**		0.200	0.0445	mg/L		09/11/25 09:25	09/11/25 16:07	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/11/25 09:25	09/11/25 16:07	1
Potassium	**49.9**		0.500	0.106	mg/L		09/11/25 09:25	09/11/25 16:07	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/11/25 09:25	09/11/25 16:07	1
Sodium	**725**		25.0	7.59	mg/L		09/11/25 09:25	09/11/25 16:10	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/11/25 09:25	09/11/25 16:07	1
Li	**0.916**		0.0400	0.0174	mg/L		09/11/25 09:25	09/11/25 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4.66**		0.100	0.0275	mg/L		09/04/25 12:53	09/05/25 21:27	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 12:53	09/05/25 21:27	5
Arsenic	**0.0137**	**J**	0.0200	0.00345	mg/L		09/04/25 12:53	09/05/25 21:27	5
Barium	**0.0285**		0.0200	0.00671	mg/L		09/04/25 12:53	09/05/25 21:27	5
Beryllium	**0.0812**		0.0100	0.00136	mg/L		09/04/25 12:53	09/05/25 21:27	5
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		09/04/25 12:53	09/05/25 21:27	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		09/04/25 12:53	09/05/25 21:27	5
Cobalt	**0.0534**		0.0100	0.00178	mg/L		09/04/25 12:53	09/05/25 21:27	5
Iron	**11.4**		0.100	0.0223	mg/L		09/04/25 12:53	09/05/25 21:27	5
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 12:53	09/05/25 21:27	5
Molybdenum	<0.00128	U	0.0100	0.00128	mg/L		09/04/25 12:53	09/05/25 21:27	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		09/04/25 12:53	09/05/25 21:27	5
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 12:53	09/05/25 21:27	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:46	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/08/25 13:35	09/08/25 21:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/03/25 16:46	1
Total Dissolved Solids (SM 2540C)	**4710**		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**4.1**	**HF**			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	**23.9**	**HF**			Celsius			09/05/25 13:46	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	32.1	U G	23.4	23.7	50.0	52.4	pCi/L	09/02/25 11:26	09/23/25 08:55	1
Radium-228	-20.4	U G	27.7	27.8	50.0	59.2	pCi/L	09/02/25 11:26	09/23/25 08:55	1
Combined Radium 226 + 228	11.8	U	36.3	36.5		59.2	pCi/L	09/02/25 11:26	09/23/25 08:55	1

Client Sample ID: AP MW-7S

Lab Sample ID: 870-39387-10

Date Collected: 08/25/25 15:20

Matrix: Water

Date Received: 08/27/25 09:59

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.50**		0.382	0.405	1.00	0.295	pCi/L	08/29/25 10:46	09/24/25 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*08/29/25 10:46*	*09/24/25 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.20**		0.620	0.687	1.00	0.574	pCi/L	08/29/25 10:55	09/24/25 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:47*	*1*
Y Carrier	*79.3*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:47*	*1*

Client Sample ID: AP MW-7D

Lab Sample ID: 870-39387-11

Date Collected: 08/25/25 18:05

Matrix: Water

Date Received: 08/27/25 09:59

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**957**		2.50	1.25	mg/L			08/29/25 20:16	5
Fluoride	<0.500	U	2.50	0.500	mg/L			08/29/25 20:16	5
Sulfate	**1180**		2.50	1.00	mg/L			08/29/25 20:16	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.901**		0.0500	0.0162	mg/L		08/29/25 10:00	08/29/25 18:56	1
Calcium	**341**		10.0	5.08	mg/L		08/29/25 10:00	08/29/25 19:04	50
Magnesium	**51.2**		0.200	0.0445	mg/L		08/29/25 10:00	08/29/25 18:56	1
Potassium	**44.7**		0.500	0.106	mg/L		08/29/25 10:00	08/29/25 18:56	1
Sodium	**675**		25.0	7.59	mg/L		08/29/25 10:00	08/29/25 19:04	50
Lithium	**0.399**	**B**	0.0400	0.0174	mg/L		08/29/25 10:00	08/29/25 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0275	U	0.100	0.0275	mg/L		09/04/25 12:53	09/05/25 21:30	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 12:53	09/05/25 21:30	5
Arsenic	**0.0224**		0.0200	0.00345	mg/L		09/04/25 12:53	09/05/25 21:30	5
Barium	**0.0607**		0.0200	0.00671	mg/L		09/04/25 12:53	09/05/25 21:30	5
Beryllium	<0.00136	U	0.0100	0.00136	mg/L		09/04/25 12:53	09/05/25 21:30	5
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		09/04/25 12:53	09/05/25 21:30	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		09/04/25 12:53	09/05/25 21:30	5
Cobalt	**0.00584**	**J**	0.0100	0.00178	mg/L		09/04/25 12:53	09/05/25 21:30	5
Iron	**1.06**		0.100	0.0223	mg/L		09/04/25 12:53	09/05/25 21:30	5
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 12:53	09/05/25 21:30	5
Molybdenum	**0.0159**		0.0100	0.00128	mg/L		09/04/25 12:53	09/05/25 21:30	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		09/04/25 12:53	09/05/25 21:30	5
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 12:53	09/05/25 21:30	5

Client Sample ID: AP MW-7D

Date Collected: 08/25/25 18:05
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-11

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**253**		4.00	4.00	mg/L			09/03/25 16:48	1
Total Dissolved Solids (SM 2540C)	**3870**		20.0	20.0	mg/L			08/27/25 18:17	1
pH (SM 4500 H+ B)	**7.0**	**HF**			SU			09/05/25 13:46	1
Temperature (SM 4500 H+ B)	**23.2**	**HF**			Celsius			09/05/25 13:46	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**46.8**		21.2	21.7	50.0	25.9	pCi/L	09/02/25 11:26	09/23/25 08:56	1
Radium-228	-3.31	U G	33.4	33.4	50.0	57.9	pCi/L	09/02/25 11:26	09/23/25 08:56	1
Combined Radium 226 + 228	43.5	U	39.6	39.8		57.9	pCi/L	09/02/25 11:26	09/23/25 08:56	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.740**		0.291	0.298	1.00	0.313	pCi/L	08/29/25 10:46	09/24/25 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*08/29/25 10:46*	*09/24/25 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.24**		0.417	0.432	1.00	0.493	pCi/L	08/29/25 10:55	09/24/25 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:47*	*1*
Y Carrier	*81.9*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:47*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: GCSES

Job ID: 870-39387-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-39387-1	SSP MW-6D	89.7
870-39387-2	SSP MW-6S	93.2
870-39387-3	SSP MW-5S	84.1
870-39387-4	FD-1	73.1
870-39387-5	SSP MW-4S	93.9
870-39387-6	AP PZ-4	87.0
870-39387-7	AP PZ-4S	85.8
870-39387-8	AP MW-5D	81.9
870-39387-9	FB-1	89.2
870-39387-10	AP MW-7S	91.9
870-39387-11	AP MW-7D	93.2
LCS 160-734204/2-A	Lab Control Sample	90.5
MB 160-734204/1-A	Method Blank	87.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-39387-1	SSP MW-6D	89.7	82.2
870-39387-2	SSP MW-6S	93.2	83.0
870-39387-3	SSP MW-5S	84.1	83.0
870-39387-4	FD-1	73.1	75.9
870-39387-5	SSP MW-4S	93.9	81.9
870-39387-6	AP PZ-4	87.0	82.6
870-39387-7	AP PZ-4S	85.8	78.9
870-39387-8	AP MW-5D	81.9	82.2
870-39387-9	FB-1	89.2	81.5
870-39387-10	AP MW-7S	91.9	79.3
870-39387-11	AP MW-7D	93.2	81.9
LCS 160-734205/2-A	Lab Control Sample	90.5	81.5
MB 160-734205/1-A	Method Blank	87.3	83.0

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-258668/3
Matrix: Water
Analysis Batch: 258668

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			08/29/25 12:10	1
Fluoride	<0.100	U	0.500	0.100	mg/L			08/29/25 12:10	1
Sulfate	<0.200	U	0.500	0.200	mg/L			08/29/25 12:10	1

Lab Sample ID: LCS 860-258668/4
Matrix: Water
Analysis Batch: 258668

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.175		mg/L		92	90 - 110
Fluoride	10.0	10.08		mg/L		101	90 - 110
Sulfate	10.0	9.578		mg/L		96	90 - 110

Lab Sample ID: LCSD 860-258668/5
Matrix: Water
Analysis Batch: 258668

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
Chloride	10.0	9.028		mg/L		90	90 - 110	2	20
Fluoride	10.0	9.905		mg/L		99	90 - 110	2	20
Sulfate	10.0	9.464		mg/L		95	90 - 110	1	20

Lab Sample ID: LLCS 860-258668/7
Matrix: Water
Analysis Batch: 258668

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.3591	J	mg/L		72	50 - 150
Fluoride	0.500	0.2872	J	mg/L		57	50 - 150
Sulfate	0.500	0.3251	J	mg/L		65	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-258507/1-A
Matrix: Water
Analysis Batch: 258837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 258507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		08/28/25 13:28	08/29/25 14:14	1
Calcium	<0.102	U	0.200	0.102	mg/L		08/28/25 13:28	08/29/25 14:14	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		08/28/25 13:28	08/29/25 14:14	1
Potassium	<0.106	U	0.500	0.106	mg/L		08/28/25 13:28	08/29/25 14:14	1
Sodium	<0.152	U	0.500	0.152	mg/L		08/28/25 13:28	08/29/25 14:14	1
Lithium	0.02280	J	0.0400	0.0174	mg/L		08/28/25 13:28	08/29/25 14:14	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-258507/2-A
Matrix: Water
Analysis Batch: 258837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258507

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	0.9940		mg/L		99	80 - 120		
Calcium			25.0	24.50		mg/L		98	80 - 120		
Magnesium			25.0	24.30		mg/L		97	80 - 120		
Potassium			10.0	10.20		mg/L		102	80 - 120		
Sodium			25.0	25.60		mg/L		102	80 - 120		
Lithium			1.00	0.9430		mg/L		94	80 - 120		

Lab Sample ID: LCSD 860-258507/3-A
Matrix: Water
Analysis Batch: 258837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 258507

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	0.9900		mg/L		99	80 - 120	0	20
Calcium			25.0	24.50		mg/L		98	80 - 120	0	20
Magnesium			25.0	24.20		mg/L		97	80 - 120	0	20
Potassium			10.0	10.20		mg/L		102	80 - 120	0	20
Sodium			25.0	25.50		mg/L		102	80 - 120	0	20
Lithium			1.00	0.9430		mg/L		94	80 - 120	0	20

Lab Sample ID: 870-39387-3 MS
Matrix: Water
Analysis Batch: 258837

Client Sample ID: SSP MW-5S
Prep Type: Total/NA
Prep Batch: 258507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	0.198		1.00	1.220		mg/L		102	75 - 125		
Calcium	397		25.0	405.0	4	mg/L		32	75 - 125		
Magnesium	86.6	F1	25.0	108.0		mg/L		86	75 - 125		
Potassium	30.3		10.0	41.20		mg/L		109	75 - 125		
Sodium	1010		25.0	1000	4	mg/L		-40	75 - 125		
Lithium	0.230	B F1	1.00	1.280		mg/L		105	75 - 125		

Lab Sample ID: 870-39387-3 MSD
Matrix: Water
Analysis Batch: 258837

Client Sample ID: SSP MW-5S
Prep Type: Total/NA
Prep Batch: 258507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.809	U	1.00	1.230		mg/L		123	75 - 125	1	20
Calcium	468		25.0	414.0	4	mg/L		-216	75 - 125	2	20
Magnesium	96.5	F1	25.0	110.0	F1	mg/L		54	75 - 125	2	20
Potassium	31.1		10.0	42.00		mg/L		109	75 - 125	2	20
Sodium	1160		25.0	1030	4	mg/L		-520	75 - 125	3	20
Lithium	1.47	J F1 B	1.00	1.280	F1	mg/L		-19	75 - 125	0	20

Lab Sample ID: MB 860-258726/1-A
Matrix: Water
Analysis Batch: 258837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 258726

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		08/29/25 10:00	08/29/25 18:35	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-258726/1-A
Matrix: Water
Analysis Batch: 258837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 258726

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.102	U	0.200	0.102	mg/L		08/29/25 10:00	08/29/25 18:35	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		08/29/25 10:00	08/29/25 18:35	1
Potassium	<0.106	U	0.500	0.106	mg/L		08/29/25 10:00	08/29/25 18:35	1
Sodium	<0.152	U	0.500	0.152	mg/L		08/29/25 10:00	08/29/25 18:35	1
Lithium	0.02340	J	0.0400	0.0174	mg/L		08/29/25 10:00	08/29/25 18:35	1

Lab Sample ID: LCS 860-258726/2-A
Matrix: Water
Analysis Batch: 258837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258726

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.9670		mg/L		97	80 - 120
Calcium	25.0	23.80		mg/L		95	80 - 120
Magnesium	25.0	23.70		mg/L		95	80 - 120
Potassium	10.0	10.00		mg/L		100	80 - 120
Sodium	25.0	25.30		mg/L		101	80 - 120
Lithium	1.00	0.9370		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-258726/3-A
Matrix: Water
Analysis Batch: 258837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 258726

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	0.9730		mg/L		97	80 - 120	1	20
Calcium	25.0	23.80		mg/L		95	80 - 120	0	20
Magnesium	25.0	23.70		mg/L		95	80 - 120	0	20
Potassium	10.0	10.00		mg/L		100	80 - 120	0	20
Sodium	25.0	25.30		mg/L		101	80 - 120	0	20
Lithium	1.00	0.9340		mg/L		93	80 - 120	0	20

Lab Sample ID: MB 860-259967/8-B
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/05/25 09:21	09/05/25 15:21	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/05/25 09:21	09/05/25 15:21	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/05/25 09:21	09/05/25 15:21	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/05/25 09:21	09/05/25 15:21	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/05/25 09:21	09/05/25 15:21	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/05/25 09:21	09/05/25 15:21	1

Lab Sample ID: LCS 860-259967/9-B
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.020		mg/L		102	80 - 120
Calcium	25.0	25.40		mg/L		102	80 - 120
Magnesium	25.0	24.70		mg/L		99	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-259967/9-B
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	10.0	10.20		mg/L		102	80 - 120
Sodium	25.0	25.10		mg/L		100	80 - 120
Lithium	1.00	0.9350		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-259967/10-B
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260043

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.020		mg/L		102	80 - 120	0	20
Calcium	25.0	25.40		mg/L		102	80 - 120	0	20
Magnesium	25.0	24.70		mg/L		99	80 - 120	0	20
Potassium	10.0	10.20		mg/L		102	80 - 120	0	20
Sodium	25.0	25.10		mg/L		100	80 - 120	0	20
Lithium	1.00	0.9350		mg/L		94	80 - 120	0	20

Lab Sample ID: MB 860-260076/1-A
Matrix: Water
Analysis Batch: 260482

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/05/25 10:18	09/05/25 17:31	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/05/25 10:18	09/05/25 17:31	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/05/25 10:18	09/05/25 17:31	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/05/25 10:18	09/05/25 17:31	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/05/25 10:18	09/05/25 17:31	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/05/25 10:18	09/05/25 17:31	1

Lab Sample ID: LCS 860-260076/2-A
Matrix: Water
Analysis Batch: 260482

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.20		mg/L		101	80 - 120
Magnesium	25.0	24.70		mg/L		99	80 - 120
Potassium	10.0	10.30		mg/L		103	80 - 120
Sodium	25.0	25.30		mg/L		101	80 - 120
Lithium	1.00	0.9430		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-260076/3-A
Matrix: Water
Analysis Batch: 260482

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260076

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.020		mg/L		102	80 - 120	1	20
Calcium	25.0	25.30		mg/L		101	80 - 120	0	20
Magnesium	25.0	24.70		mg/L		99	80 - 120	0	20
Potassium	10.0	10.30		mg/L		103	80 - 120	0	20
Sodium	25.0	25.20		mg/L		101	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-260076/3-A
Matrix: Water
Analysis Batch: 260482

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260076

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	1.00	0.9400		mg/L		94	80 - 120	0	20

Lab Sample ID: MB 860-260081/1-A
Matrix: Water
Analysis Batch: 260233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 16:58	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/05/25 10:25	09/05/25 16:58	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 16:58	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/05/25 10:25	09/05/25 16:58	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/05/25 10:25	09/05/25 16:58	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 16:58	1

Lab Sample ID: LCS 860-260081/2-A
Matrix: Water
Analysis Batch: 260233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.040		mg/L		104	80 - 120
Calcium	25.0	25.70		mg/L		103	80 - 120
Magnesium	25.0	25.50		mg/L		102	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Sodium	25.0	25.10		mg/L		100	80 - 120
Lithium	1.00	1.030		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-260081/3-A
Matrix: Water
Analysis Batch: 260233

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.040		mg/L		104	80 - 120	0	20
Calcium	25.0	25.60		mg/L		102	80 - 120	0	20
Magnesium	25.0	25.40		mg/L		102	80 - 120	0	20
Potassium	10.0	10.00		mg/L		100	80 - 120	1	20
Sodium	25.0	24.90		mg/L		100	80 - 120	1	20
Lithium	1.00	1.020		mg/L		102	80 - 120	1	20

Lab Sample ID: MB 860-261273/1-A
Matrix: Water
Analysis Batch: 261470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 261273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		09/11/25 09:25	09/11/25 15:15	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		09/11/25 09:25	09/11/25 15:15	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/11/25 09:25	09/11/25 15:15	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		09/11/25 09:25	09/11/25 15:15	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/11/25 09:25	09/11/25 15:15	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/11/25 09:25	09/11/25 15:15	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		09/11/25 09:25	09/11/25 15:15	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-261273/1-A
Matrix: Water
Analysis Batch: 261470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 261273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.102	U	0.200	0.102	mg/L		09/11/25 09:25	09/11/25 15:15	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/11/25 09:25	09/11/25 15:15	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		09/11/25 09:25	09/11/25 15:15	1
Iron	<0.0283	U	0.200	0.0283	mg/L		09/11/25 09:25	09/11/25 15:15	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/11/25 09:25	09/11/25 15:15	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/11/25 09:25	09/11/25 15:15	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/11/25 09:25	09/11/25 15:15	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/11/25 09:25	09/11/25 15:15	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/11/25 09:25	09/11/25 15:15	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/11/25 09:25	09/11/25 15:15	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/11/25 09:25	09/11/25 15:15	1
Li	<0.0174	U	0.0400	0.0174	mg/L		09/11/25 09:25	09/11/25 15:15	1

Lab Sample ID: LCS 860-261273/2-A
Matrix: Water
Analysis Batch: 261470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 261273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.720		mg/L		94	80 - 120
Antimony	1.00	0.9460		mg/L		95	80 - 120
Arsenic	1.00	0.9550		mg/L		96	80 - 120
Barium	1.00	0.9700		mg/L		97	80 - 120
Beryllium	1.00	0.9690		mg/L		97	80 - 120
Boron	1.00	0.9670		mg/L		97	80 - 120
Cadmium	1.00	0.9430		mg/L		94	80 - 120
Calcium	25.0	24.00		mg/L		96	80 - 120
Chromium	1.00	0.9720		mg/L		97	80 - 120
Cobalt	1.00	0.9270		mg/L		93	80 - 120
Iron	5.00	5.120		mg/L		102	80 - 120
Lead	1.00	0.9850		mg/L		99	80 - 120
Magnesium	25.0	23.80		mg/L		95	80 - 120
Molybdenum	1.00	0.9230		mg/L		92	80 - 120
Potassium	10.0	9.390		mg/L		94	80 - 120
Selenium	1.00	1.020		mg/L		102	80 - 120
Sodium	25.0	23.80		mg/L		95	80 - 120
Thallium	1.00	1.000		mg/L		100	80 - 120
Li	1.00	0.9860		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-261273/3-A
Matrix: Water
Analysis Batch: 261470

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 261273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.710		mg/L		94	80 - 120	0	20
Antimony	1.00	0.9990		mg/L		100	80 - 120	5	20
Arsenic	1.00	0.9500		mg/L		95	80 - 120	1	20
Barium	1.00	0.9650		mg/L		97	80 - 120	1	20
Beryllium	1.00	0.9670		mg/L		97	80 - 120	0	20
Boron	1.00	0.9590		mg/L		96	80 - 120	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-261273/3-A
Matrix: Water
Analysis Batch: 261470

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 261273

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cadmium			1.00	0.9400		mg/L		94	80 - 120	0	20
Calcium			25.0	23.90		mg/L		96	80 - 120	0	20
Chromium			1.00	0.9680		mg/L		97	80 - 120	0	20
Cobalt			1.00	0.9240		mg/L		92	80 - 120	0	20
Iron			5.00	5.100		mg/L		102	80 - 120	0	20
Lead			1.00	0.9810		mg/L		98	80 - 120	0	20
Magnesium			25.0	23.70		mg/L		95	80 - 120	0	20
Molybdenum			1.00	0.9250		mg/L		93	80 - 120	0	20
Potassium			10.0	9.370		mg/L		94	80 - 120	0	20
Selenium			1.00	1.020		mg/L		102	80 - 120	0	20
Sodium			25.0	23.70		mg/L		95	80 - 120	0	20
Thallium			1.00	1.000		mg/L		100	80 - 120	0	20
Li			1.00	0.9800		mg/L		98	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-259747/1-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259747

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 04:32	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 10:09	09/05/25 04:32	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 04:32	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/04/25 10:09	09/05/25 04:32	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 04:32	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 04:32	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 04:32	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 04:32	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 04:32	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/04/25 10:09	09/05/25 04:32	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 04:32	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 04:32	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 10:09	09/05/25 04:32	1

Lab Sample ID: LCS 860-259747/2-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259747

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum			0.500	0.5166		mg/L		103	80 - 120		
Antimony			0.100	0.09996		mg/L		100	80 - 120		
Arsenic			0.100	0.1022		mg/L		102	80 - 120		
Barium			0.100	0.1016		mg/L		102	80 - 120		
Beryllium			0.100	0.09977		mg/L		100	80 - 120		
Cadmium			0.100	0.1027		mg/L		103	80 - 120		
Chromium			0.100	0.1020		mg/L		102	80 - 120		
Cobalt			0.100	0.1014		mg/L		101	80 - 120		
Iron			0.500	0.5093		mg/L		102	80 - 120		

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

Lab Sample ID: LCS 860-259747/2-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.100	0.1011		mg/L		101	80 - 120
Molybdenum	0.100	0.09921		mg/L		99	80 - 120
Selenium	0.100	0.1005		mg/L		100	80 - 120
Thallium	0.100	0.1033		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-259747/3-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259747

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5189		mg/L		104	80 - 120	0	20
Antimony	0.100	0.1028		mg/L		103	80 - 120	3	20
Arsenic	0.100	0.1003		mg/L		100	80 - 120	2	20
Barium	0.100	0.1017		mg/L		102	80 - 120	0	20
Beryllium	0.100	0.09954		mg/L		100	80 - 120	0	20
Cadmium	0.100	0.1012		mg/L		101	80 - 120	2	20
Chromium	0.100	0.1006		mg/L		101	80 - 120	1	20
Cobalt	0.100	0.09936		mg/L		99	80 - 120	2	20
Iron	0.500	0.5020		mg/L		100	80 - 120	1	20
Lead	0.100	0.1019		mg/L		102	80 - 120	1	20
Molybdenum	0.100	0.09806		mg/L		98	80 - 120	1	20
Selenium	0.100	0.1013		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1039		mg/L		104	80 - 120	1	20

Lab Sample ID: MB 860-259844/1-A
Matrix: Water
Analysis Batch: 260518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/04/25 12:52	09/05/25 20:57	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 12:52	09/05/25 20:57	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/04/25 12:52	09/05/25 20:57	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/04/25 12:52	09/05/25 20:57	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 12:52	09/05/25 20:57	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 12:52	09/05/25 20:57	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 12:52	09/05/25 20:57	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/04/25 12:52	09/05/25 20:57	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/04/25 12:52	09/05/25 20:57	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/04/25 12:52	09/05/25 20:57	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 12:52	09/05/25 20:57	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 12:52	09/05/25 20:57	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 12:52	09/05/25 20:57	1

Lab Sample ID: LCS 860-259844/2-A
Matrix: Water
Analysis Batch: 260518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5138		mg/L		103	80 - 120

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

Lab Sample ID: LCS 860-259844/2-A
Matrix: Water
Analysis Batch: 260518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.100	0.1007		mg/L		101	80 - 120
Arsenic	0.100	0.1008		mg/L		101	80 - 120
Barium	0.100	0.1012		mg/L		101	80 - 120
Beryllium	0.100	0.09838		mg/L		98	80 - 120
Cadmium	0.100	0.1009		mg/L		101	80 - 120
Chromium	0.100	0.1006		mg/L		101	80 - 120
Cobalt	0.100	0.09983		mg/L		100	80 - 120
Iron	0.500	0.5043		mg/L		101	80 - 120
Lead	0.100	0.1012		mg/L		101	80 - 120
Molybdenum	0.100	0.09689		mg/L		97	80 - 120
Selenium	0.100	0.09987		mg/L		100	80 - 120
Thallium	0.100	0.1031		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-259844/3-A
Matrix: Water
Analysis Batch: 260518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4956		mg/L		99	80 - 120	4	20
Antimony	0.100	0.1021		mg/L		102	80 - 120	1	20
Arsenic	0.100	0.1003		mg/L		100	80 - 120	1	20
Barium	0.100	0.1008		mg/L		101	80 - 120	0	20
Beryllium	0.100	0.09836		mg/L		98	80 - 120	0	20
Cadmium	0.100	0.09968		mg/L		100	80 - 120	1	20
Chromium	0.100	0.09912		mg/L		99	80 - 120	1	20
Cobalt	0.100	0.09904		mg/L		99	80 - 120	1	20
Iron	0.500	0.4996		mg/L		100	80 - 120	1	20
Lead	0.100	0.1011		mg/L		101	80 - 120	0	20
Molybdenum	0.100	0.09697		mg/L		97	80 - 120	0	20
Selenium	0.100	0.09933		mg/L		99	80 - 120	1	20
Thallium	0.100	0.1036		mg/L		104	80 - 120	0	20

Lab Sample ID: 870-39387-6 MS
Matrix: Water
Analysis Batch: 260518

Client Sample ID: AP PZ-4
Prep Type: Total/NA
Prep Batch: 259844

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<0.0275	U	0.500	0.5086		mg/L		102	75 - 125
Antimony	0.00772	J	0.100	0.09975		mg/L		92	75 - 125
Arsenic	<0.00345	U	0.100	0.09824		mg/L		98	75 - 125
Barium	0.252	F1	0.100	0.3260	F1	mg/L		74	75 - 125
Beryllium	<0.00136	U	0.100	0.09064		mg/L		91	75 - 125
Cadmium	<0.00120	U	0.100	0.09377		mg/L		94	75 - 125
Chromium	<0.00280	U	0.100	0.09717		mg/L		97	75 - 125
Cobalt	<0.00178	U	0.100	0.09407		mg/L		94	75 - 125
Iron	<0.0223	U	0.500	0.4842		mg/L		97	75 - 125
Lead	<0.00184	U	0.100	0.09579		mg/L		96	75 - 125
Molybdenum	0.00284	J	0.100	0.09551		mg/L		93	75 - 125
Selenium	<0.00295	U	0.100	0.09353		mg/L		94	75 - 125

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

Lab Sample ID: 870-39387-6 MS
Matrix: Water
Analysis Batch: 260518

Client Sample ID: AP PZ-4
Prep Type: Total/NA
Prep Batch: 259844

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	<0.00208	U	0.100	0.09690		mg/L		97	75 - 125

Lab Sample ID: 870-39387-6 MSD
Matrix: Water
Analysis Batch: 260518

Client Sample ID: AP PZ-4
Prep Type: Total/NA
Prep Batch: 259844

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<0.0275	U	0.500	0.5051		mg/L		101	75 - 125	1	20
Antimony	0.00772	J	0.100	0.1055		mg/L		98	75 - 125	6	20
Arsenic	<0.00345	U	0.100	0.1024		mg/L		102	75 - 125	4	20
Barium	0.252	F1	0.100	0.3272		mg/L		76	75 - 125	0	20
Beryllium	<0.00136	U	0.100	0.09427		mg/L		94	75 - 125	4	20
Cadmium	<0.00120	U	0.100	0.09816		mg/L		98	75 - 125	5	20
Chromium	<0.00280	U	0.100	0.09953		mg/L		100	75 - 125	2	20
Cobalt	<0.00178	U	0.100	0.09824		mg/L		98	75 - 125	4	20
Iron	<0.0223	U	0.500	0.5069		mg/L		101	75 - 125	5	20
Lead	<0.00184	U	0.100	0.09909		mg/L		99	75 - 125	3	20
Molybdenum	0.00284	J	0.100	0.09985		mg/L		97	75 - 125	4	20
Selenium	<0.00295	U	0.100	0.09801		mg/L		98	75 - 125	5	20
Thallium	<0.00208	U	0.100	0.1000		mg/L		100	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 860-259424/1-C
Matrix: Water
Analysis Batch: 260304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259999

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:58	09/05/25 13:32	1

Lab Sample ID: MB 860-259999/10-A
Matrix: Water
Analysis Batch: 260304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/05/25 06:57	09/05/25 13:21	1

Lab Sample ID: LCS 860-259999/11-A
Matrix: Water
Analysis Batch: 260304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.002042		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-259999/12-A
Matrix: Water
Analysis Batch: 260304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002026		mg/L		101	80 - 120	1	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 860-260534/1-A
Matrix: Water
Analysis Batch: 260653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/08/25 13:34	09/08/25 20:18	1

Lab Sample ID: LCS 860-260534/2-A
Matrix: Water
Analysis Batch: 260653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001970		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-260534/3-A
Matrix: Water
Analysis Batch: 260653

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001974		mg/L		99	80 - 120	0	20

Lab Sample ID: LB 860-260067/1-E
Matrix: Water
Analysis Batch: 260653

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 260534

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/08/25 13:35	09/08/25 20:28	1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-259644/3
Matrix: Water
Analysis Batch: 259644

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			09/03/25 14:54	1

Lab Sample ID: LCS 860-259644/4
Matrix: Water
Analysis Batch: 259644

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	255.6		mg/L		102	85 - 115

Lab Sample ID: LCSD 860-259644/5
Matrix: Water
Analysis Batch: 259644

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
Alkalinity	250	261.0		mg/L		104	85 - 115	2	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 870-39387-1 DU
Matrix: Water
Analysis Batch: 259644

Client Sample ID: SSP MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	272			262.0		mg/L				4	20

Lab Sample ID: 870-39387-2 DU
Matrix: Water
Analysis Batch: 259644

Client Sample ID: SSP MW-6S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	42.9			47.96		mg/L				11	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-31338/1
Matrix: Water
Analysis Batch: 31338

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			08/27/25 18:17	1

Lab Sample ID: LCS 870-31338/2
Matrix: Water
Analysis Batch: 31338

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	972.0		mg/L		97	80 - 120		

Lab Sample ID: LCSD 870-31338/3
Matrix: Water
Analysis Batch: 31338

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
Total Dissolved Solids			1000	937.0		mg/L		94	80 - 120	4	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-39387-11 DU
Matrix: Water
Analysis Batch: 31551

Client Sample ID: AP MW-7D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.0	HF		7.0		SU				0.1	20
Temperature	23.2	HF		23.1		Celsius				0.4	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-734454/1-A
Matrix: Water
Analysis Batch: 737244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734454

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	20.05	U	20.2	20.3	50.0	29.1	pCi/L	09/02/25 11:26	09/23/25 21:00	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: MB 160-734454/1-A
Matrix: Water
Analysis Batch: 737244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734454

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-13.61	U G	44.6	44.7	50.0	59.9	pCi/L	09/02/25 11:26	09/23/25 21:00	1
Combined Radium 226 + 228	6.433	U	49.0	49.1		59.9	pCi/L	09/02/25 11:26	09/23/25 21:00	1

Lab Sample ID: LCS 160-734454/2-A
Matrix: Water
Analysis Batch: 737325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734454

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	140100		14400		395	pCi/L	98	75 - 125
Cesium-137	37700	36610		3580		155	pCi/L	97	75 - 125
Cobalt-60	51400	49980		4870		103	pCi/L	97	75 - 125

Lab Sample ID: 870-39387-1 DU
Matrix: Water
Analysis Batch: 737245

Client Sample ID: SSP MW-6D
Prep Type: Total/NA
Prep Batch: 734454

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	82.7		45.13		19.4	50.0	22.7	pCi/L	0.78	1
Radium-228	15.4	U	0.7862	U G	29.5	50.0	50.8	pCi/L	0.23	1
Combined Radium 226 + 228	98.1		45.92	U	35.3		50.8	pCi/L	0.65	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-734204/1-A
Matrix: Water
Analysis Batch: 737464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734204

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.002168	U	0.198	0.198	1.00	0.392	pCi/L	08/29/25 10:46	09/24/25 18:18	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*08/29/25 10:46*	*09/24/25 18:18*	*1*

Lab Sample ID: LCS 160-734204/2-A
Matrix: Water
Analysis Batch: 737464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734204

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.57	10.15		1.32	1.00	0.342	pCi/L	106	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.5*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-734205/1-A
Matrix: Water
Analysis Batch: 737463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734205

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3066	U	0.347	0.348	1.00	0.568	pCi/L	08/29/25 10:55	09/24/25 11:56	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:56*	*1*
Y Carrier	*83.0*		*30 - 110*	*08/29/25 10:55*	*09/24/25 11:56*	*1*

Lab Sample ID: LCS 160-734205/2-A
Matrix: Water
Analysis Batch: 737463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734205

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.04	9.687		1.32	1.00	0.503	pCi/L	107	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.5*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

HPLC/IC

Analysis Batch: 258668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	9056A	
870-39387-2	SSP MW-6S	Total/NA	Water	9056A	
870-39387-2 - DL	SSP MW-6S	Total/NA	Water	9056A	
870-39387-3	SSP MW-5S	Total/NA	Water	9056A	
870-39387-4	FD-1	Total/NA	Water	9056A	
870-39387-5	SSP MW-4S	Total/NA	Water	9056A	
870-39387-5 - DL	SSP MW-4S	Total/NA	Water	9056A	
870-39387-6	AP PZ-4	Total/NA	Water	9056A	
870-39387-7	AP PZ-4S	Total/NA	Water	9056A	
870-39387-7 - DL	AP PZ-4S	Total/NA	Water	9056A	
870-39387-8	AP MW-5D	Total/NA	Water	9056A	
870-39387-8 - DL	AP MW-5D	Total/NA	Water	9056A	
870-39387-9	FB-1	Total/NA	Water	9056A	
870-39387-10	AP MW-7S	Total/NA	Water	9056A	
870-39387-10 - DL	AP MW-7S	Total/NA	Water	9056A	
870-39387-11	AP MW-7D	Total/NA	Water	9056A	
MB 860-258668/3	Method Blank	Total/NA	Water	9056A	
LCS 860-258668/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-258668/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-258668/7	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 258507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-3	SSP MW-5S	Total/NA	Water	3010A	
MB 860-258507/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-258507/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-258507/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-39387-3 MS	SSP MW-5S	Total/NA	Water	3010A	
870-39387-3 MSD	SSP MW-5S	Total/NA	Water	3010A	

Prep Batch: 258726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-2	SSP MW-6S	Total/NA	Water	3010A	
870-39387-9	FB-1	Total/NA	Water	3010A	
870-39387-11	AP MW-7D	Total/NA	Water	3010A	
MB 860-258726/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-258726/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-258726/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 258837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-2	SSP MW-6S	Total/NA	Water	6010D	258726
870-39387-2	SSP MW-6S	Total/NA	Water	6010D	258726
870-39387-3	SSP MW-5S	Total/NA	Water	6010D	258507
870-39387-3	SSP MW-5S	Total/NA	Water	6010D	258507
870-39387-3	SSP MW-5S	Total/NA	Water	6010D	258507
870-39387-9	FB-1	Total/NA	Water	6010D	258726
870-39387-11	AP MW-7D	Total/NA	Water	6010D	258726
870-39387-11	AP MW-7D	Total/NA	Water	6010D	258726

Metals (Continued)

Analysis Batch: 258837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-258507/1-A	Method Blank	Total/NA	Water	6010D	258507
MB 860-258726/1-A	Method Blank	Total/NA	Water	6010D	258726
LCS 860-258507/2-A	Lab Control Sample	Total/NA	Water	6010D	258507
LCS 860-258726/2-A	Lab Control Sample	Total/NA	Water	6010D	258726
LCSD 860-258507/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	258507
LCSD 860-258726/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	258726
870-39387-3 MS	SSP MW-5S	Total/NA	Water	6010D	258507
870-39387-3 MSD	SSP MW-5S	Total/NA	Water	6010D	258507

Leach Batch: 259424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-259424/1-C	Method Blank	Total/NA	Water	1311	

Prep Batch: 259747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	3010A	
870-39387-2	SSP MW-6S	Total/NA	Water	3010A	
870-39387-3	SSP MW-5S	Total/NA	Water	3010A	
870-39387-4	FD-1	Total/NA	Water	3010A	
870-39387-5	SSP MW-4S	Total/NA	Water	3010A	
870-39387-7	AP PZ-4S	Total/NA	Water	3010A	
870-39387-8	AP MW-5D	Total/NA	Water	3010A	
870-39387-9	FB-1	Total/NA	Water	3010A	
MB 860-259747/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-259747/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-259747/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 259844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-6	AP PZ-4	Total/NA	Water	3010A	
870-39387-10	AP MW-7S	Total/NA	Water	3010A	
870-39387-11	AP MW-7D	Total/NA	Water	3010A	
MB 860-259844/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-259844/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-259844/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-39387-6 MS	AP PZ-4	Total/NA	Water	3010A	
870-39387-6 MSD	AP PZ-4	Total/NA	Water	3010A	

Filtration Batch: 259967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-259967/8-B	Method Blank	Total/NA	Water	Filtration	
LCS 860-259967/9-B	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-259967/10-B	Lab Control Sample Dup	Total/NA	Water	Filtration	

Prep Batch: 259999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	7470A	
870-39387-2	SSP MW-6S	Total/NA	Water	7470A	
870-39387-3	SSP MW-5S	Total/NA	Water	7470A	
870-39387-4	FD-1	Total/NA	Water	7470A	
870-39387-5	SSP MW-4S	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 259999 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-6	AP PZ-4	Total/NA	Water	7470A	
870-39387-7	AP PZ-4S	Total/NA	Water	7470A	
870-39387-8	AP MW-5D	Total/NA	Water	7470A	
870-39387-9	FB-1	Total/NA	Water	7470A	
870-39387-10	AP MW-7S	Total/NA	Water	7470A	
870-39387-11	AP MW-7D	Total/NA	Water	7470A	
LB 860-259424/1-C	Method Blank	Total/NA	Water	7470A	259424
MB 860-259999/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-259999/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-259999/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 260043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	3010A	
MB 860-259967/8-B	Method Blank	Total/NA	Water	3010A	259967
LCS 860-259967/9-B	Lab Control Sample	Total/NA	Water	3010A	259967
LCSD 860-259967/10-B	Lab Control Sample Dup	Total/NA	Water	3010A	259967

Leach Batch: 260067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-260067/1-E	Method Blank	Dissolved	Water	1311	

Prep Batch: 260076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-4	FD-1	Total/NA	Water	3010A	
870-39387-5	SSP MW-4S	Total/NA	Water	3010A	
870-39387-7	AP PZ-4S	Total/NA	Water	3010A	
MB 860-260076/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-260076/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-260076/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 260081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-6	AP PZ-4	Total/NA	Water	3010A	
870-39387-8	AP MW-5D	Total/NA	Water	3010A	
870-39387-10	AP MW-7S	Total/NA	Water	3010A	
MB 860-260081/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-260081/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-260081/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 260108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	6020B	259747
870-39387-2	SSP MW-6S	Total/NA	Water	6020B	259747
870-39387-3	SSP MW-5S	Total/NA	Water	6020B	259747
870-39387-4	FD-1	Total/NA	Water	6020B	259747
870-39387-5	SSP MW-4S	Total/NA	Water	6020B	259747
870-39387-5	SSP MW-4S	Total/NA	Water	6020B	259747
870-39387-8	AP MW-5D	Total/NA	Water	6020B	259747
870-39387-8	AP MW-5D	Total/NA	Water	6020B	259747
MB 860-259747/1-A	Method Blank	Total/NA	Water	6020B	259747

Metals (Continued)

Analysis Batch: 260108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-259747/2-A	Lab Control Sample	Total/NA	Water	6020B	259747
LCSD 860-259747/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	259747

Analysis Batch: 260168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	6010D	260043
870-39387-1	SSP MW-6D	Total/NA	Water	6010D	260043
MB 860-259967/8-B	Method Blank	Total/NA	Water	6010D	260043
LCS 860-259967/9-B	Lab Control Sample	Total/NA	Water	6010D	260043
LCSD 860-259967/10-B	Lab Control Sample Dup	Total/NA	Water	6010D	260043

Analysis Batch: 260233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-6	AP PZ-4	Total/NA	Water	6010D	260081
870-39387-6	AP PZ-4	Total/NA	Water	6010D	260081
870-39387-8	AP MW-5D	Total/NA	Water	6010D	260081
870-39387-8	AP MW-5D	Total/NA	Water	6010D	260081
870-39387-10	AP MW-7S	Total/NA	Water	6010D	260081
870-39387-10	AP MW-7S	Total/NA	Water	6010D	260081
MB 860-260081/1-A	Method Blank	Total/NA	Water	6010D	260081
LCS 860-260081/2-A	Lab Control Sample	Total/NA	Water	6010D	260081
LCSD 860-260081/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	260081

Analysis Batch: 260304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	7470A	259999
870-39387-2	SSP MW-6S	Total/NA	Water	7470A	259999
870-39387-3	SSP MW-5S	Total/NA	Water	7470A	259999
870-39387-4	FD-1	Total/NA	Water	7470A	259999
870-39387-5	SSP MW-4S	Total/NA	Water	7470A	259999
870-39387-6	AP PZ-4	Total/NA	Water	7470A	259999
870-39387-7	AP PZ-4S	Total/NA	Water	7470A	259999
870-39387-8	AP MW-5D	Total/NA	Water	7470A	259999
870-39387-9	FB-1	Total/NA	Water	7470A	259999
870-39387-10	AP MW-7S	Total/NA	Water	7470A	259999
870-39387-11	AP MW-7D	Total/NA	Water	7470A	259999
LB 860-259424/1-C	Method Blank	Total/NA	Water	7470A	259999
MB 860-259999/10-A	Method Blank	Total/NA	Water	7470A	259999
LCS 860-259999/11-A	Lab Control Sample	Total/NA	Water	7470A	259999
LCSD 860-259999/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	259999

Analysis Batch: 260482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-4	FD-1	Total/NA	Water	6010D	260076
870-39387-4	FD-1	Total/NA	Water	6010D	260076
870-39387-5	SSP MW-4S	Total/NA	Water	6010D	260076
870-39387-5	SSP MW-4S	Total/NA	Water	6010D	260076
870-39387-7	AP PZ-4S	Total/NA	Water	6010D	260076
870-39387-7	AP PZ-4S	Total/NA	Water	6010D	260076
MB 860-260076/1-A	Method Blank	Total/NA	Water	6010D	260076
LCS 860-260076/2-A	Lab Control Sample	Total/NA	Water	6010D	260076

Metals (Continued)

Analysis Batch: 260482 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-260076/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	260076

Analysis Batch: 260506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-2	SSP MW-6S	Total/NA	Water	6020B	259747
870-39387-3	SSP MW-5S	Total/NA	Water	6020B	259747
870-39387-4	FD-1	Total/NA	Water	6020B	259747
870-39387-5	SSP MW-4S	Total/NA	Water	6020B	259747
870-39387-7	AP PZ-4S	Total/NA	Water	6020B	259747
870-39387-8	AP MW-5D	Total/NA	Water	6020B	259747
870-39387-9	FB-1	Total/NA	Water	6020B	259747

Analysis Batch: 260518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-6	AP PZ-4	Total/NA	Water	6020B	259844
870-39387-10	AP MW-7S	Total/NA	Water	6020B	259844
870-39387-11	AP MW-7D	Total/NA	Water	6020B	259844
MB 860-259844/1-A	Method Blank	Total/NA	Water	6020B	259844
LCS 860-259844/2-A	Lab Control Sample	Total/NA	Water	6020B	259844
LCSD 860-259844/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	259844
870-39387-6 MS	AP PZ-4	Total/NA	Water	6020B	259844
870-39387-6 MSD	AP PZ-4	Total/NA	Water	6020B	259844

Prep Batch: 260534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-8	AP MW-5D	Dissolved	Water	7470A	
870-39387-10	AP MW-7S	Dissolved	Water	7470A	
LB 860-260067/1-E	Method Blank	Dissolved	Water	7470A	260067
MB 860-260534/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-260534/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-260534/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 260653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-8	AP MW-5D	Dissolved	Water	7470A	260534
870-39387-10	AP MW-7S	Dissolved	Water	7470A	260534
LB 860-260067/1-E	Method Blank	Dissolved	Water	7470A	260534
MB 860-260534/1-A	Method Blank	Total/NA	Water	7470A	260534
LCS 860-260534/2-A	Lab Control Sample	Total/NA	Water	7470A	260534
LCSD 860-260534/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	260534

Prep Batch: 261273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-8	AP MW-5D	Dissolved	Water	3010A	
870-39387-10	AP MW-7S	Dissolved	Water	3010A	
MB 860-261273/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-261273/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-261273/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Analysis Batch: 261470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-8	AP MW-5D	Dissolved	Water	6010D	261273
870-39387-8	AP MW-5D	Dissolved	Water	6010D	261273
870-39387-10	AP MW-7S	Dissolved	Water	6010D	261273
870-39387-10	AP MW-7S	Dissolved	Water	6010D	261273
MB 860-261273/1-A	Method Blank	Total/NA	Water	6010D	261273
LCS 860-261273/2-A	Lab Control Sample	Total/NA	Water	6010D	261273
LCSD 860-261273/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	261273

General Chemistry

Analysis Batch: 31338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	SM 2540C	
870-39387-2	SSP MW-6S	Total/NA	Water	SM 2540C	
870-39387-3	SSP MW-5S	Total/NA	Water	SM 2540C	
870-39387-4	FD-1	Total/NA	Water	SM 2540C	
870-39387-5	SSP MW-4S	Total/NA	Water	SM 2540C	
870-39387-6	AP PZ-4	Total/NA	Water	SM 2540C	
870-39387-7	AP PZ-4S	Total/NA	Water	SM 2540C	
870-39387-8	AP MW-5D	Total/NA	Water	SM 2540C	
870-39387-9	FB-1	Total/NA	Water	SM 2540C	
870-39387-10	AP MW-7S	Total/NA	Water	SM 2540C	
870-39387-11	AP MW-7D	Total/NA	Water	SM 2540C	
MB 870-31338/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-31338/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-31338/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 31515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	SM 4500 H+ B	
870-39387-2	SSP MW-6S	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 31551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-3	SSP MW-5S	Total/NA	Water	SM 4500 H+ B	
870-39387-4	FD-1	Total/NA	Water	SM 4500 H+ B	
870-39387-5	SSP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-39387-6	AP PZ-4	Total/NA	Water	SM 4500 H+ B	
870-39387-7	AP PZ-4S	Total/NA	Water	SM 4500 H+ B	
870-39387-8	AP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-39387-9	FB-1	Total/NA	Water	SM 4500 H+ B	
870-39387-10	AP MW-7S	Total/NA	Water	SM 4500 H+ B	
870-39387-11	AP MW-7D	Total/NA	Water	SM 4500 H+ B	
870-39387-11 DU	AP MW-7D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 259644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	SM 2320B	
870-39387-2	SSP MW-6S	Total/NA	Water	SM 2320B	
870-39387-3	SSP MW-5S	Total/NA	Water	SM 2320B	
870-39387-4	FD-1	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 259644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-5	SSP MW-4S	Total/NA	Water	SM 2320B	
870-39387-6	AP PZ-4	Total/NA	Water	SM 2320B	
870-39387-7	AP PZ-4S	Total/NA	Water	SM 2320B	
870-39387-8	AP MW-5D	Total/NA	Water	SM 2320B	
870-39387-9	FB-1	Total/NA	Water	SM 2320B	
870-39387-10	AP MW-7S	Total/NA	Water	SM 2320B	
870-39387-11	AP MW-7D	Total/NA	Water	SM 2320B	
MB 860-259644/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-259644/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-259644/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-39387-1 DU	SSP MW-6D	Total/NA	Water	SM 2320B	
870-39387-2 DU	SSP MW-6S	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 734204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	PrecSep-21	
870-39387-2	SSP MW-6S	Total/NA	Water	PrecSep-21	
870-39387-3	SSP MW-5S	Total/NA	Water	PrecSep-21	
870-39387-4	FD-1	Total/NA	Water	PrecSep-21	
870-39387-5	SSP MW-4S	Total/NA	Water	PrecSep-21	
870-39387-6	AP PZ-4	Total/NA	Water	PrecSep-21	
870-39387-7	AP PZ-4S	Total/NA	Water	PrecSep-21	
870-39387-8	AP MW-5D	Total/NA	Water	PrecSep-21	
870-39387-9	FB-1	Total/NA	Water	PrecSep-21	
870-39387-10	AP MW-7S	Total/NA	Water	PrecSep-21	
870-39387-11	AP MW-7D	Total/NA	Water	PrecSep-21	
MB 160-734204/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-734204/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 734205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	PrecSep_0	
870-39387-2	SSP MW-6S	Total/NA	Water	PrecSep_0	
870-39387-3	SSP MW-5S	Total/NA	Water	PrecSep_0	
870-39387-4	FD-1	Total/NA	Water	PrecSep_0	
870-39387-5	SSP MW-4S	Total/NA	Water	PrecSep_0	
870-39387-6	AP PZ-4	Total/NA	Water	PrecSep_0	
870-39387-7	AP PZ-4S	Total/NA	Water	PrecSep_0	
870-39387-8	AP MW-5D	Total/NA	Water	PrecSep_0	
870-39387-9	FB-1	Total/NA	Water	PrecSep_0	
870-39387-10	AP MW-7S	Total/NA	Water	PrecSep_0	
870-39387-11	AP MW-7D	Total/NA	Water	PrecSep_0	
MB 160-734205/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-734205/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 734454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-1	SSP MW-6D	Total/NA	Water	Fill_Geo-21	
870-39387-2	SSP MW-6S	Total/NA	Water	Fill_Geo-21	

Rad (Continued)

Prep Batch: 734454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39387-3	SSP MW-5S	Total/NA	Water	Fill_Geo-21	
870-39387-4	FD-1	Total/NA	Water	Fill_Geo-21	
870-39387-5	SSP MW-4S	Total/NA	Water	Fill_Geo-21	
870-39387-6	AP PZ-4	Total/NA	Water	Fill_Geo-21	
870-39387-7	AP PZ-4S	Total/NA	Water	Fill_Geo-21	
870-39387-8	AP MW-5D	Total/NA	Water	Fill_Geo-21	
870-39387-9	FB-1	Total/NA	Water	Fill_Geo-21	
870-39387-10	AP MW-7S	Total/NA	Water	Fill_Geo-21	
870-39387-11	AP MW-7D	Total/NA	Water	Fill_Geo-21	
MB 160-734454/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-734454/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-39387-1 DU	SSP MW-6D	Total/NA	Water	Fill_Geo-21	

Client Sample ID: SSP MW-6D

Lab Sample ID: 870-39387-1

Date Collected: 08/25/25 08:30

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 17:09	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260043	09/05/25 09:21	MD	EET HOU
Total/NA	Analysis	6010D		1			260168	09/05/25 15:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260043	09/05/25 09:21	MD	EET HOU
Total/NA	Analysis	6010D		50			260168	09/05/25 15:49	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:46	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:09	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 15:11	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737248	09/23/25 02:40	SCB	EET SL
Total/NA	Prep	PrecSep-21			997.66 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL
Total/NA	Prep	PrecSep_0			997.66 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737463	09/24/25 11:57	SWS	EET SL

Client Sample ID: SSP MW-6S

Lab Sample ID: 870-39387-2

Date Collected: 08/25/25 10:30

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 17:25	HN	EET HOU
Total/NA	Analysis	9056A	DL	50			258668	08/29/25 17:33	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	258726	08/29/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		1			258837	08/29/25 18:53	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	258726	08/29/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		50			258837	08/29/25 19:01	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:48	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260506	09/05/25 17:17	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 15:24	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737246	09/23/25 03:44	SCB	EET SL
Total/NA	Prep	PrecSep-21			1002.63 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL

Client Sample ID: SSP MW-6S

Lab Sample ID: 870-39387-2

Date Collected: 08/25/25 10:30

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1002.63 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737463	09/24/25 11:57	SWS	EET SL

Client Sample ID: SSP MW-5S

Lab Sample ID: 870-39387-3

Date Collected: 08/25/25 12:10

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 17:57	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	258507	08/28/25 13:28	MD	EET HOU
Total/NA	Analysis	6010D		1			258837	08/29/25 14:19	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	258507	08/28/25 13:28	MD	EET HOU
Total/NA	Analysis	6010D		5			258837	08/29/25 14:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	258507	08/28/25 13:28	MD	EET HOU
Total/NA	Analysis	6010D		50			258837	08/29/25 14:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:51	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260506	09/05/25 17:20	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 15:34	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737244	09/23/25 03:43	SCB	EET SL
Total/NA	Prep	PrecSep-21			1001.28 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.28 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737463	09/24/25 11:58	SWS	EET SL

Client Sample ID: FD-1

Lab Sample ID: 870-39387-4

Date Collected: 08/25/25 12:15

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 18:13	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260076	09/05/25 10:18	MD	EET HOU
Total/NA	Analysis	6010D		1			260482	09/05/25 17:51	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260076	09/05/25 10:18	MD	EET HOU
Total/NA	Analysis	6010D		50			260482	09/05/25 17:56	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:54	DP	EET HOU

Client Sample ID: FD-1

Lab Sample ID: 870-39387-4

Date Collected: 08/25/25 12:15

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260506	09/05/25 17:23	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:19	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 15:40	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737242	09/23/25 03:44	SCB	EET SL
Total/NA	Prep	PrecSep-21			1002.87 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.87 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737463	09/24/25 11:58	SWS	EET SL

Client Sample ID: SSP MW-4S

Lab Sample ID: 870-39387-5

Date Collected: 08/25/25 14:35

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 18:30	HN	EET HOU
Total/NA	Analysis	9056A	DL	50			258668	08/29/25 18:38	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260076	09/05/25 10:18	MD	EET HOU
Total/NA	Analysis	6010D		1			260482	09/05/25 17:53	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260076	09/05/25 10:18	MD	EET HOU
Total/NA	Analysis	6010D		50			260482	09/05/25 17:57	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:57	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260108	09/05/25 06:05	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260506	09/05/25 17:26	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:23	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 15:45	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737326	09/23/25 03:44	SCB	EET SL
Total/NA	Prep	PrecSep-21			759.63 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL
Total/NA	Prep	PrecSep_0			759.63 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737463	09/24/25 11:58	SWS	EET SL

Client Sample ID: AP PZ-4

Lab Sample ID: 870-39387-6

Date Collected: 08/25/25 16:35

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 18:46	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 18:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 18:23	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259844	09/04/25 12:53	MD	EET HOU
Total/NA	Analysis	6020B		5			260518	09/05/25 21:05	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:26	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 16:28	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737325	09/23/25 03:45	SCB	EET SL
Total/NA	Prep	PrecSep-21			1005.65 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.65 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737463	09/24/25 11:58	SWS	EET SL

Client Sample ID: AP PZ-4S

Lab Sample ID: 870-39387-7

Date Collected: 08/25/25 08:55

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 19:02	HN	EET HOU
Total/NA	Analysis	9056A	DL	50			258668	08/29/25 19:10	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260076	09/05/25 10:18	MD	EET HOU
Total/NA	Analysis	6010D		1			260482	09/05/25 17:54	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260076	09/05/25 10:18	MD	EET HOU
Total/NA	Analysis	6010D		50			260482	09/05/25 17:59	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260506	09/05/25 17:29	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:29	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 16:33	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737248	09/23/25 03:44	SCB	EET SL
Total/NA	Prep	PrecSep-21			1008.69 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.69 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737463	09/24/25 11:58	SWS	EET SL

Client Sample ID: AP MW-5D

Lab Sample ID: 870-39387-8

Date Collected: 08/25/25 11:55

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 19:34	HN	EET HOU
Total/NA	Analysis	9056A	DL	50			258668	08/29/25 19:42	HN	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	261273	09/11/25 09:25	MD	EET HOU
Dissolved	Analysis	6010D		1			261470	09/11/25 16:05	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	261273	09/11/25 09:25	MD	EET HOU
Dissolved	Analysis	6010D		50			261470	09/11/25 16:08	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 18:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 18:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 06:11	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260108	09/05/25 06:14	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260506	09/05/25 17:32	DP	EET HOU
Dissolved	Prep	7470A			5 mL	5 mL	260534	09/08/25 13:35	AGR	EET HOU
Dissolved	Analysis	7470A		1			260653	09/08/25 21:06	SHZ	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:40	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 16:39	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737245	09/23/25 07:07	SCB	EET SL
Total/NA	Prep	PrecSep-21			1008.09 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.09 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737463	09/24/25 11:58	SWS	EET SL

Client Sample ID: FB-1

Lab Sample ID: 870-39387-9

Date Collected: 08/25/25 10:30

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			258668	08/29/25 19:50	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	258726	08/29/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		1			258837	08/29/25 18:54	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260506	09/05/25 17:35	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:43	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 16:42	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL

Client Sample ID: FB-1

Lab Sample ID: 870-39387-9

Date Collected: 08/25/25 10:30

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737326	09/23/25 07:06	SCB	EET SL
Total/NA	Prep	PrecSep-21			1008.23 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 18:27	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.23 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737449	09/24/25 11:47	SCB	EET SL

Client Sample ID: AP MW-7S

Lab Sample ID: 870-39387-10

Date Collected: 08/25/25 15:20

Matrix: Water

Date Received: 08/27/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 19:58	HN	EET HOU
Total/NA	Analysis	9056A	DL	50			258668	08/29/25 20:06	HN	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	261273	09/11/25 09:25	MD	EET HOU
Dissolved	Analysis	6010D		1			261470	09/11/25 16:07	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	261273	09/11/25 09:25	MD	EET HOU
Dissolved	Analysis	6010D		50			261470	09/11/25 16:10	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 18:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 18:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259844	09/04/25 12:53	MD	EET HOU
Total/NA	Analysis	6020B		5			260518	09/05/25 21:27	DP	EET HOU
Dissolved	Prep	7470A			5 mL	5 mL	260534	09/08/25 13:35	AGR	EET HOU
Dissolved	Analysis	7470A		1			260653	09/08/25 21:02	SHZ	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:46	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 16:46	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737245	09/23/25 08:55	SCB	EET SL
Total/NA	Prep	PrecSep-21			1000.73 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 20:14	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.73 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737449	09/24/25 11:47	SCB	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES

Job ID: 870-39387-1

Client Sample ID: AP MW-7D

Date Collected: 08/25/25 18:05
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			258668	08/29/25 20:16	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	258726	08/29/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		1			258837	08/29/25 18:56	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	258726	08/29/25 10:00	MD	EET HOU
Total/NA	Analysis	6010D		50			258837	08/29/25 19:04	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259844	09/04/25 12:53	MD	EET HOU
Total/NA	Analysis	6020B		5			260518	09/05/25 21:30	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	259999	09/05/25 06:58	AGR	EET HOU
Total/NA	Analysis	7470A		1			260304	09/05/25 14:50	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259644	09/03/25 16:48	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31338	08/27/25 18:17	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31551	09/05/25 13:46	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737326	09/23/25 08:56	SCB	EET SL
Total/NA	Prep	PrecSep-21			1004.22 mL	1.0 g	734204	08/29/25 10:46	JTR	EET SL
Total/NA	Analysis	903.0		1			737463	09/24/25 20:14	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.22 mL	1.0 g	734205	08/29/25 10:55	JTR	EET SL
Total/NA	Analysis	904.0		1			737449	09/24/25 11:47	SCB	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: GCSES

Job ID: 870-39387-1

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: GCSES

Job ID: 870-39387-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: GCSES

Job ID: 870-39387-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-39387-1	SSP MW-6D	Water	08/25/25 08:30	08/27/25 09:59	Texas
870-39387-2	SSP MW-6S	Water	08/25/25 10:30	08/27/25 09:59	Texas
870-39387-3	SSP MW-5S	Water	08/25/25 12:10	08/27/25 09:59	Texas
870-39387-4	FD-1	Water	08/25/25 12:15	08/27/25 09:59	Texas
870-39387-5	SSP MW-4S	Water	08/25/25 14:35	08/27/25 09:59	Texas
870-39387-6	AP PZ-4	Water	08/25/25 16:35	08/27/25 09:59	Texas
870-39387-7	AP PZ-4S	Water	08/25/25 08:55	08/27/25 09:59	Texas
870-39387-8	AP MW-5D	Water	08/25/25 11:55	08/27/25 09:59	Texas
870-39387-9	FB-1	Water	08/25/25 10:30	08/27/25 09:59	Texas
870-39387-10	AP MW-7S	Water	08/25/25 15:20	08/27/25 09:59	Texas
870-39387-11	AP MW-7D	Water	08/25/25 18:05	08/27/25 09:59	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14120-4663.1
Client Contact: Courtney Stewart	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: courtney.stewart@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SSP MW-6D	08/25/25	0830	G	Water			X	X	X	X	X	X		X	X	7	
SSP MW-6S	08/25/25	1030	G	Water			X	X	X	X	X	X		X	X	7	
SSP MW-5S	08/25/25	1210	G	Water			X	X	X	X	X	X		X	X	7	
FD-1	08/25/25	1215	G	Water			X	X	X	X	X	X		X	X	7	
SSP MW-4S	08/25/25	1435	G	Water			X	X	X	X	X	X		X	X	7	
AP PZ-4	08/25/25	1635	G	Water			X	X	X	X	X	X		X	X	7	
AP PZ-4S	08/25/25	0855	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-5D	08/25/25	1155	G	Water	Y		X	X	X	X	X	X	X	X	X	8	
FB-1	08/25/25	1030	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-7S	08/25/25	1520	G	Water	Y		X	X	X	X	X	X	X	X	X	8	
AP MW-7D	08/25/25	1805	G	Water			X	X	X	X	X	X		X	X	7	

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: 8839 5652 5707, 8839 5652 5729,

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: 8839 5652 5692, 8839 5652 5718

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
MR Cole	08/26/25 1400		FedEx		
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 8/27/25 9:59	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: THM042 CF-0.3 0.4/0.1 0.8/0.5 0.4/0.1 0.6/0.3

9/30/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9013.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-39387-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/24/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SSP MW-6D (870-39387-1)	8/25/25	08:30 Central	G	Water			X	X	X	2	
SSP MW-6S (870-39387-2)	8/25/25	10:30 Central	G	Water			X	X	X	2	
SSP MW-5S (870-39387-3)	8/25/25	12:10 Central	G	Water			X	X	X	2	
FD-1 (870-39387-4)	8/25/25	12:15 Central	G	Water			X	X	X	2	
SSP MW-4S (870-39387-5)	8/25/25	14:35 Central	G	Water			X	X	X	2	
AP PZ-4 (870-39387-6)	8/25/25	16:35 Central	G	Water			X	X	X	2	
AP PZ-4S (870-39387-7)	8/25/25	08:55 Central	G	Water			X	X	X	2	
AP MW-5D (870-39387-8)	8/25/25	11:55 Central	G	Water			X	X	X	2	
FB-1 (870-39387-9)	8/25/25	10:30 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 08/27/25 1700	Company	Received by: Cheyenne Forrest	Date/Time: 0820 AUG 28 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9013.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-39387-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/24/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP MW-7S (870-39387-10)	8/25/25	15:20 Central	G	Water			X	X	X	2	
AP MW-7D (870-39387-11)	8/25/25	18:05 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				FEDEX		
2	Relinquished by:	Date/Time: 08/27/25 1700	Company	Received by: AUG 27 2025	Date/Time: 0820 AUG 28 2025	Company
3	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9015.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-39387 1
Address: 4145 Greenbriar Dr	Due Date Requested: 9/9/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X									
SSP MW-6D (870-39387 1)	8/25/25	08:30 Central	G	Water			X	X	X	X	X			3	
SSP MW-6S (870-39387-2)	8/25/25	10:30 Central	G	Water			X	X	X	X	X			3	
SSP MW-5S (870-39387-3)	8/25/25	12:10 Central	G	Water			X	X	X	X	X			3	
FD-1 (870-39387-4)	8/25/25	12:15 Central	G	Water			X	X	X	X	X			3	
SSP MW-4S (870-39387-5)	8/25/25	14:35 Central	G	Water			X	X	X	X	X			3	
AP PZ-4 (870-39387-6)	8/25/25	16:35 Central	G	Water			X	X	X	X	X			3	
AP PZ-4S (870-39387-7)	8/25/25	08:55 Central	G	Water			X	X	X	X	X			3	
AP MW-5D (870-39387-8)	8/25/25	11:55 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
FB-1 (870-39387-9)	8/25/25	10:30 Central	G	Water			X	X	X	X	X			3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 08/27/25-1700	Company	Received by:	Date/Time: FedEx	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 28 Aug 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: Time: 7:00	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 43

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9015.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-39387-1
Address: 4145 Greenbriar Dr	Due Date Requested: 9/9/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
AP MW-7S (870-39387-10)	8/25/25	15:20 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MW-7D (870-39387 11)	8/25/25	18:05 Central	G	Water			X	X	X	X	X			3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by: Date:	Time: Method of Shipment: FedEx

	Date/Time	Company		Date/Time	Company
Relinquished by:	08/27/25-1700		Received by:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 28 Aug 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: Time: 7:00	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 43

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39387-1
SDG Number:

Login Number: 39387
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39387-1
SDG Number:

Login Number: 39387
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 08/28/25 07:38 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39387-1
SDG Number:

Login Number: 39387
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 08/28/25 12:21 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 10/13/2025 4:04:03 PM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station

JOB NUMBER

870-39427-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

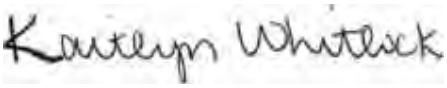
my EOL

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



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Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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 Narrative
870-39427-1

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 8/28/2025 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.3°C, 0.7°C and 0.9°C.

HPLC/IC
Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSP MW-3D (870-39427-1), SSP MW-2D (870-39427-3), AP MW-4S (870-39427-5), AP MW-1D (870-39427-6), AP MW-1 (870-39427-7), AP PZ-1 (870-39427-8) and FD-2 (870-39427-9). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-259608 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010D: The method blank for preparation batch 860-258865 and 860-259752 and analytical batch 860-260066 contained Lithium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SSP MW-3D (870-39427-1), FB-2 (870-39427-2), SSP MW-2D (870-39427-3), EB-1 (870-39427-4), AP MW-4S (870-39427-5), AP MW-1D (870-39427-6), AP MW-1 (870-39427-7), AP PZ-1 (870-39427-8) and FD-2 (870-39427-9).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 734454
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SSP MW-3D (870-39427-1), FB-2 (870-39427-2), EB-1 (870-39427-4), AP MW-4S (870-39427-5), AP MW-1D (870-39427-6), AP MW-1 (870-39427-7), AP PZ-1 (870-39427-8) and FD-2 (870-39427-9)

Method 901.1_Ra: Gamma Batch 734454
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-734454/1-A).

Job ID: 870-39427-1 (Continued) Eurofins Dallas

Method 901.1_Ra: Gamma Batch 734454
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SSP MW-3D (870-39427-1), FB-2 (870-39427-2), SSP MW-2D (870-39427-3), EB-1 (870-39427-4), AP MW-4S (870-39427-5), AP MW-1D (870-39427-6), AP MW-1 (870-39427-7), AP PZ-1 (870-39427-8), FD-2 (870-39427-9), (870-39387-A-1-A) and (870-39387-A-1-B DU)

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

Gas Flow Proportional Counter
Method 904.0: Radium 228 Batch 734580

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. SSP MW-2D (870-39427-3)

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

Client Sample ID: SSP MW-3D
Lab Sample ID: 870-39427-1

Date Collected: 08/26/25 13:20
Matrix: Water

Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1420		2.50	1.25	mg/L			09/03/25 14:20	5
Fluoride	<0.500	U	2.50	0.500	mg/L			09/03/25 14:20	5
Sulfate	2430		2.50	1.00	mg/L			09/03/25 14:20	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.96		0.0500	0.0162	mg/L		09/02/25 13:45	09/03/25 15:37	1
Calcium	725		10.0	5.08	mg/L		09/02/25 13:45	09/03/25 15:41	50
Magnesium	146		10.0	2.22	mg/L		09/02/25 13:45	09/03/25 15:41	50
Potassium	64.6		0.500	0.106	mg/L		09/02/25 13:45	09/03/25 15:37	1
Sodium	1140	^2	25.0	7.59	mg/L		09/02/25 13:45	09/03/25 15:41	50
Lithium	0.244		0.0400	0.0174	mg/L		09/02/25 13:45	09/03/25 15:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.619		0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 19:20	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 19:20	1
Arsenic	0.00731		0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 19:20	1
Barium	0.0246		0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 19:20	1
Beryllium	0.00918		0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 19:20	1
Cadmium	0.00230		0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 19:20	1
Chromium	0.00109	J	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 19:20	1
Cobalt	0.162		0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 19:20	1
Iron	3.17		0.0200	0.00445	mg/L		09/03/25 11:20	09/04/25 19:20	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 19:20	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 19:20	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 19:20	1
Thallium	0.00103	J	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 19:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	8.24		4.00	4.00	mg/L			09/02/25 14:36	1
Total Dissolved Solids (SM 2540C)	5640		20.0	20.0	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	4.8	HF			SU			09/03/25 13:30	1
Temperature (SM 4500 H+ B)	22.6	HF			Celsius			09/03/25 13:30	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-2.80	U G	14.2	14.2	50.0	57.6	pCi/L	09/02/25 11:26	09/23/25 08:56	1
Radium-228	12.6	U G	16.5	16.6	50.0	57.4	pCi/L	09/02/25 11:26	09/23/25 08:56	1
Combined Radium 226 + 228	9.80	U	21.8	21.8		57.6	pCi/L	09/02/25 11:26	09/23/25 08:56	1

Client Sample ID: SSP MW-3D
Lab Sample ID: 870-39427-1
Date Collected: 08/26/25 13:20
Matrix: Water
Date Received: 08/28/25 10:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.23		0.300	0.319	1.00	0.217	pCi/L	09/03/25 07:54	09/28/25 18:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*09/03/25 07:54*	*09/28/25 18:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.14		0.782	0.807	1.00	0.934	pCi/L	09/03/25 07:58	09/26/25 15:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*09/03/25 07:58*	*09/26/25 15:57*	*1*
Y Carrier	*81.1*		*30 - 110*	*09/03/25 07:58*	*09/26/25 15:57*	*1*

Client Sample ID: FB-2
Lab Sample ID: 870-39427-2
Date Collected: 08/26/25 12:40
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/03/25 14:36	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/03/25 14:36	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/03/25 14:36	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0210	J	0.0500	0.0162	mg/L		09/02/25 13:45	09/03/25 15:38	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/02/25 13:45	09/03/25 15:38	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/02/25 13:45	09/03/25 15:38	1
Potassium	0.276	J	0.500	0.106	mg/L		09/02/25 13:45	09/03/25 15:38	1
Sodium	6.59	^2	0.500	0.152	mg/L		09/02/25 13:45	09/03/25 15:38	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/02/25 13:45	09/03/25 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 19:23	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 19:23	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 19:23	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 19:23	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 19:23	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 19:23	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 19:23	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 19:23	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/03/25 11:20	09/04/25 19:23	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 19:23	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 19:23	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 19:23	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 19:23	1

Client Sample ID: FB-2
Lab Sample ID: 870-39427-2
Date Collected: 08/26/25 12:40
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/02/25 14:47	1
Total Dissolved Solids (SM 2540C)	**4.50**		2.50	2.50	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			09/03/25 13:30	1
Temperature (SM 4500 H+ B)	**20.9**	**HF**			Celsius			09/03/25 13:30	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.37	U G	29.6	29.6	50.0	71.8	pCi/L	09/02/25 11:26	09/23/25 08:57	1
Radium-228	-5.13	U G	29.3	29.3	50.0	51.3	pCi/L	09/02/25 11:26	09/23/25 08:57	1
Combined Radium 226 + 228	2.25	U	41.6	41.6		71.8	pCi/L	09/02/25 11:26	09/23/25 08:57	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0803	U	0.111	0.111	1.00	0.188	pCi/L	09/03/25 07:54	09/28/25 18:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*09/03/25 07:54*	*09/28/25 18:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.203	U	0.432	0.432	1.00	0.867	pCi/L	09/03/25 07:58	09/26/25 15:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*09/03/25 07:58*	*09/26/25 15:57*	*1*
Y Carrier	*80.7*		*30 - 110*	*09/03/25 07:58*	*09/26/25 15:57*	*1*

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-39427-3
Date Collected: 08/26/25 10:10
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2540**		5.00	2.50	mg/L			09/03/25 14:44	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/03/25 14:44	10
Sulfate	**2220**		5.00	2.00	mg/L			09/03/25 14:44	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.499**		0.0500	0.0162	mg/L		09/04/25 10:14	09/04/25 18:17	1
Calcium	**895**		10.0	5.08	mg/L		09/04/25 10:14	09/04/25 18:20	50
Magnesium	**145**		10.0	2.22	mg/L		09/04/25 10:14	09/04/25 18:20	50

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-39427-3

Date Collected: 08/26/25 10:10
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**61.1**		0.500	0.106	mg/L		09/04/25 10:14	09/04/25 18:17	1
Sodium	**1450**		25.0	7.59	mg/L		09/04/25 10:14	09/04/25 18:20	50
Lithium	**0.534**	**B**	0.0400	0.0174	mg/L		09/04/25 10:14	09/04/25 18:17	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		09/04/25 12:56	09/05/25 14:26	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		09/04/25 12:56	09/05/25 14:26	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/04/25 12:56	09/05/25 14:26	1
Barium	**0.0233**		0.0100	0.00125	mg/L		09/04/25 12:56	09/05/25 14:26	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/04/25 12:56	09/05/25 14:26	1
Boron	**0.551**		0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 14:26	1
Cadmium	**0.00523**		0.00500	0.000831	mg/L		09/04/25 12:56	09/05/25 14:26	1
Calcium	**995**		10.0	5.08	mg/L		09/04/25 12:56	09/05/25 14:31	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/04/25 12:56	09/05/25 14:26	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		09/04/25 12:56	09/05/25 14:26	1
Iron	**1.56**		0.200	0.0283	mg/L		09/04/25 12:56	09/05/25 14:26	1
Lead	**0.00397**	**J**	0.0100	0.00368	mg/L		09/04/25 12:56	09/05/25 14:26	1
Magnesium	**160**		10.0	2.22	mg/L		09/04/25 12:56	09/05/25 14:31	50
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/04/25 12:56	09/05/25 14:26	1
Potassium	**65.1**		0.500	0.106	mg/L		09/04/25 12:56	09/05/25 14:26	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/04/25 12:56	09/05/25 14:26	1
Sodium	**1440**		25.0	7.59	mg/L		09/04/25 12:56	09/05/25 14:31	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/04/25 12:56	09/05/25 14:26	1
Li	**0.232**		0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.675**		0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 19:26	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 19:26	1
Arsenic	**0.00173**	**J**	0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 19:26	1
Barium	**0.0293**		0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 19:26	1
Beryllium	**0.000420**	**J**	0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 19:26	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 19:26	1
Chromium	**0.000968**	**J**	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 19:26	1
Cobalt	**0.000554**	**J**	0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 19:26	1
Iron	**1.81**		0.0200	0.00445	mg/L		09/03/25 11:20	09/04/25 19:26	1
Lead	**0.000647**	**J**	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 19:26	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 19:26	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 19:26	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 19:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:23	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 21:45	1

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-39427-3
Date Collected: 08/26/25 10:10
Matrix: Water
Date Received: 08/28/25 10:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	80.2		4.00	4.00	mg/L			09/02/25 14:56	1
Total Dissolved Solids (SM 2540C)	6430		20.0	20.0	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	5.7	HF			SU			09/03/25 13:30	1
Temperature (SM 4500 H+ B)	20.4	HF			Celsius			09/03/25 13:30	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	21.5	U	18.2	18.4	50.0	27.7	pCi/L	09/02/25 11:26	09/23/25 08:57	1
Radium-228	19.0	U	31.7	31.8	50.0	46.4	pCi/L	09/02/25 11:26	09/23/25 08:57	1
Combined Radium 226 + 228	40.6	U	36.6	36.7		46.4	pCi/L	09/02/25 11:26	09/23/25 08:57	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.35		0.412	0.429	1.00	0.377	pCi/L	09/03/25 07:54	09/28/25 18:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*09/03/25 07:54*	*09/28/25 18:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.00	G	1.13	1.14	1.00	1.60	pCi/L	09/03/25 07:58	09/26/25 15:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*09/03/25 07:58*	*09/26/25 15:57*	*1*
Y Carrier	*83.4*		*30 - 110*	*09/03/25 07:58*	*09/26/25 15:57*	*1*

Client Sample ID: EB-1
Lab Sample ID: 870-39427-4
Date Collected: 08/26/25 11:00
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/03/25 15:00	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/03/25 15:00	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/03/25 15:00	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/04/25 10:14	09/04/25 18:18	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/04/25 10:14	09/04/25 18:18	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/04/25 10:14	09/04/25 18:18	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/04/25 10:14	09/04/25 18:18	1
Sodium	0.969		0.500	0.152	mg/L		09/04/25 10:14	09/04/25 18:18	1
Lithium	0.0256	J B	0.0400	0.0174	mg/L		09/04/25 10:14	09/04/25 18:18	1

Client Sample ID: EB-1
Lab Sample ID: 870-39427-4

Date Collected: 08/26/25 11:00
Matrix: Water

Date Received: 08/28/25 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 19:28	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 19:28	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 19:28	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 19:28	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 19:28	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 19:28	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 19:28	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 19:28	1
Iron	**0.00464**	**J**	0.0200	0.00445	mg/L		09/03/25 11:20	09/04/25 19:28	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 19:28	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 19:28	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 19:28	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 19:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000960**	**J**	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/02/25 15:02	1
Total Dissolved Solids (SM 2540C)	**7.50**		2.50	2.50	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	**6.2**	**HF**			SU			09/03/25 13:30	1
Temperature (SM 4500 H+ B)	**19.0**	**HF**			Celsius			09/03/25 13:30	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-3.94	U G	49.9	49.9	50.0	86.9	pCi/L	09/02/25 11:26	09/23/25 08:56	1
Radium-228	4.37	U G	7.22	7.23	50.0	79.7	pCi/L	09/02/25 11:26	09/23/25 08:56	1
Combined Radium 226 + 228	0.428	U	50.4	50.4		86.9	pCi/L	09/02/25 11:26	09/23/25 08:56	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0131	U	0.118	0.118	1.00	0.233	pCi/L	09/03/25 07:54	09/28/25 18:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.3*		*30 - 110*	*09/03/25 07:54*	*09/28/25 18:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.256	U	0.545	0.546	1.00	0.956	pCi/L	09/03/25 07:58	09/26/25 15:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.3*		*30 - 110*	*09/03/25 07:58*	*09/26/25 15:58*	*1*

Client Sample ID: EB-1
Lab Sample ID: 870-39427-4
Date Collected: 08/26/25 11:00
Matrix: Water
Date Received: 08/28/25 10:15

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	79.6		30 - 110	09/03/25 07:58	09/26/25 15:58	1

Client Sample ID: AP MW-4S
Lab Sample ID: 870-39427-5
Date Collected: 08/26/25 08:25
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		5.00	2.50	mg/L			09/03/25 15:24	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/03/25 15:24	10
Sulfate	**733**		5.00	2.00	mg/L			09/03/25 15:24	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.62**		0.0500	0.0162	mg/L		09/04/25 10:14	09/04/25 18:25	1
Calcium	**158**		10.0	5.08	mg/L		09/04/25 10:14	09/04/25 18:33	50
Magnesium	**22.3**		0.200	0.0445	mg/L		09/04/25 10:14	09/04/25 18:25	1
Potassium	**21.7**		0.500	0.106	mg/L		09/04/25 10:14	09/04/25 18:25	1
Sodium	**200**		0.500	0.152	mg/L		09/04/25 10:14	09/04/25 18:25	1
Lithium	**0.153**	**B**	0.0400	0.0174	mg/L		09/04/25 10:14	09/04/25 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3.81**		0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 19:31	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 19:31	1
Arsenic	**0.0101**		0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 19:31	1
Barium	**0.0183**		0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 19:31	1
Beryllium	**0.0160**		0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 19:31	1
Cadmium	**0.000330**	**J**	0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 19:31	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 19:31	1
Cobalt	**0.0444**		0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 19:31	1
Iron	**16.3**		0.100	0.0223	mg/L		09/03/25 11:20	09/04/25 19:34	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 19:31	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 19:31	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 19:31	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 19:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/02/25 15:34	1
Total Dissolved Solids (SM 2540C)	**1200**		5.00	5.00	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	**4.0**	**HF**			SU			09/03/25 13:30	1
Temperature (SM 4500 H+ B)	**19.1**	**HF**			Celsius			09/03/25 13:30	1

Client Sample ID: AP MW-4S
Lab Sample ID: 870-39427-5
Date Collected: 08/26/25 08:25
Matrix: Water
Date Received: 08/28/25 10:15

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-25.3	U G	19.3	19.5	50.0	71.0	pCi/L	09/02/25 11:26	09/23/25 08:55	1
Radium-228	-12.1	U G	31.3	31.3	50.0	55.8	pCi/L	09/02/25 11:26	09/23/25 08:55	1
Combined Radium 226 + 228	-37.4	U	36.8	36.9		71.0	pCi/L	09/02/25 11:26	09/23/25 08:55	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.158	U	0.257	0.257	1.00	0.445	pCi/L	09/03/25 08:00	09/25/25 19:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*09/03/25 08:00*	*09/25/25 19:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.599	U	0.503	0.506	1.00	0.793	pCi/L	09/03/25 08:10	09/25/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:54*	*1*
Y Carrier	*78.9*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:54*	*1*

Client Sample ID: AP MW-1D
Lab Sample ID: 870-39427-6
Date Collected: 08/26/25 10:15
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.3**		5.00	2.50	mg/L			09/03/25 15:32	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/03/25 15:32	10
Sulfate	**402**		5.00	2.00	mg/L			09/03/25 15:32	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**4.37**		0.0500	0.0162	mg/L		09/04/25 10:14	09/04/25 18:27	1
Calcium	**52.3**		0.200	0.102	mg/L		09/04/25 10:14	09/04/25 18:27	1
Magnesium	**9.45**		0.200	0.0445	mg/L		09/04/25 10:14	09/04/25 18:27	1
Potassium	**9.34**		0.500	0.106	mg/L		09/04/25 10:14	09/04/25 18:27	1
Sodium	**269**		25.0	7.59	mg/L		09/04/25 10:14	09/04/25 18:34	50
Lithium	**0.0357**	**J B**	0.0400	0.0174	mg/L		09/04/25 10:14	09/04/25 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00707**	**J**	0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 19:37	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 19:37	1
Arsenic	**0.0115**		0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 19:37	1
Barium	**0.0113**		0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 19:37	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 19:37	1

Client Sample ID: AP MW-1D
Lab Sample ID: 870-39427-6

Date Collected: 08/26/25 10:15
Matrix: Water
Date Received: 08/28/25 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.000266**	**J**	0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 19:37	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 19:37	1
Cobalt	**0.00743**		0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 19:37	1
Iron	**0.00930**	**J**	0.0200	0.00445	mg/L		09/03/25 11:20	09/04/25 19:37	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 19:37	1
Molybdenum	**0.0340**		0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 19:37	1
Selenium	**0.00139**	**J**	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 19:37	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 19:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**113**		4.00	4.00	mg/L			09/02/25 15:23	1
Total Dissolved Solids (SM 2540C)	**1010**		5.00	5.00	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	**6.1**	**HF**			SU			09/03/25 13:30	1
Temperature (SM 4500 H+ B)	**19.3**	**HF**			Celsius			09/03/25 13:30	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	6.43	U G	11.0	11.0	50.0	72.5	pCi/L	09/02/25 11:26	09/23/25 11:17	1
Radium-228	-6.70	U G	34.0	34.0	50.0	59.2	pCi/L	09/02/25 11:26	09/23/25 11:17	1
Combined Radium 226 + 228	-0.266	U	35.7	35.7		72.5	pCi/L	09/02/25 11:26	09/23/25 11:17	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0570	U	0.192	0.192	1.00	0.355	pCi/L	09/03/25 08:00	09/25/25 19:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.1*		*30 - 110*	*09/03/25 08:00*	*09/25/25 19:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.595**		0.345	0.349	1.00	0.496	pCi/L	09/03/25 08:10	09/25/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.1*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:54*	*1*
Y Carrier	*80.0*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:54*	*1*

Client Sample ID: AP MW-1
Lab Sample ID: 870-39427-7

Date Collected: 08/26/25 12:20
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**265**		0.500	0.250	mg/L			09/03/25 15:57	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/03/25 15:57	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**827**		5.00	2.00	mg/L			09/03/25 16:05	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.88**		0.0500	0.0162	mg/L		09/04/25 10:14	09/04/25 18:28	1
Calcium	**170**		10.0	5.08	mg/L		09/04/25 10:14	09/04/25 18:36	50
Magnesium	**29.4**		0.200	0.0445	mg/L		09/04/25 10:14	09/04/25 18:28	1
Potassium	**10.4**		0.500	0.106	mg/L		09/04/25 10:14	09/04/25 18:28	1
Sodium	**401**		25.0	7.59	mg/L		09/04/25 10:14	09/04/25 18:36	50
Lithium	**0.0790**	**B**	0.0400	0.0174	mg/L		09/04/25 10:14	09/04/25 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0172**	**J**	0.0200	0.00549	mg/L		09/03/25 11:40	09/04/25 19:40	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:40	09/04/25 19:40	1
Arsenic	**0.00454**		0.00400	0.000690	mg/L		09/03/25 11:40	09/04/25 19:40	1
Barium	**0.0554**		0.00400	0.00134	mg/L		09/03/25 11:40	09/04/25 19:40	1
Beryllium	**0.00574**		0.00200	0.000271	mg/L		09/03/25 11:40	09/04/25 19:40	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 11:40	09/04/25 19:40	1
Chromium	**0.000613**	**J**	0.00400	0.000560	mg/L		09/03/25 11:40	09/04/25 19:40	1
Cobalt	**0.115**		0.00200	0.000355	mg/L		09/03/25 11:40	09/04/25 19:40	1
Iron	**3.50**		0.0200	0.00445	mg/L		09/03/25 11:40	09/04/25 19:40	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 11:40	09/04/25 19:40	1
Molybdenum	**0.00304**		0.00200	0.000255	mg/L		09/03/25 11:40	09/04/25 19:40	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:40	09/04/25 19:40	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 11:40	09/04/25 19:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**79.4**		4.00	4.00	mg/L			09/02/25 15:29	1
Total Dissolved Solids (SM 2540C)	**1580**		10.0	10.0	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	**5.6**	**HF**			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	**20.2**	**HF**			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-1.02	U G	8.54	8.54	50.0	72.2	pCi/L	09/02/25 11:26	09/23/25 11:19	1
Radium-228	16.7	U G	48.0	48.0	50.0	79.7	pCi/L	09/02/25 11:26	09/23/25 11:19	1
Combined Radium 226 + 228	15.7	U	48.8	48.8		79.7	pCi/L	09/02/25 11:26	09/23/25 11:19	1

Client Sample ID: AP MW-1
Lab Sample ID: 870-39427-7
Date Collected: 08/26/25 12:20
Matrix: Water
Date Received: 08/28/25 10:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.21**		0.370	0.386	1.00	0.355	pCi/L	09/03/25 08:00	09/25/25 19:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*09/03/25 08:00*	*09/25/25 19:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.08**		0.616	0.678	1.00	0.558	pCi/L	09/03/25 08:10	09/25/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:54*	*1*
Y Carrier	*78.5*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:54*	*1*

Client Sample ID: AP PZ-1
Lab Sample ID: 870-39427-8
Date Collected: 08/26/25 14:15
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2500**		5.00	2.50	mg/L			09/03/25 16:13	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/03/25 16:13	10
Sulfate	**1940**		5.00	2.00	mg/L			09/03/25 16:13	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.318**		0.0500	0.0162	mg/L		09/04/25 10:14	09/04/25 18:30	1
Calcium	**1040**		10.0	5.08	mg/L		09/04/25 10:14	09/04/25 18:37	50
Magnesium	**196**		10.0	2.22	mg/L		09/04/25 10:14	09/04/25 18:37	50
Potassium	**58.6**		0.500	0.106	mg/L		09/04/25 10:14	09/04/25 18:30	1
Sodium	**1260**		25.0	7.59	mg/L		09/04/25 10:14	09/04/25 18:37	50
Lithium	**0.669**	**B**	0.0400	0.0174	mg/L		09/04/25 10:14	09/04/25 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.306**		0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 19:43	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 19:43	1
Arsenic	**0.00751**		0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 19:43	1
Barium	**0.0275**		0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 19:43	1
Beryllium	**0.00588**		0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 19:43	1
Cadmium	**0.00643**		0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 19:43	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 19:43	1
Cobalt	**0.0515**		0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 19:43	1
Iron	**1.74**		0.0200	0.00445	mg/L		09/03/25 11:20	09/04/25 19:43	1
Lead	**0.000566**	**J**	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 19:43	1
Molybdenum	**0.000377**	**J**	0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 19:43	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 19:43	1
Thallium	**0.00180**	**J**	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 19:43	1

Client Sample ID: AP PZ-1
Lab Sample ID: 870-39427-8
Date Collected: 08/26/25 14:15
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	5.21		4.00	4.00	mg/L			09/02/25 15:37	1
Total Dissolved Solids (SM 2540C)	5690		20.0	20.0	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	4.8	HF			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	21.4	HF			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	21.9	U	20.9	21.0	50.0	27.6	pCi/L	09/02/25 11:26	09/23/25 11:18	1
Radium-228	-4.22	U G	15.2	15.2	50.0	63.2	pCi/L	09/02/25 11:26	09/23/25 11:18	1
Combined Radium 226 + 228	17.7	U	25.8	25.9		63.2	pCi/L	09/02/25 11:26	09/23/25 11:18	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.65		0.486	0.541	1.00	0.311	pCi/L	09/03/25 08:00	09/25/25 19:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*09/03/25 08:00*	*09/25/25 19:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.69		0.855	1.11	1.00	0.508	pCi/L	09/03/25 08:10	09/25/25 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:55*	*1*
Y Carrier	*81.1*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:55*	*1*

Client Sample ID: FD-2
Lab Sample ID: 870-39427-9
Date Collected: 08/26/25 14:20
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2510		5.00	2.50	mg/L			09/03/25 16:29	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/03/25 16:29	10
Sulfate	1950		5.00	2.00	mg/L			09/03/25 16:29	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.310		0.0500	0.0162	mg/L		09/04/25 10:14	09/04/25 18:31	1
Calcium	1040		10.0	5.08	mg/L		09/04/25 10:14	09/04/25 18:39	50
Magnesium	195		10.0	2.22	mg/L		09/04/25 10:14	09/04/25 18:39	50

Client Sample ID: FD-2
Lab Sample ID: 870-39427-9

Date Collected: 08/26/25 14:20
Matrix: Water
Date Received: 08/28/25 10:15

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**57.1**		0.500	0.106	mg/L		09/04/25 10:14	09/04/25 18:31	1
Sodium	**1260**		25.0	7.59	mg/L		09/04/25 10:14	09/04/25 18:39	50
Lithium	**0.656**	**B**	0.0400	0.0174	mg/L		09/04/25 10:14	09/04/25 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.294**		0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 19:45	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 19:45	1
Arsenic	**0.00727**		0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 19:45	1
Barium	**0.0268**		0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 19:45	1
Beryllium	**0.00569**		0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 19:45	1
Cadmium	**0.00626**		0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 19:45	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 19:45	1
Cobalt	**0.0496**		0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 19:45	1
Iron	**1.69**		0.0200	0.00445	mg/L		09/03/25 11:20	09/04/25 19:45	1
Lead	**0.000534**	**J**	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 19:45	1
Molybdenum	**0.000331**	**J**	0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 19:45	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 19:45	1
Thallium	**0.00174**	**J**	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 19:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 07:28	09/02/25 21:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**5.64**		4.00	4.00	mg/L			09/02/25 16:51	1
Total Dissolved Solids (SM 2540C)	**6220**		20.0	20.0	mg/L			08/28/25 17:04	1
pH (SM 4500 H+ B)	**4.7**	**HF**			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	**23.1**	**HF**			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	25.6	U G	21.7	21.8	50.0	69.4	pCi/L	09/02/25 11:26	09/23/25 11:19	1
Radium-228	5.65	U G	12.2	12.2	50.0	60.1	pCi/L	09/02/25 11:26	09/23/25 11:19	1
Combined Radium 226 + 228	31.3	U	24.9	25.0		69.4	pCi/L	09/02/25 11:26	09/23/25 11:19	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**3.13**		0.529	0.599	1.00	0.323	pCi/L	09/03/25 08:00	09/25/25 19:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.6*		*30 - 110*	*09/03/25 08:00*	*09/25/25 19:34*	*1*

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: FD-2
Lab Sample ID: 870-39427-9
Date Collected: 08/26/25 14:20
Matrix: Water
Date Received: 08/28/25 10:15

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.41		0.858	1.10	1.00	0.547	pCi/L	09/03/25 08:10	09/25/25 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.6*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:55*	*1*
Y Carrier	*77.8*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:55*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
870-39427-1	SSP MW-3D	97.3
870-39427-2	FB-2	90.0
870-39427-3	SSP MW-2D	92.0
870-39427-4	EB-1	76.3
870-39427-5	AP MW-4S	94.9
870-39427-6	AP MW-1D	97.1
870-39427-7	AP MW-1	86.3
870-39427-8	AP PZ-1	93.7
870-39427-9	FD-2	94.6
LCS 160-734579/2-A	Lab Control Sample	87.1
LCS 160-734581/2-A	Lab Control Sample	93.4
MB 160-734579/1-A	Method Blank	91.0
MB 160-734581/1-A	Method Blank	94.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
870-39427-1	SSP MW-3D	97.3	81.1
870-39427-2	FB-2	90.0	80.7
870-39427-3	SSP MW-2D	92.0	83.4
870-39427-4	EB-1	76.3	79.6
870-39427-5	AP MW-4S	94.9	78.9
870-39427-6	AP MW-1D	97.1	80.0
870-39427-7	AP MW-1	86.3	78.5
870-39427-8	AP PZ-1	93.7	81.1
870-39427-9	FD-2	94.6	77.8
LCS 160-734580/2-A	Lab Control Sample	87.1	77.4
LCS 160-734582/2-A	Lab Control Sample	93.4	79.3
MB 160-734580/1-A	Method Blank	91.0	81.1
MB 160-734582/1-A	Method Blank	94.6	76.6

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-259419/3
Matrix: Water
Analysis Batch: 259419

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/03/25 10:42	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/03/25 10:42	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/03/25 10:42	1

Lab Sample ID: LCS 860-259419/4
Matrix: Water
Analysis Batch: 259419

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.321		mg/L		93	90 - 110
Fluoride	10.0	9.885		mg/L		99	90 - 110
Sulfate	10.0	9.865		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-259419/5
Matrix: Water
Analysis Batch: 259419

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
Chloride	10.0	9.392		mg/L		94	90 - 110	1	20
Fluoride	10.0	9.978		mg/L		100	90 - 110	1	20
Sulfate	10.0	9.922		mg/L		99	90 - 110	1	20

Lab Sample ID: LLCS 860-259419/7
Matrix: Water
Analysis Batch: 259419

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.3873	J	mg/L		77	50 - 150
Fluoride	0.500	0.2979	J	mg/L		60	50 - 150
Sulfate	0.500	0.3549	J	mg/L		71	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-258339/23-B
Matrix: Water
Analysis Batch: 259608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259229

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/02/25 13:45	09/03/25 14:03	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/02/25 13:45	09/03/25 14:03	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/02/25 13:45	09/03/25 14:03	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/02/25 13:45	09/03/25 14:03	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/02/25 13:45	09/03/25 14:03	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/02/25 13:45	09/03/25 14:03	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-258339/24-B
Matrix: Water
Analysis Batch: 259608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259229

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	1.050		mg/L		105	80 - 120		
Calcium			25.0	26.20		mg/L		105	80 - 120		
Magnesium			25.0	24.90		mg/L		100	80 - 120		
Potassium			10.0	10.40		mg/L		104	80 - 120		
Sodium			25.0	25.40		mg/L		102	80 - 120		
Lithium			1.00	0.9400		mg/L		94	80 - 120		

Lab Sample ID: LCSD 860-258339/25-B
Matrix: Water
Analysis Batch: 259608

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259229

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	1.050		mg/L		105	80 - 120	0	20
Calcium			25.0	26.10		mg/L		104	80 - 120	0	20
Magnesium			25.0	24.90		mg/L		100	80 - 120	0	20
Potassium			10.0	10.40		mg/L		104	80 - 120	0	20
Sodium			25.0	25.30		mg/L		101	80 - 120	0	20
Lithium			1.00	0.9380		mg/L		94	80 - 120	0	20

Lab Sample ID: MB 860-258865/1-C
Matrix: Water
Analysis Batch: 260066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/04/25 10:13	09/04/25 17:53	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/04/25 10:13	09/04/25 17:53	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/04/25 10:13	09/04/25 17:53	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/04/25 10:13	09/04/25 17:53	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/04/25 10:13	09/04/25 17:53	1
Lithium	0.02120	J	0.0400	0.0174	mg/L		09/04/25 10:13	09/04/25 17:53	1

Lab Sample ID: LCS 860-258865/2-C
Matrix: Water
Analysis Batch: 260066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	1.020		mg/L		102	80 - 120		
Calcium			25.0	24.60		mg/L		98	80 - 120		
Magnesium			25.0	24.30		mg/L		97	80 - 120		
Potassium			10.0	10.40		mg/L		104	80 - 120		
Sodium			25.0	27.10		mg/L		108	80 - 120		
Lithium			1.00	0.9770		mg/L		98	80 - 120		

Lab Sample ID: LCSD 860-258865/3-C
Matrix: Water
Analysis Batch: 260066

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259752

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	1.020		mg/L		102	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-258865/3-C
Matrix: Water
Analysis Batch: 260066

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259752

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			25.0	24.60		mg/L		98	80 - 120	0	20
Magnesium			25.0	24.30		mg/L		97	80 - 120	0	20
Potassium			10.0	10.40		mg/L		104	80 - 120	0	20
Sodium			25.0	27.10		mg/L		108	80 - 120	0	20
Lithium			1.00	0.9760		mg/L		98	80 - 120	0	20

Lab Sample ID: MB 860-259846/1-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		09/04/25 12:56	09/05/25 13:27	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		09/04/25 12:56	09/05/25 13:27	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/04/25 12:56	09/05/25 13:27	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		09/04/25 12:56	09/05/25 13:27	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/04/25 12:56	09/05/25 13:27	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 13:27	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		09/04/25 12:56	09/05/25 13:27	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/04/25 12:56	09/05/25 13:27	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/04/25 12:56	09/05/25 13:27	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		09/04/25 12:56	09/05/25 13:27	1
Iron	<0.0283	U	0.200	0.0283	mg/L		09/04/25 12:56	09/05/25 13:27	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/04/25 12:56	09/05/25 13:27	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/04/25 12:56	09/05/25 13:27	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/04/25 12:56	09/05/25 13:27	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/04/25 12:56	09/05/25 13:27	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/04/25 12:56	09/05/25 13:27	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/04/25 12:56	09/05/25 13:27	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/04/25 12:56	09/05/25 13:27	1
Li	<0.0174	U	0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 13:27	1

Lab Sample ID: LCS 860-259846/2-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259846

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum			5.00	5.180		mg/L		104	80 - 120
Antimony			1.00	0.8930		mg/L		89	80 - 120
Arsenic			1.00	1.030		mg/L		103	80 - 120
Barium			1.00	1.030		mg/L		103	80 - 120
Beryllium			1.00	1.030		mg/L		103	80 - 120
Boron			1.00	1.030		mg/L		103	80 - 120
Cadmium			1.00	0.9820		mg/L		98	80 - 120
Calcium			25.0	25.60		mg/L		102	80 - 120
Chromium			1.00	1.020		mg/L		102	80 - 120
Cobalt			1.00	0.9950		mg/L		100	80 - 120
Iron			5.00	5.090		mg/L		102	80 - 120
Lead			1.00	1.010		mg/L		101	80 - 120
Magnesium			25.0	24.90		mg/L		100	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-259846/2-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1.00	1.010		mg/L		101	80 - 120
Potassium	10.0	10.20		mg/L		102	80 - 120
Selenium	1.00	1.090		mg/L		109	80 - 120
Sodium	25.0	25.20		mg/L		101	80 - 120
Thallium	1.00	1.060		mg/L		106	80 - 120
Li	1.00	0.9270		mg/L		93	80 - 120

Lab Sample ID: LCSD 860-259846/3-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.190		mg/L		104	80 - 120	0	20
Antimony	1.00	0.9650		mg/L		97	80 - 120	8	20
Arsenic	1.00	1.020		mg/L		102	80 - 120	1	20
Barium	1.00	1.030		mg/L		103	80 - 120	0	20
Beryllium	1.00	1.030		mg/L		103	80 - 120	0	20
Boron	1.00	1.030		mg/L		103	80 - 120	0	20
Cadmium	1.00	0.9860		mg/L		99	80 - 120	0	20
Calcium	25.0	25.60		mg/L		102	80 - 120	0	20
Chromium	1.00	1.020		mg/L		102	80 - 120	0	20
Cobalt	1.00	0.9950		mg/L		100	80 - 120	0	20
Iron	5.00	5.100		mg/L		102	80 - 120	0	20
Lead	1.00	1.010		mg/L		101	80 - 120	0	20
Magnesium	25.0	25.00		mg/L		100	80 - 120	0	20
Molybdenum	1.00	1.020		mg/L		102	80 - 120	1	20
Potassium	10.0	10.30		mg/L		103	80 - 120	1	20
Selenium	1.00	1.100		mg/L		110	80 - 120	1	20
Sodium	25.0	25.30		mg/L		101	80 - 120	0	20
Thallium	1.00	1.060		mg/L		106	80 - 120	0	20
Li	1.00	0.9300		mg/L		93	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-259495/1-A
Matrix: Water
Analysis Batch: 259954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/03/25 11:20	09/04/25 18:17	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 11:20	09/04/25 18:17	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/03/25 11:20	09/04/25 18:17	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/03/25 11:20	09/04/25 18:17	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 11:20	09/04/25 18:17	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 11:20	09/04/25 18:17	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 11:20	09/04/25 18:17	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/03/25 11:20	09/04/25 18:17	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/03/25 11:20	09/04/25 18:17	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 11:20	09/04/25 18:17	1

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

Lab Sample ID: MB 860-259495/1-A
Matrix: Water
Analysis Batch: 259954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/03/25 11:20	09/04/25 18:17	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 11:20	09/04/25 18:17	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 11:20	09/04/25 18:17	1

Lab Sample ID: LCS 860-259495/2-A
Matrix: Water
Analysis Batch: 259954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5054		mg/L		101	80 - 120
Antimony	0.100	0.09314		mg/L		93	80 - 120
Arsenic	0.100	0.1023		mg/L		102	80 - 120
Barium	0.100	0.1045		mg/L		104	80 - 120
Beryllium	0.100	0.09820		mg/L		98	80 - 120
Cadmium	0.100	0.1021		mg/L		102	80 - 120
Chromium	0.100	0.1019		mg/L		102	80 - 120
Cobalt	0.100	0.1010		mg/L		101	80 - 120
Iron	0.500	0.5079		mg/L		102	80 - 120
Lead	0.100	0.1030		mg/L		103	80 - 120
Molybdenum	0.100	0.09723		mg/L		97	80 - 120
Selenium	0.100	0.1031		mg/L		103	80 - 120
Thallium	0.100	0.1044		mg/L		104	80 - 120

Lab Sample ID: LCSD 860-259495/3-A
Matrix: Water
Analysis Batch: 259954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259495

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4942		mg/L		99	80 - 120	2	20
Antimony	0.100	0.09335		mg/L		93	80 - 120	0	20
Arsenic	0.100	0.1013		mg/L		101	80 - 120	1	20
Barium	0.100	0.1016		mg/L		102	80 - 120	3	20
Beryllium	0.100	0.09909		mg/L		99	80 - 120	1	20
Cadmium	0.100	0.1009		mg/L		101	80 - 120	1	20
Chromium	0.100	0.1009		mg/L		101	80 - 120	1	20
Cobalt	0.100	0.1000		mg/L		100	80 - 120	1	20
Iron	0.500	0.5049		mg/L		101	80 - 120	1	20
Lead	0.100	0.1004		mg/L		100	80 - 120	3	20
Molybdenum	0.100	0.09681		mg/L		97	80 - 120	0	20
Selenium	0.100	0.1033		mg/L		103	80 - 120	0	20
Thallium	0.100	0.1022		mg/L		102	80 - 120	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-259083/1-A
Matrix: Water
Analysis Batch: 259380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259083

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000706	U	0.00200	0.000706	mg/L		09/02/25 07:28	09/02/25 20:55	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 860-259083/2-A
Matrix: Water
Analysis Batch: 259380
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0200	0.01991		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-259083/3-A
Matrix: Water
Analysis Batch: 259380
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259083

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.0200	0.01965		mg/L		98	80 - 120	1	20

Lab Sample ID: MB 860-259087/1-A
Matrix: Water
Analysis Batch: 259380
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 21:41	1

Lab Sample ID: LCS 860-259087/2-A
Matrix: Water
Analysis Batch: 259380
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001771		mg/L		89	80 - 120

Lab Sample ID: LCSD 860-259087/3-A
Matrix: Water
Analysis Batch: 259380
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001830		mg/L		91	80 - 120	3	20

Lab Sample ID: 870-39427-3 MS
Matrix: Water
Analysis Batch: 259380
Client Sample ID: SSP MW-2D
Prep Type: Dissolved
Prep Batch: 259087

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.0000706	U	0.00200	0.001907		mg/L		95	75 - 125

Lab Sample ID: 870-39427-3 MSD
Matrix: Water
Analysis Batch: 259380
Client Sample ID: SSP MW-2D
Prep Type: Dissolved
Prep Batch: 259087

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U	0.00200	0.001901		mg/L		95	75 - 125	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-259341/36
Matrix: Water
Analysis Batch: 259341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			09/02/25 14:19	1

Lab Sample ID: LCS 860-259341/37
Matrix: Water
Analysis Batch: 259341

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	258.7		mg/L		103	85 - 115		

Lab Sample ID: LCSD 860-259341/38
Matrix: Water
Analysis Batch: 259341

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
Alkalinity			250	258.5		mg/L		103	85 - 115	0	20

Lab Sample ID: 870-39427-1 DU
Matrix: Water
Analysis Batch: 259341

Client Sample ID: SSP MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	8.24			7.380		mg/L				11	20

Lab Sample ID: 870-39427-2 DU
Matrix: Water
Analysis Batch: 259341

Client Sample ID: FB-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	<4.00	U		<4.00	U	mg/L				NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-31356/1
Matrix: Water
Analysis Batch: 31356

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			08/28/25 13:05	1

Lab Sample ID: LCS 870-31356/2
Matrix: Water
Analysis Batch: 31356

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	919.0		mg/L		92	80 - 120		

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 870-31356/3
Matrix: Water
Analysis Batch: 31356

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
Total Dissolved Solids			1000	949.0		mg/L		95	80 - 120	3	10

Lab Sample ID: 870-39427-9 DU
Matrix: Water
Analysis Batch: 31356

Client Sample ID: FD-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	6220			6300		mg/L				1	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-39427-8 DU
Matrix: Water
Analysis Batch: 31480

Client Sample ID: AP PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	4.8	HF		4.8		SU				1	20
Temperature	21.4	HF		21.3		Celsius				0.5	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-734454/1-A
Matrix: Water
Analysis Batch: 737244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734454

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	20.05	U	20.2	20.3	50.0	29.1	pCi/L	09/02/25 11:26	09/23/25 21:00	1
Radium-228	-13.61	U G	44.6	44.7	50.0	59.9	pCi/L	09/02/25 11:26	09/23/25 21:00	1
Combined Radium 226 + 228	6.433	U	49.0	49.1		59.9	pCi/L	09/02/25 11:26	09/23/25 21:00	1

Lab Sample ID: LCS 160-734454/2-A
Matrix: Water
Analysis Batch: 737325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734454

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Americium-241			142000	140100		14400		395	pCi/L	98	75 - 125		
Cesium-137			37700	36610		3580		155	pCi/L	97	75 - 125		
Cobalt-60			51400	49980		4870		103	pCi/L	97	75 - 125		

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-734579/1-A
Matrix: Water
Analysis Batch: 737912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734579

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01129	U	0.0915	0.0915	1.00	0.193	pCi/L	09/03/25 07:54	09/28/25 14:58	1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110	09/03/25 07:54	09/28/25 14:58	1

Lab Sample ID: LCS 160-734579/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 737912 — **Prep Batch: 734579**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	9.383		1.10	1.00	0.193	pCi/L	98	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.1		30 - 110

Lab Sample ID: MB 160-734581/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 737637 — **Prep Batch: 734581**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.06351	U	0.180	0.180	1.00	0.389	pCi/L	09/03/25 08:00	09/25/25 19:35	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110	09/03/25 08:00	09/25/25 19:35	1

Lab Sample ID: LCS 160-734581/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 737637 — **Prep Batch: 734581**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.702		1.17	1.00	0.329	pCi/L	91	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.4		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-734580/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 737860 — **Prep Batch: 734580**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3491	U	0.513	0.514	1.00	0.867	pCi/L	09/03/25 07:58	09/26/25 15:49	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110	09/03/25 07:58	09/26/25 15:49	1
Y Carrier	81.1		30 - 110	09/03/25 07:58	09/26/25 15:49	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-734580/2-A
Matrix: Water
Analysis Batch: 737875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734580

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.03	11.02		1.48	1.00	0.656	pCi/L	122	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.1*		*30 - 110*
Y Carrier	*77.4*		*30 - 110*

Lab Sample ID: MB 160-734582/1-A
Matrix: Water
Analysis Batch: 737638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734582

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1784	U	0.334	0.334	1.00	0.575	pCi/L	09/03/25 08:10	09/25/25 11:54	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.6*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:54*	*1*
Y Carrier	*76.6*		*30 - 110*	*09/03/25 08:10*	*09/25/25 11:54*	*1*

Lab Sample ID: LCS 160-734582/2-A
Matrix: Water
Analysis Batch: 737638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734582

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.04	9.742		1.32	1.00	0.556	pCi/L	108	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.4*		*30 - 110*
Y Carrier	*79.3*		*30 - 110*

HPLC/IC

Analysis Batch: 259419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	9056A	
870-39427-2	FB-2	Total/NA	Water	9056A	
870-39427-3	SSP MW-2D	Total/NA	Water	9056A	
870-39427-4	EB-1	Total/NA	Water	9056A	
870-39427-5	AP MW-4S	Total/NA	Water	9056A	
870-39427-6	AP MW-1D	Total/NA	Water	9056A	
870-39427-7	AP MW-1	Total/NA	Water	9056A	
870-39427-7 - DL	AP MW-1	Total/NA	Water	9056A	
870-39427-8	AP PZ-1	Total/NA	Water	9056A	
870-39427-9	FD-2	Total/NA	Water	9056A	
MB 860-259419/3	Method Blank	Total/NA	Water	9056A	
LCS 860-259419/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-259419/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-259419/7	Lab Control Sample	Total/NA	Water	9056A	

Metals

Filtration Batch: 258339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-258339/23-B	Method Blank	Total/NA	Water	Filtration	
LCS 860-258339/24-B	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-258339/25-B	Lab Control Sample Dup	Total/NA	Water	Filtration	

Filtration Batch: 258865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-258865/1-C	Method Blank	Total/NA	Water	Filtration	
LCS 860-258865/2-C	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-258865/3-C	Lab Control Sample Dup	Total/NA	Water	Filtration	

Prep Batch: 259083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	7470A	
870-39427-2	FB-2	Total/NA	Water	7470A	
870-39427-3	SSP MW-2D	Total/NA	Water	7470A	
870-39427-4	EB-1	Total/NA	Water	7470A	
870-39427-5	AP MW-4S	Total/NA	Water	7470A	
870-39427-6	AP MW-1D	Total/NA	Water	7470A	
870-39427-7	AP MW-1	Total/NA	Water	7470A	
870-39427-8	AP PZ-1	Total/NA	Water	7470A	
870-39427-9	FD-2	Total/NA	Water	7470A	
MB 860-259083/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-259083/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-259083/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 259087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-3	SSP MW-2D	Dissolved	Water	7470A	
MB 860-259087/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-259087/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-259087/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-39427-3 MS	SSP MW-2D	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 259087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-3 MSD	SSP MW-2D	Dissolved	Water	7470A	

Prep Batch: 259229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	3010A	
870-39427-2	FB-2	Total/NA	Water	3010A	
MB 860-258339/23-B	Method Blank	Total/NA	Water	3010A	258339
LCS 860-258339/24-B	Lab Control Sample	Total/NA	Water	3010A	258339
LCSD 860-258339/25-B	Lab Control Sample Dup	Total/NA	Water	3010A	258339

Analysis Batch: 259380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	7470A	259083
870-39427-2	FB-2	Total/NA	Water	7470A	259083
870-39427-3	SSP MW-2D	Dissolved	Water	7470A	259087
870-39427-3	SSP MW-2D	Total/NA	Water	7470A	259083
870-39427-4	EB-1	Total/NA	Water	7470A	259083
870-39427-5	AP MW-4S	Total/NA	Water	7470A	259083
870-39427-6	AP MW-1D	Total/NA	Water	7470A	259083
870-39427-7	AP MW-1	Total/NA	Water	7470A	259083
870-39427-8	AP PZ-1	Total/NA	Water	7470A	259083
870-39427-9	FD-2	Total/NA	Water	7470A	259083
MB 860-259083/1-A	Method Blank	Total/NA	Water	7470A	259083
MB 860-259087/1-A	Method Blank	Total/NA	Water	7470A	259087
LCS 860-259083/2-A	Lab Control Sample	Total/NA	Water	7470A	259083
LCS 860-259087/2-A	Lab Control Sample	Total/NA	Water	7470A	259087
LCSD 860-259083/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	259083
LCSD 860-259087/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	259087
870-39427-3 MS	SSP MW-2D	Dissolved	Water	7470A	259087
870-39427-3 MSD	SSP MW-2D	Dissolved	Water	7470A	259087

Prep Batch: 259495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	3010A	
870-39427-2	FB-2	Total/NA	Water	3010A	
870-39427-3	SSP MW-2D	Total/NA	Water	3010A	
870-39427-4	EB-1	Total/NA	Water	3010A	
870-39427-5	AP MW-4S	Total/NA	Water	3010A	
870-39427-6	AP MW-1D	Total/NA	Water	3010A	
870-39427-7	AP MW-1	Total/NA	Water	3010A	
870-39427-8	AP PZ-1	Total/NA	Water	3010A	
870-39427-9	FD-2	Total/NA	Water	3010A	
MB 860-259495/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-259495/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-259495/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 259608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	6010D	259229
870-39427-1	SSP MW-3D	Total/NA	Water	6010D	259229
870-39427-2	FB-2	Total/NA	Water	6010D	259229

Metals (Continued)

Analysis Batch: 259608 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-258339/23-B	Method Blank	Total/NA	Water	6010D	259229
LCS 860-258339/24-B	Lab Control Sample	Total/NA	Water	6010D	259229
LCSD 860-258339/25-B	Lab Control Sample Dup	Total/NA	Water	6010D	259229

Prep Batch: 259752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-3	SSP MW-2D	Total/NA	Water	3010A	
870-39427-4	EB-1	Total/NA	Water	3010A	
870-39427-5	AP MW-4S	Total/NA	Water	3010A	
870-39427-6	AP MW-1D	Total/NA	Water	3010A	
870-39427-7	AP MW-1	Total/NA	Water	3010A	
870-39427-8	AP PZ-1	Total/NA	Water	3010A	
870-39427-9	FD-2	Total/NA	Water	3010A	
MB 860-258865/1-C	Method Blank	Total/NA	Water	3010A	258865
LCS 860-258865/2-C	Lab Control Sample	Total/NA	Water	3010A	258865
LCSD 860-258865/3-C	Lab Control Sample Dup	Total/NA	Water	3010A	258865

Prep Batch: 259846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-3	SSP MW-2D	Dissolved	Water	3010A	
MB 860-259846/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-259846/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-259846/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 259954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	6020B	259495
870-39427-2	FB-2	Total/NA	Water	6020B	259495
870-39427-3	SSP MW-2D	Total/NA	Water	6020B	259495
870-39427-4	EB-1	Total/NA	Water	6020B	259495
870-39427-5	AP MW-4S	Total/NA	Water	6020B	259495
870-39427-5	AP MW-4S	Total/NA	Water	6020B	259495
870-39427-6	AP MW-1D	Total/NA	Water	6020B	259495
870-39427-7	AP MW-1	Total/NA	Water	6020B	259495
870-39427-8	AP PZ-1	Total/NA	Water	6020B	259495
870-39427-9	FD-2	Total/NA	Water	6020B	259495
MB 860-259495/1-A	Method Blank	Total/NA	Water	6020B	259495
LCS 860-259495/2-A	Lab Control Sample	Total/NA	Water	6020B	259495
LCSD 860-259495/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	259495

Analysis Batch: 260066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-3	SSP MW-2D	Total/NA	Water	6010D	259752
870-39427-3	SSP MW-2D	Total/NA	Water	6010D	259752
870-39427-4	EB-1	Total/NA	Water	6010D	259752
870-39427-5	AP MW-4S	Total/NA	Water	6010D	259752
870-39427-5	AP MW-4S	Total/NA	Water	6010D	259752
870-39427-6	AP MW-1D	Total/NA	Water	6010D	259752
870-39427-6	AP MW-1D	Total/NA	Water	6010D	259752
870-39427-7	AP MW-1	Total/NA	Water	6010D	259752
870-39427-7	AP MW-1	Total/NA	Water	6010D	259752

Metals (Continued)

Analysis Batch: 260066 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-8	AP PZ-1	Total/NA	Water	6010D	259752
870-39427-8	AP PZ-1	Total/NA	Water	6010D	259752
870-39427-9	FD-2	Total/NA	Water	6010D	259752
870-39427-9	FD-2	Total/NA	Water	6010D	259752
MB 860-258865/1-C	Method Blank	Total/NA	Water	6010D	259752
LCS 860-258865/2-C	Lab Control Sample	Total/NA	Water	6010D	259752
LCSD 860-258865/3-C	Lab Control Sample Dup	Total/NA	Water	6010D	259752

Analysis Batch: 260168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-3	SSP MW-2D	Dissolved	Water	6010D	259846
870-39427-3	SSP MW-2D	Dissolved	Water	6010D	259846
MB 860-259846/1-A	Method Blank	Total/NA	Water	6010D	259846
LCS 860-259846/2-A	Lab Control Sample	Total/NA	Water	6010D	259846
LCSD 860-259846/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	259846

General Chemistry

Analysis Batch: 31356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	SM 2540C	
870-39427-2	FB-2	Total/NA	Water	SM 2540C	
870-39427-3	SSP MW-2D	Total/NA	Water	SM 2540C	
870-39427-4	EB-1	Total/NA	Water	SM 2540C	
870-39427-5	AP MW-4S	Total/NA	Water	SM 2540C	
870-39427-6	AP MW-1D	Total/NA	Water	SM 2540C	
870-39427-7	AP MW-1	Total/NA	Water	SM 2540C	
870-39427-8	AP PZ-1	Total/NA	Water	SM 2540C	
870-39427-9	FD-2	Total/NA	Water	SM 2540C	
MB 870-31356/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-31356/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-31356/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-39427-9 DU	FD-2	Total/NA	Water	SM 2540C	

Analysis Batch: 31480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-39427-2	FB-2	Total/NA	Water	SM 4500 H+ B	
870-39427-3	SSP MW-2D	Total/NA	Water	SM 4500 H+ B	
870-39427-4	EB-1	Total/NA	Water	SM 4500 H+ B	
870-39427-5	AP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-39427-6	AP MW-1D	Total/NA	Water	SM 4500 H+ B	
870-39427-7	AP MW-1	Total/NA	Water	SM 4500 H+ B	
870-39427-8	AP PZ-1	Total/NA	Water	SM 4500 H+ B	
870-39427-9	FD-2	Total/NA	Water	SM 4500 H+ B	
870-39427-8 DU	AP PZ-1	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 259341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	SM 2320B	
870-39427-2	FB-2	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 259341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-3	SSP MW-2D	Total/NA	Water	SM 2320B	
870-39427-4	EB-1	Total/NA	Water	SM 2320B	
870-39427-5	AP MW-4S	Total/NA	Water	SM 2320B	
870-39427-6	AP MW-1D	Total/NA	Water	SM 2320B	
870-39427-7	AP MW-1	Total/NA	Water	SM 2320B	
870-39427-8	AP PZ-1	Total/NA	Water	SM 2320B	
870-39427-9	FD-2	Total/NA	Water	SM 2320B	
MB 860-259341/36	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-259341/37	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-259341/38	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-39427-1 DU	SSP MW-3D	Total/NA	Water	SM 2320B	
870-39427-2 DU	FB-2	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 734454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	Fill_Geo-21	
870-39427-2	FB-2	Total/NA	Water	Fill_Geo-21	
870-39427-3	SSP MW-2D	Total/NA	Water	Fill_Geo-21	
870-39427-4	EB-1	Total/NA	Water	Fill_Geo-21	
870-39427-5	AP MW-4S	Total/NA	Water	Fill_Geo-21	
870-39427-6	AP MW-1D	Total/NA	Water	Fill_Geo-21	
870-39427-7	AP MW-1	Total/NA	Water	Fill_Geo-21	
870-39427-8	AP PZ-1	Total/NA	Water	Fill_Geo-21	
870-39427-9	FD-2	Total/NA	Water	Fill_Geo-21	
MB 160-734454/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-734454/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 734579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	PrecSep-21	
870-39427-2	FB-2	Total/NA	Water	PrecSep-21	
870-39427-3	SSP MW-2D	Total/NA	Water	PrecSep-21	
870-39427-4	EB-1	Total/NA	Water	PrecSep-21	
MB 160-734579/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-734579/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 734580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-1	SSP MW-3D	Total/NA	Water	PrecSep_0	
870-39427-2	FB-2	Total/NA	Water	PrecSep_0	
870-39427-3	SSP MW-2D	Total/NA	Water	PrecSep_0	
870-39427-4	EB-1	Total/NA	Water	PrecSep_0	
MB 160-734580/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-734580/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 734581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-5	AP MW-4S	Total/NA	Water	PrecSep-21	
870-39427-6	AP MW-1D	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 734581 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-7	AP MW-1	Total/NA	Water	PrecSep-21	
870-39427-8	AP PZ-1	Total/NA	Water	PrecSep-21	
870-39427-9	FD-2	Total/NA	Water	PrecSep-21	
MB 160-734581/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-734581/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 734582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39427-5	AP MW-4S	Total/NA	Water	PrecSep_0	
870-39427-6	AP MW-1D	Total/NA	Water	PrecSep_0	
870-39427-7	AP MW-1	Total/NA	Water	PrecSep_0	
870-39427-8	AP PZ-1	Total/NA	Water	PrecSep_0	
870-39427-9	FD-2	Total/NA	Water	PrecSep_0	
MB 160-734582/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-734582/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Client Sample ID: SSP MW-3D
Lab Sample ID: 870-39427-1

Date Collected: 08/26/25 13:20
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			259419	09/03/25 14:20	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259229	09/02/25 13:45	MD	EET HOU
Total/NA	Analysis	6010D		1			259608	09/03/25 15:37	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259229	09/02/25 13:45	MD	EET HOU
Total/NA	Analysis	6010D		50			259608	09/03/25 15:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:20	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:20	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 14:36	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:30	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737242	09/23/25 08:56	SCB	EET SL
Total/NA	Prep	PrecSep-21			751.42 mL	1.0 g	734579	09/03/25 07:54	JTR	EET SL
Total/NA	Analysis	903.0		1			737911	09/28/25 18:32	SWS	EET SL
Total/NA	Prep	PrecSep_0			751.42 mL	1.0 g	734580	09/03/25 07:58	JTR	EET SL
Total/NA	Analysis	904.0		1			737875	09/26/25 15:57	SCB	EET SL

Client Sample ID: FB-2
Lab Sample ID: 870-39427-2

Date Collected: 08/26/25 12:40
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259419	09/03/25 14:36	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259229	09/02/25 13:45	MD	EET HOU
Total/NA	Analysis	6010D		1			259608	09/03/25 15:38	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:23	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:21	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 14:47	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:30	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737325	09/23/25 08:57	SCB	EET SL
Total/NA	Prep	PrecSep-21			1008.22 mL	1.0 g	734579	09/03/25 07:54	JTR	EET SL
Total/NA	Analysis	903.0		1			737911	09/28/25 18:32	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.22 mL	1.0 g	734580	09/03/25 07:58	JTR	EET SL
Total/NA	Analysis	904.0		1			737862	09/26/25 15:57	SWS	EET SL

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-39427-3

Date Collected: 08/26/25 10:10
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259419	09/03/25 14:44	WP	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Dissolved	Analysis	6010D		1			260168	09/05/25 14:26	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Dissolved	Analysis	6010D		50			260168	09/05/25 14:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		1			260066	09/04/25 18:17	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		50			260066	09/04/25 18:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:26	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Dissolved	Analysis	7470A		1			259380	09/02/25 21:45	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:23	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 14:56	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:30	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737248	09/23/25 08:57	SCB	EET SL
Total/NA	Prep	PrecSep-21			501.69 mL	1.0 g	734579	09/03/25 07:54	JTR	EET SL
Total/NA	Analysis	903.0		1			737911	09/28/25 18:32	SWS	EET SL
Total/NA	Prep	PrecSep_0			501.69 mL	1.0 g	734580	09/03/25 07:58	JTR	EET SL
Total/NA	Analysis	904.0		1			737862	09/26/25 15:57	SWS	EET SL

Client Sample ID: EB-1
Lab Sample ID: 870-39427-4

Date Collected: 08/26/25 11:00
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259419	09/03/25 15:00	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		1			260066	09/04/25 18:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:28	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:24	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 15:02	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:30	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737246	09/23/25 08:56	SCB	EET SL
Total/NA	Prep	PrecSep-21			1003.18 mL	1.0 g	734579	09/03/25 07:54	JTR	EET SL
Total/NA	Analysis	903.0		1			737911	09/28/25 18:34	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: EB-1
Lab Sample ID: 870-39427-4
Date Collected: 08/26/25 11:00
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1003.18 mL	1.0 g	734580	09/03/25 07:58	JTR	EET SL
Total/NA	Analysis	904.0		1			737862	09/26/25 15:58	SWS	EET SL

Client Sample ID: AP MW-4S
Lab Sample ID: 870-39427-5
Date Collected: 08/26/25 08:25
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259419	09/03/25 15:24	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		1			260066	09/04/25 18:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		50			260066	09/04/25 18:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:31	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		5			259954	09/04/25 19:34	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:26	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 15:34	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:30	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737244	09/23/25 08:55	SCB	EET SL
Total/NA	Prep	PrecSep-21			751.00 mL	1.0 g	734581	09/03/25 08:00	JTR	EET SL
Total/NA	Analysis	903.0		1			737637	09/25/25 19:35	SWS	EET SL
Total/NA	Prep	PrecSep_0			751.00 mL	1.0 g	734582	09/03/25 08:10	JTR	EET SL
Total/NA	Analysis	904.0		1			737638	09/25/25 11:54	SWS	EET SL

Client Sample ID: AP MW-1D
Lab Sample ID: 870-39427-6
Date Collected: 08/26/25 10:15
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259419	09/03/25 15:32	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		1			260066	09/04/25 18:27	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		50			260066	09/04/25 18:34	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:37	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:27	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 15:23	CT	EET HOU

Client Sample ID: AP MW-1D
Lab Sample ID: 870-39427-6
Date Collected: 08/26/25 10:15
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:30	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737245	09/23/25 11:17	SCB	EET SL
Total/NA	Prep	PrecSep-21			1000.33 mL	1.0 g	734581	09/03/25 08:00	JTR	EET SL
Total/NA	Analysis	903.0		1			737638	09/25/25 19:33	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.33 mL	1.0 g	734582	09/03/25 08:10	JTR	EET SL
Total/NA	Analysis	904.0		1			737638	09/25/25 11:54	SWS	EET SL

Client Sample ID: AP MW-1
Lab Sample ID: 870-39427-7
Date Collected: 08/26/25 12:20
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259419	09/03/25 15:57	WP	EET HOU
Total/NA	Analysis	9056A	DL	10			259419	09/03/25 16:05	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		1			260066	09/04/25 18:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		50			260066	09/04/25 18:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:40	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:40	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:28	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 15:29	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737246	09/23/25 11:19	SCB	EET SL
Total/NA	Prep	PrecSep-21			1004.13 mL	1.0 g	734581	09/03/25 08:00	JTR	EET SL
Total/NA	Analysis	903.0		1			737638	09/25/25 19:34	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.13 mL	1.0 g	734582	09/03/25 08:10	JTR	EET SL
Total/NA	Analysis	904.0		1			737638	09/25/25 11:54	SWS	EET SL

Client Sample ID: AP PZ-1
Lab Sample ID: 870-39427-8
Date Collected: 08/26/25 14:15
Matrix: Water
Date Received: 08/28/25 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259419	09/03/25 16:13	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		1			260066	09/04/25 18:30	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		50			260066	09/04/25 18:37	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: AP PZ-1
Date Collected: 08/26/25 14:15
Date Received: 08/28/25 10:15

Lab Sample ID: 870-39427-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:43	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:30	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 15:37	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737326	09/23/25 11:18	SCB	EET SL
Total/NA	Prep	PrecSep-21			1008.02 mL	1.0 g	734581	09/03/25 08:00	JTR	EET SL
Total/NA	Analysis	903.0		1			737638	09/25/25 19:34	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.02 mL	1.0 g	734582	09/03/25 08:10	JTR	EET SL
Total/NA	Analysis	904.0		1			737638	09/25/25 11:55	SWS	EET SL

Client Sample ID: FD-2
Date Collected: 08/26/25 14:20
Date Received: 08/28/25 10:15

Lab Sample ID: 870-39427-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259419	09/03/25 16:29	WP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		1			260066	09/04/25 18:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259752	09/04/25 10:14	MD	EET HOU
Total/NA	Analysis	6010D		50			260066	09/04/25 18:39	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259495	09/03/25 11:20	MD	EET HOU
Total/NA	Analysis	6020B		1			259954	09/04/25 19:45	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259083	09/02/25 07:28	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 21:31	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 16:51	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31356	08/28/25 17:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734454	09/02/25 11:26	DC	EET SL
Total/NA	Analysis	901.1		1			737325	09/23/25 11:19	SCB	EET SL
Total/NA	Prep	PrecSep-21			1004.96 mL	1.0 g	734581	09/03/25 08:00	JTR	EET SL
Total/NA	Analysis	903.0		1			737638	09/25/25 19:34	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.96 mL	1.0 g	734582	09/03/25 08:10	JTR	EET SL
Total/NA	Analysis	904.0		1			737638	09/25/25 11:55	SWS	EET SL

Laboratory References:
EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-39427-1	SSP MW-3D	Water	08/26/25 13:20	08/28/25 10:15	Texas
870-39427-2	FB-2	Water	08/26/25 12:40	08/28/25 10:15	Texas
870-39427-3	SSP MW-2D	Water	08/26/25 10:10	08/28/25 10:15	Texas
870-39427-4	EB-1	Water	08/26/25 11:00	08/28/25 10:15	Texas
870-39427-5	AP MW-4S	Water	08/26/25 08:25	08/28/25 10:15	Texas
870-39427-6	AP MW-1D	Water	08/26/25 10:15	08/28/25 10:15	Texas
870-39427-7	AP MW-1	Water	08/26/25 12:20	08/28/25 10:15	Texas
870-39427-8	AP PZ-1	Water	08/26/25 14:15	08/28/25 10:15	Texas
870-39427-9	FD-2	Water	08/26/25 14:20	08/28/25 10:15	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

10/13/2025

Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14120-4663.1
Client Contact: Courtney Stewart	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: courtney.stewart@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special I
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SSP MW-3D	08/26/25	1320	G	Water			X	X	X	X	X	X		X	X	7	
FB-2	08/26/25	1240	G	Water			X	X	X	X	X	X		X	X	7	
SSP MW-2D	08/26/25	1010	G	Water	Y		X	X	X	X	X	X	X	X	X	8	
EB-1	08/26/25	1100	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-4S	08/26/25	0825	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-1D	08/26/25	1015	G	Water			X	X	X	X	X	X		X	X	7	
AP MW-1	08/26/25	1220	G	Water			X	X	X	X	X	X		X	X	7	
AP PZ-1	08/26/25	1415	G	Water			X	X	X	X	X	X		X	X	7	
FD-2	08/26/25	1420	G	Water			X	X	X	X	X	X		X	X	7	
				Water													
				Water													

870-39427 Chain of Custody

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: 8837 5652 5730, 5751, 5740

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
WR Cullen	08/27/25 1400		FedEx		
FedEx				8/28/25 10:15	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: .6, .3, 1.2, 1.9, 1, 1.7 -0.3 012

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9024.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-39427-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/5/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SSP MW-3D (870-39427-1)	8/26/25	13:20 Central	G	Water			X	X	X	2	
FB-2 (870-39427-2)	8/26/25	12:40 Central	G	Water			X	X	X	2	
SSP MW-2D (870-39427-3)	8/26/25	10:10 Central	G	Water			X	X	X	2	
EB-1 (870-39427-4)	8/26/25	11:00 Central	G	Water			X	X	X	2	
AP-MW-4S (870-39427-5)	8/26/25	08:25 Central	G	Water			X	X	X	2	
AP-MW-1D (870-39427-6)	8/26/25	10:15 Central	G	Water			X	X	X	2	
AP-MW-1 (870-39427-7)	8/26/25	12:20 Central	G	Water			X	X	X	2	
AP PZ-1 (870-39427-8)	8/26/25	14:15 Central	G	Water			X	X	X	2	
FD-2 (870-39427-9)	8/26/25	14:20 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 08/28/25-1700	Company	Received by: AUG 29 2025	Date/Time: AUG 29 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0810	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins

10/13/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9026.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-39427 1
Address: 4145 Greenbriar Dr	Due Date Requested: 9/4/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X									
SSP MW-3D (870-39427 1)	8/26/25	13:20 Central	G	Water			X	X	X	X	X			3	
FB-2 (870-39427-2)	8/26/25	12:40 Central	G	Water			X	X	X	X	X			3	
SSP MW-2D (870-39427-3)	8/26/25	10:10 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
EB-1 (870-39427-4)	8/26/25	11:00 Central	G	Water			X	X	X	X	X			3	
AP-MW-4S (870-39427-5)	8/26/25	08:25 Central	G	Water			X	X	X	X	X			3	
AP-MW-1D (870-39427-6)	8/26/25	10:15 Central	G	Water			X	X	X	X	X			3	
AP-MW-1 (870-39427-7)	8/26/25	12:20 Central	G	Water			X	X	X	X	X			3	
AP PZ-1 (870-39427-8)	8/26/25	14.15 Central	G	Water			X	X	X	X	X			3	
FD-2 (870-39427-9)	8/26/25	14:20 Central	G	Water			X	X	X	X	X			3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time: 08/28/25 1700	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 29 AUG 2025	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: Time: 9:00	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.0 °C 2-3

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39427-1
SDG Number:

Login Number: 39427
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39427-1
SDG Number:

Login Number: 39427
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 08/29/25 08:04 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39427-1
SDG Number:

Login Number: 39427
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 08/29/25 12:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 10/15/2025 2:39:29 PM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station

JOB NUMBER

870-39461-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

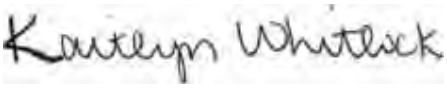
my EOL

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



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Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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 Narrative
870-39461-1

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 8/29/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.1°C, 0.9°C, 0.9°C, 3.3°C and 3.5°C.

Receipt Exceptions
Extra containers received for the following samples: sample 10: SFL MW-1S, sample 14: AP MW-3D. The samples were not marked for analysis on COC, but were labeled for 6010 dissolved metals and 7470 dissolved mercury. Confirmed via email on 8/29 for the samples to be activated for dissolved metals 6010 and 7470.

HPLC/IC
Method 9056A_ORGFM_28D: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-259716 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-259716 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SFL MW-1 (cont) (870-39461-1), SFL MW-8D (870-39461-3), SFL MNW-15D (870-39461-4), SFL MW-7S (870-39461-5), FD-3 (870-39461-6), SFL MW-3D (870-39461-8), SFL MW-5D (870-39461-9), SFL MW-15 (870-39461-10), SFL MW-4S (870-39461-11), SFL MW-2D (870-39461-12), SSP MW-5D (870-39461-13) and AP MW-3D (870-39461-14). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-259545 and analytical batch 860-260108 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6020B: The following samples were diluted due to the nature of the sample matrix: SFL MW-4S (870-39461-11) and SFL MW-2D (870-39461-12). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: SFL MW-7S (870-39461-5). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SFL MW-1 (cont) (870-39461-1), SFL MW-8S (870-39461-2), SFL MW-8D (870-39461-3), SFL MNW-15D (870-39461-4), SFL MW-7S (870-39461-5), FD-3 (870-39461-6), FB-3 (870-39461-7), SFL MW-3D (870-39461-8) and SFL MW-5D (870-39461-9).

Method SM4500_H+: The following samples were received outside of holding time: SFL MW-15 (870-39461-10), SFL MW-4S (870-39461-11), SFL MW-2D (870-39461-12), SSP MW-5D (870-39461-13), AP MW-3D (870-39461-14) and FB-4 (870-39461-15).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 734800
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SFL MW-1 (cont) (870-39461-1), SFL MW-8S (870-39461-2), SFL MW-8D (870-39461-3), SFL MNW-15D (870-39461-4), SFL MW-7S (870-39461-5), FD-3 (870-39461-6), FB-3 (870-39461-7), SFL MW-3D (870-39461-8), SFL MW-15 (870-39461-10), SFL MW-4S (870-39461-11), SFL MW-2D (870-39461-12) and FB-4 (870-39461-15)

Method 901.1_Ra: Gamma Batch 734800
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-1 (cont) (870-39461-1), SFL MW-8S (870-39461-2), SFL MW-8D (870-39461-3), SFL MNW-15D (870-39461-4), SFL MW-7S (870-39461-5), FD-3 (870-39461-6), FB-3 (870-39461-7), SFL MW-3D (870-39461-8), SFL MW-5D (870-39461-9), SFL MW-15 (870-39461-10), SFL MW-4S (870-39461-11), SFL MW-2D (870-39461-12), SSP MW-5D (870-39461-13), AP MW-3D (870-39461-14), FB-4 (870-39461-15) and (870-39461-B-1-B DU)

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

Gas Flow Proportional Counter
Method 904.0: Radium-228 Prep Batch 160-734791:
The MDC for the following samples is flagged as failing: SFL MW-1 (cont) (870-39461-1) and (860-110267-B-3-B DU). The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value.

Method 904.0: Radium-228 Prep Batch 160-734791:

Job ID: 870-39461-1 (Continued) Eurofins Dallas

The detection goal was not met for the following samples due to the reduction of sample size required by the presence of matrix interferences (turbidity and/or discoloration noted by the prep analyst): SFL MW-3D (870-39461-8), SFL MW-5D (870-39461-9), SSP MW-5D (870-39461-13) and AP MW-3D (870-39461-14). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 Prep Batch 160-734791:
The detection goal was unable to be met by the following samples: SFL MW-15 (870-39461-10) and (860-110267-A-3-B). This is due to the rapid decay of Ac-228 and a re-count needed within the decay period. The sample result has been reported with the MDC achieved.

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

Client Sample ID: SFL MW-1 (cont)
Lab Sample ID: 870-39461-1

Date Collected: 08/27/25 08:20
Matrix: Water

Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2190**		2.50	1.25	mg/L			09/04/25 14:28	5
Fluoride	**1.05**	**J**	2.50	0.500	mg/L			09/04/25 14:28	5
Sulfate	**1940**		2.50	1.00	mg/L			09/04/25 14:28	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.313**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:21	1
Calcium	**910**		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 17:28	50
Magnesium	**155**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:21	1
Potassium	**23.4**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:21	1
Sodium	**815**		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 17:28	50
Lithium	**0.103**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15.9**		0.200	0.0549	mg/L		09/05/25 09:16	09/08/25 16:25	10
Antimony	**0.000800**	**J**	0.00200	0.000750	mg/L		09/05/25 09:16	09/06/25 01:36	1
Arsenic	**0.0150**		0.00400	0.000690	mg/L		09/05/25 09:16	09/06/25 01:36	1
Barium	**0.0322**		0.00400	0.00134	mg/L		09/05/25 09:16	09/06/25 01:36	1
Beryllium	**0.0647**		0.00200	0.000271	mg/L		09/05/25 09:16	09/06/25 01:36	1
Cadmium	**0.0203**		0.00200	0.000240	mg/L		09/05/25 09:16	09/06/25 01:36	1
Chromium	**0.00257**	**J**	0.00400	0.000560	mg/L		09/05/25 09:16	09/06/25 01:36	1
Cobalt	**0.293**		0.00200	0.000355	mg/L		09/05/25 09:16	09/06/25 01:36	1
Iron	**8.31**		0.0200	0.00445	mg/L		09/05/25 09:16	09/06/25 01:36	1
Lead	**0.00530**		0.00200	0.000367	mg/L		09/05/25 09:16	09/06/25 01:36	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/05/25 09:16	09/06/25 01:36	1
Selenium	**0.000926**	**J**	0.00200	0.000590	mg/L		09/05/25 09:16	09/06/25 01:36	1
Thallium	**0.00795**		0.00200	0.000415	mg/L		09/05/25 09:16	09/06/25 01:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/02/25 11:19	1
Total Dissolved Solids (SM 2540C)	**6930**		20.0	20.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**4.2**	**HF**			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	**21.4**	**HF**			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**45.0**		36.4	36.6	50.0	34.1	pCi/L	09/04/25 09:49	09/28/25 13:21	1
Radium-228	27.9	U G	46.9	46.9	50.0	67.6	pCi/L	09/04/25 09:49	09/28/25 13:21	1
Combined Radium 226 + 228	**72.9**		59.4	59.5		67.6	pCi/L	09/04/25 09:49	09/28/25 13:21	1

Client Sample ID: SFL MW-1 (cont)
Lab Sample ID: 870-39461-1
Date Collected: 08/27/25 08:20
Matrix: Water
Date Received: 08/29/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.411		0.273	0.276	1.00	0.382	pCi/L	09/04/25 08:22	09/30/25 21:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.3*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.158	U G	0.570	0.570	1.00	1.02	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.3*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*
Y Carrier	*80.7*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-39461-2
Date Collected: 08/27/25 10:15
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		5.00	2.50	mg/L			09/05/25 11:54	10
Fluoride	0.688		0.500	0.100	mg/L			09/04/25 11:22	1
Sulfate	552		5.00	2.00	mg/L			09/05/25 11:54	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	21.5		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:23	1
Calcium	520		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 17:30	50
Magnesium	117		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:23	1
Potassium	27.0		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:23	1
Sodium	665		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 17:30	50
Lithium	0.241		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8.97		0.0200	0.00549	mg/L		09/03/25 13:23	09/05/25 02:12	1
Antimony	0.00316		0.00200	0.000750	mg/L		09/03/25 13:23	09/05/25 02:12	1
Arsenic	0.00973		0.00400	0.000690	mg/L		09/03/25 13:23	09/05/25 02:12	1
Barium	0.0284		0.00400	0.00134	mg/L		09/03/25 13:23	09/05/25 02:12	1
Beryllium	0.0395		0.00200	0.000271	mg/L		09/03/25 13:23	09/05/25 02:12	1
Cadmium	0.00408		0.00200	0.000240	mg/L		09/03/25 13:23	09/05/25 02:12	1
Chromium	0.000856	J	0.00400	0.000560	mg/L		09/03/25 13:23	09/05/25 02:12	1
Cobalt	0.114		0.00200	0.000355	mg/L		09/03/25 13:23	09/05/25 02:12	1
Iron	22.7		0.100	0.0223	mg/L		09/03/25 13:23	09/05/25 02:15	5
Lead	0.0164		0.00200	0.000367	mg/L		09/03/25 13:23	09/05/25 02:12	1
Molybdenum	0.000493	J	0.00200	0.000255	mg/L		09/03/25 13:23	09/05/25 02:12	1
Selenium	0.000745	J	0.00200	0.000590	mg/L		09/03/25 13:23	09/05/25 02:12	1
Thallium	0.00295		0.00200	0.000415	mg/L		09/03/25 13:23	09/05/25 02:12	1

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-39461-2
Date Collected: 08/27/25 10:15
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/02/25 11:28	1
Total Dissolved Solids (SM 2540C)	**4710**		20.0	20.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**4.2**	**HF**			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	**20.7**	**HF**			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.342	U	1.11	1.11	50.0	48.8	pCi/L	09/04/25 09:49	09/28/25 13:22	1
Radium-228	4.25	U G	8.73	8.74	50.0	54.2	pCi/L	09/04/25 09:49	09/28/25 13:22	1
Combined Radium 226 + 228	3.91	U	8.80	8.81		54.2	pCi/L	09/04/25 09:49	09/28/25 13:22	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.56**		0.406	0.429	1.00	0.348	pCi/L	09/04/25 08:22	09/30/25 21:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.37**		0.834	0.890	1.00	0.891	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*
Y Carrier	*83.7*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-39461-3
Date Collected: 08/27/25 11:45
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**393**		0.500	0.250	mg/L			09/04/25 12:19	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/04/25 12:19	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**655**		5.00	2.00	mg/L			09/04/25 12:27	10

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-39461-3

Date Collected: 08/27/25 11:45
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.866**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:25	1
Calcium	**172**		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 17:31	50
Magnesium	**29.9**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:25	1
Potassium	**26.8**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:25	1
Sodium	**362**		0.500	0.152	mg/L		09/05/25 10:25	09/05/25 17:25	1
Lithium	**0.175**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0398**		0.0200	0.00549	mg/L		09/03/25 13:23	09/05/25 03:36	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 13:23	09/05/25 03:36	1
Arsenic	**0.00354**	**J**	0.00400	0.000690	mg/L		09/03/25 13:23	09/05/25 03:36	1
Barium	**0.0412**		0.00400	0.00134	mg/L		09/03/25 13:23	09/05/25 03:36	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 13:23	09/05/25 03:36	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 13:23	09/05/25 03:36	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 13:23	09/05/25 03:36	1
Cobalt	**0.00200**		0.00200	0.000355	mg/L		09/03/25 13:23	09/05/25 03:36	1
Iron	**0.930**		0.0200	0.00445	mg/L		09/03/25 13:23	09/05/25 03:36	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 13:23	09/05/25 03:36	1
Molybdenum	**0.00260**		0.00200	0.000255	mg/L		09/03/25 13:23	09/05/25 03:36	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 13:23	09/05/25 03:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 13:23	09/05/25 03:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**161**		4.00	4.00	mg/L			09/02/25 11:32	1
Total Dissolved Solids (SM 2540C)	**2150**		10.0	10.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	**20.5**	**HF**			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	11.9	U G	27.7	27.7	50.0	52.3	pCi/L	09/04/25 09:49	09/29/25 13:04	1
Radium-228	11.7	U	22.3	22.3	50.0	36.0	pCi/L	09/04/25 09:49	09/29/25 13:04	1
Combined Radium 226 + 228	23.6	U	35.6	35.6		52.3	pCi/L	09/04/25 09:49	09/29/25 13:04	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.371	U	0.274	0.276	1.00	0.402	pCi/L	09/04/25 08:22	09/30/25 21:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:03*	*1*

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-39461-3
Date Collected: 08/27/25 11:45
Matrix: Water
Date Received: 08/29/25 10:30

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.42**		0.632	0.645	1.00	0.846	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*
Y Carrier	*87.5*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*

Client Sample ID: SFL MNW-15D
Lab Sample ID: 870-39461-4
Date Collected: 08/27/25 13:40
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.100	U	0.500	0.100	mg/L			09/04/25 12:35	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**847**		5.00	2.50	mg/L			09/04/25 12:43	10
Sulfate	**1200**		5.00	2.00	mg/L			09/04/25 12:43	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.425**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:26	1
Calcium	**335**		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 17:33	50
Magnesium	**50.3**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:26	1
Potassium	**43.5**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:26	1
Sodium	**630**		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 17:33	50
Lithium	**0.237**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0245**		0.0200	0.00549	mg/L		09/04/25 12:53	09/05/25 22:31	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 12:53	09/05/25 22:31	1
Arsenic	**0.00117**	**J**	0.00400	0.000690	mg/L		09/04/25 12:53	09/05/25 22:31	1
Barium	**0.0471**		0.00400	0.00134	mg/L		09/04/25 12:53	09/05/25 22:31	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 12:53	09/05/25 22:31	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 12:53	09/05/25 22:31	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 12:53	09/05/25 22:31	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/04/25 12:53	09/05/25 22:31	1
Iron	**2.29**		0.0200	0.00445	mg/L		09/04/25 12:53	09/05/25 22:31	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/04/25 12:53	09/05/25 22:31	1
Molybdenum	**0.000472**	**J**	0.00200	0.000255	mg/L		09/04/25 12:53	09/05/25 22:31	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 12:53	09/05/25 22:31	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 12:53	09/05/25 22:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:06	1

Client Sample ID: SFL MNW-15D
Lab Sample ID: 870-39461-4
Date Collected: 08/27/25 13:40
Matrix: Water
Date Received: 08/29/25 10:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	119		4.00	4.00	mg/L			09/02/25 11:38	1
Total Dissolved Solids (SM 2540C)	3540		10.0	10.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	6.5	HF			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	21.0	HF			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	19.0	U	20.2	20.3	50.0	25.0	pCi/L	09/04/25 09:49	09/28/25 13:20	1
Radium-228	1.21	U G	32.4	32.4	50.0	55.1	pCi/L	09/04/25 09:49	09/28/25 13:20	1
Combined Radium 226 + 228	20.2	U	38.2	38.2		55.1	pCi/L	09/04/25 09:49	09/28/25 13:20	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.626		0.301	0.306	1.00	0.371	pCi/L	09/04/25 08:22	09/30/25 21:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.850	U	0.588	0.594	1.00	0.889	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*
Y Carrier	*85.2*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-39461-5
Date Collected: 08/27/25 15:35
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4130		5.00	2.50	mg/L			09/04/25 16:05	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/04/25 16:05	10
Sulfate	1520		5.00	2.00	mg/L			09/04/25 16:05	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.788		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:38	1
Calcium	1060		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 17:47	50
Magnesium	198		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:38	1
Potassium	39.0		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:38	1
Sodium	1810		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 17:47	50
Lithium	0.280		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:38	1

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-39461-5

Date Collected: 08/27/25 15:35
Matrix: Water

Date Received: 08/29/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0151**	**J**	0.0200	0.00549	mg/L		09/04/25 12:53	09/05/25 22:33	1
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 12:53	09/08/25 16:31	5
Arsenic	**0.00185**	**J**	0.00400	0.000690	mg/L		09/04/25 12:53	09/05/25 22:33	1
Barium	**0.0383**		0.0200	0.00671	mg/L		09/04/25 12:53	09/08/25 16:31	5
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 12:53	09/05/25 22:33	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 12:53	09/05/25 22:33	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 12:53	09/05/25 22:33	1
Cobalt	**0.00116**	**J**	0.00200	0.000355	mg/L		09/04/25 12:53	09/05/25 22:33	1
Iron	**0.752**		0.0200	0.00445	mg/L		09/04/25 12:53	09/05/25 22:33	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 12:53	09/08/25 16:31	5
Molybdenum	**0.000358**	**J**	0.00200	0.000255	mg/L		09/04/25 12:53	09/05/25 22:33	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 12:53	09/05/25 22:33	1
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 12:53	09/08/25 16:31	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**124**		4.00	4.00	mg/L			09/02/25 11:55	1
Total Dissolved Solids (SM 2540C)	**10200**		50.0	50.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**5.8**	**HF**			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	**19.9**	**HF**			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**49.6**		21.5	22.0	50.0	24.4	pCi/L	09/04/25 09:49	09/28/25 13:20	1
Radium-228	26.0	U G	33.3	33.4	50.0	53.0	pCi/L	09/04/25 09:49	09/28/25 13:20	1
Combined Radium 226 + 228	**75.7**		39.6	40.0		53.0	pCi/L	09/04/25 09:49	09/28/25 13:20	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.65**		0.415	0.441	1.00	0.330	pCi/L	09/04/25 08:22	09/30/25 21:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**5.48**		1.02	1.14	1.00	0.912	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-39461-5
Date Collected: 08/27/25 15:35
Matrix: Water
Date Received: 08/29/25 10:30

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	81.9		30 - 110	09/04/25 08:27	09/30/25 15:54	1

Client Sample ID: FD-3
Lab Sample ID: 870-39461-6
Date Collected: 08/27/25 15:40
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4150**		5.00	2.50	mg/L			09/04/25 16:21	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/04/25 16:21	10
Sulfate	**1530**		5.00	2.00	mg/L			09/04/25 16:21	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.758**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:40	1
Calcium	**1000**		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 17:48	50
Magnesium	**190**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:40	1
Potassium	**37.6**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:40	1
Sodium	**1700**		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 17:48	50
Lithium	**0.271**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0159**	**J**	0.0200	0.00549	mg/L		09/03/25 13:23	09/05/25 03:38	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 13:23	09/05/25 03:38	1
Arsenic	**0.00190**	**J**	0.00400	0.000690	mg/L		09/03/25 13:23	09/05/25 03:38	1
Barium	**0.0381**		0.00400	0.00134	mg/L		09/03/25 13:23	09/05/25 03:38	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 13:23	09/05/25 03:38	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 13:23	09/05/25 03:38	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 13:23	09/05/25 03:38	1
Cobalt	**0.00118**	**J**	0.00200	0.000355	mg/L		09/03/25 13:23	09/05/25 03:38	1
Iron	**0.749**		0.0200	0.00445	mg/L		09/03/25 13:23	09/05/25 03:38	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 13:23	09/05/25 03:38	1
Molybdenum	**0.000328**	**J**	0.00200	0.000255	mg/L		09/03/25 13:23	09/05/25 03:38	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 13:23	09/05/25 03:38	1
Thallium	**0.000775**	**J**	0.00200	0.000415	mg/L		09/03/25 13:23	09/05/25 03:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**127**		4.00	4.00	mg/L			09/02/25 12:00	1
Total Dissolved Solids (SM 2540C)	**10600**		50.0	50.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**5.8**	**HF**			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	**19.8**	**HF**			Celsius			09/03/25 13:31	1

Client Sample ID: FD-3
Lab Sample ID: 870-39461-6
Date Collected: 08/27/25 15:40
Matrix: Water
Date Received: 08/29/25 10:30

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	20.1	U G	33.4	33.4	50.0	74.9	pCi/L	09/04/25 09:49	09/28/25 15:16	1
Radium-228	14.9	U G	40.1	40.1	50.0	80.3	pCi/L	09/04/25 09:49	09/28/25 15:16	1
Combined Radium 226 + 228	35.0	U	52.2	52.2		80.3	pCi/L	09/04/25 09:49	09/28/25 15:16	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.38**		0.496	0.541	1.00	0.345	pCi/L	09/04/25 08:22	09/30/25 21:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**5.57**		1.05	1.17	1.00	0.960	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*
Y Carrier	*80.4*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*

Client Sample ID: FB-3
Lab Sample ID: 870-39461-7
Date Collected: 08/27/25 12:15
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/04/25 11:46	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/04/25 11:46	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/04/25 11:46	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:42	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/05/25 10:25	09/05/25 17:42	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:42	1
Potassium	**0.124**	**J**	0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:42	1
Sodium	**0.379**	**J**	0.500	0.152	mg/L		09/05/25 10:25	09/05/25 17:42	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/03/25 13:23	09/05/25 03:41	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 13:23	09/05/25 03:41	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/03/25 13:23	09/05/25 03:41	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/03/25 13:23	09/05/25 03:41	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 13:23	09/05/25 03:41	1

Client Sample ID: FB-3
Lab Sample ID: 870-39461-7
Date Collected: 08/27/25 12:15
Matrix: Water
Date Received: 08/29/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 13:23	09/05/25 03:41	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 13:23	09/05/25 03:41	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/03/25 13:23	09/05/25 03:41	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/03/25 13:23	09/05/25 03:41	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 13:23	09/05/25 03:41	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/03/25 13:23	09/05/25 03:41	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 13:23	09/05/25 03:41	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 13:23	09/05/25 03:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/02/25 12:06	1
Total Dissolved Solids (SM 2540C)	**873**		5.00	5.00	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**6.9**	**HF**			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	**20.6**	**HF**			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**28.3**		18.5	18.7	50.0	25.7	pCi/L	09/04/25 09:49	09/28/25 15:17	1
Radium-228	4.50	U G	11.1	11.1	50.0	60.2	pCi/L	09/04/25 09:49	09/28/25 15:17	1
Combined Radium 226 + 228	32.8	U	21.6	21.7		60.2	pCi/L	09/04/25 09:49	09/28/25 15:17	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0461	U	0.154	0.154	1.00	0.340	pCi/L	09/04/25 08:22	09/30/25 21:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.168	U	0.464	0.464	1.00	0.831	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*
Y Carrier	*78.1*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-39461-8

Date Collected: 08/27/25 13:20
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1570**		2.50	1.25	mg/L			09/04/25 15:33	5
Fluoride	<0.500	U	2.50	0.500	mg/L			09/04/25 15:33	5
Sulfate	**822**		2.50	1.00	mg/L			09/04/25 15:33	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.768**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:43	1
Calcium	**328**		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 17:52	50
Magnesium	**42.5**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:43	1
Potassium	**38.2**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:43	1
Sodium	**740**		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 17:52	50
Lithium	**0.284**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:43	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.729**		0.200	0.0352	mg/L		09/05/25 09:21	09/05/25 15:39	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		09/05/25 09:21	09/05/25 15:39	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/05/25 09:21	09/05/25 15:39	1
Barium	**0.0403**		0.0100	0.00125	mg/L		09/05/25 09:21	09/05/25 15:39	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/05/25 09:21	09/05/25 15:39	1
Boron	**0.887**		0.0500	0.0162	mg/L		09/05/25 09:21	09/05/25 15:39	1
Cadmium	**0.00156**	**J**	0.00500	0.000831	mg/L		09/05/25 09:21	09/05/25 15:39	1
Calcium	**421**		10.0	5.08	mg/L		09/05/25 09:21	09/05/25 15:46	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/05/25 09:21	09/05/25 15:39	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		09/05/25 09:21	09/05/25 15:39	1
Iron	**2.41**		0.200	0.0283	mg/L		09/05/25 09:21	09/05/25 15:39	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/05/25 09:21	09/05/25 15:39	1
Magnesium	**50.7**		0.200	0.0445	mg/L		09/05/25 09:21	09/05/25 15:39	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/05/25 09:21	09/05/25 15:39	1
Potassium	**45.2**		0.500	0.106	mg/L		09/05/25 09:21	09/05/25 15:39	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/05/25 09:21	09/05/25 15:39	1
Sodium	**1010**		25.0	7.59	mg/L		09/05/25 09:21	09/05/25 15:46	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/05/25 09:21	09/05/25 15:39	1
Li	**0.257**		0.0400	0.0174	mg/L		09/05/25 09:21	09/05/25 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.607**		0.0200	0.00549	mg/L		09/04/25 12:53	09/05/25 22:36	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 12:53	09/05/25 22:36	1
Arsenic	**0.00168**	**J**	0.00400	0.000690	mg/L		09/04/25 12:53	09/05/25 22:36	1
Barium	**0.0331**		0.00400	0.00134	mg/L		09/04/25 12:53	09/05/25 22:36	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 12:53	09/05/25 22:36	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 12:53	09/05/25 22:36	1
Chromium	**0.000603**	**J**	0.00400	0.000560	mg/L		09/04/25 12:53	09/05/25 22:36	1
Cobalt	**0.000402**	**J**	0.00200	0.000355	mg/L		09/04/25 12:53	09/05/25 22:36	1
Iron	**1.90**		0.0200	0.00445	mg/L		09/04/25 12:53	09/05/25 22:36	1
Lead	**0.000690**	**J**	0.00200	0.000367	mg/L		09/04/25 12:53	09/05/25 22:36	1
Molybdenum	**0.000569**	**J**	0.00200	0.000255	mg/L		09/04/25 12:53	09/05/25 22:36	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 12:53	09/05/25 22:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 12:53	09/05/25 22:36	1

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-39461-8
Date Collected: 08/27/25 13:20
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:14	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	213		4.00	4.00	mg/L			09/02/25 12:11	1
Total Dissolved Solids (SM 2540C)	4960		20.0	20.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	6.6	HF			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	20.7	HF			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-1.14	U G	41.2	41.2	50.0	70.5	pCi/L	09/04/25 09:49	09/28/25 15:18	1
Radium-228	-19.3	U G	32.0	32.1	50.0	59.9	pCi/L	09/04/25 09:49	09/28/25 15:18	1
Combined Radium 226 + 228	-20.4	U	52.2	52.2		70.5	pCi/L	09/04/25 09:49	09/28/25 15:18	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.664		0.408	0.412	1.00	0.527	pCi/L	09/04/25 08:22	09/30/25 21:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*61.0*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.58	G	1.03	1.04	1.00	1.48	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*61.0*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*
Y Carrier	*75.1*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:54*	*1*

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-39461-9
Date Collected: 08/27/25 16:05
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.133	J	0.500	0.100	mg/L			09/04/25 12:51	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	955		5.00	2.50	mg/L			09/04/25 12:59	10

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-39461-9

Date Collected: 08/27/25 16:05
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**738**		5.00	2.00	mg/L			09/04/25 12:59	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.19**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:45	1
Calcium	**149**		0.200	0.102	mg/L		09/05/25 10:25	09/05/25 17:45	1
Magnesium	**15.8**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:45	1
Potassium	**36.4**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:45	1
Sodium	**745**		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 17:54	50
Lithium	**0.328**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:45	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		09/05/25 09:21	09/05/25 15:37	1
Antimony	**0.0374**		0.0200	0.00803	mg/L		09/05/25 09:21	09/05/25 15:37	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/05/25 09:21	09/05/25 15:37	1
Barium	**0.0359**		0.0100	0.00125	mg/L		09/05/25 09:21	09/05/25 15:37	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/05/25 09:21	09/05/25 15:37	1
Boron	**1.24**		0.0500	0.0162	mg/L		09/05/25 09:21	09/05/25 15:37	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		09/05/25 09:21	09/05/25 15:37	1
Calcium	**189**		10.0	5.08	mg/L		09/05/25 09:21	09/05/25 15:44	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/05/25 09:21	09/05/25 15:37	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		09/05/25 09:21	09/05/25 15:37	1
Iron	**0.280**		0.200	0.0283	mg/L		09/05/25 09:21	09/05/25 15:37	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/05/25 09:21	09/05/25 15:37	1
Magnesium	**16.9**		0.200	0.0445	mg/L		09/05/25 09:21	09/05/25 15:37	1
Molybdenum	**0.00266**	**J**	0.0100	0.00260	mg/L		09/05/25 09:21	09/05/25 15:37	1
Potassium	**39.0**		0.500	0.106	mg/L		09/05/25 09:21	09/05/25 15:37	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/05/25 09:21	09/05/25 15:37	1
Sodium	**1050**		25.0	7.59	mg/L		09/05/25 09:21	09/05/25 15:44	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/05/25 09:21	09/05/25 15:37	1
Li	**0.312**		0.0400	0.0174	mg/L		09/05/25 09:21	09/05/25 15:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.280**		0.0200	0.00549	mg/L		09/03/25 13:23	09/05/25 03:44	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 13:23	09/05/25 03:44	1
Arsenic	**0.00185**	**J**	0.00400	0.000690	mg/L		09/03/25 13:23	09/05/25 03:44	1
Barium	**0.0339**		0.00400	0.00134	mg/L		09/03/25 13:23	09/05/25 03:44	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 13:23	09/05/25 03:44	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 13:23	09/05/25 03:44	1
Chromium	**0.000761**	**J**	0.00400	0.000560	mg/L		09/03/25 13:23	09/05/25 03:44	1
Cobalt	**0.000939**	**J**	0.00200	0.000355	mg/L		09/03/25 13:23	09/05/25 03:44	1
Iron	**0.676**		0.0200	0.00445	mg/L		09/03/25 13:23	09/05/25 03:44	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 13:23	09/05/25 03:44	1
Molybdenum	**0.00504**		0.00200	0.000255	mg/L		09/03/25 13:23	09/05/25 03:44	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 13:23	09/05/25 03:44	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 13:23	09/05/25 03:44	1

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-39461-9
Date Collected: 08/27/25 16:05
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:16	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	266		4.00	4.00	mg/L			09/02/25 12:17	1
Total Dissolved Solids (SM 2540C)	3590		20.0	20.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	7.2	HF			SU			09/03/25 13:31	1
Temperature (SM 4500 H+ B)	20.5	HF			Celsius			09/03/25 13:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	24.3		16.7	16.9	50.0	23.7	pCi/L	09/04/25 09:49	09/28/25 15:19	1
Radium-228	7.23	U	18.7	18.7	50.0	41.5	pCi/L	09/04/25 09:49	09/28/25 15:19	1
Combined Radium 226 + 228	31.5	U	25.1	25.2		41.5	pCi/L	09/04/25 09:49	09/28/25 15:19	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.344	U	0.266	0.267	1.00	0.387	pCi/L	09/04/25 08:22	09/30/25 21:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.889	U G	0.744	0.748	1.00	1.17	pCi/L	09/04/25 08:27	09/30/25 15:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:55*	*1*
Y Carrier	*84.5*		*30 - 110*	*09/04/25 08:27*	*09/30/25 15:55*	*1*

Client Sample ID: SFL MW-15
Lab Sample ID: 870-39461-10
Date Collected: 08/28/25 07:05
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2560		5.00	2.50	mg/L			09/04/25 16:37	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/04/25 16:37	10
Sulfate	1320		5.00	2.00	mg/L			09/04/25 16:37	10

Client Sample ID: SFL MW-15
Lab Sample ID: 870-39461-10

Date Collected: 08/28/25 07:05
Matrix: Water

Date Received: 08/29/25 10:30

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.355**		0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 17:59	1
Calcium	**630**		10.0	5.08	mg/L		09/05/25 10:25	09/05/25 18:07	50
Magnesium	**86.7**		0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 17:59	1
Potassium	**43.3**		0.500	0.106	mg/L		09/05/25 10:25	09/05/25 17:59	1
Sodium	**1230**		25.0	7.59	mg/L		09/05/25 10:25	09/05/25 18:07	50
Lithium	**0.184**		0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 17:59	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.439**		0.200	0.0352	mg/L		09/05/25 09:21	09/05/25 15:40	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		09/05/25 09:21	09/05/25 15:40	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/05/25 09:21	09/05/25 15:40	1
Barium	**0.0540**		0.0100	0.00125	mg/L		09/05/25 09:21	09/05/25 15:40	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/05/25 09:21	09/05/25 15:40	1
Boron	**0.341**		0.0500	0.0162	mg/L		09/05/25 09:21	09/05/25 15:40	1
Cadmium	**0.00312**	**J**	0.00500	0.000831	mg/L		09/05/25 09:21	09/05/25 15:40	1
Calcium	**650**		10.0	5.08	mg/L		09/05/25 09:21	09/05/25 15:47	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/05/25 09:21	09/05/25 15:40	1
Cobalt	**0.00308**	**J**	0.0100	0.00123	mg/L		09/05/25 09:21	09/05/25 15:40	1
Iron	**3.39**		0.200	0.0283	mg/L		09/05/25 09:21	09/05/25 15:40	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/05/25 09:21	09/05/25 15:40	1
Magnesium	**97.0**		10.0	2.22	mg/L		09/05/25 09:21	09/05/25 15:47	50
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/05/25 09:21	09/05/25 15:40	1
Potassium	**44.6**		0.500	0.106	mg/L		09/05/25 09:21	09/05/25 15:40	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/05/25 09:21	09/05/25 15:40	1
Sodium	**1410**		25.0	7.59	mg/L		09/05/25 09:21	09/05/25 15:47	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/05/25 09:21	09/05/25 15:40	1
Li	**0.0453**		0.0400	0.0174	mg/L		09/05/25 09:21	09/05/25 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/03/25 13:23	09/05/25 03:47	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 13:23	09/05/25 03:47	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/03/25 13:23	09/05/25 03:47	1
Barium	**0.0544**		0.00400	0.00134	mg/L		09/03/25 13:23	09/05/25 03:47	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 13:23	09/05/25 03:47	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 13:23	09/05/25 03:47	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 13:23	09/05/25 03:47	1
Cobalt	**0.00229**		0.00200	0.000355	mg/L		09/03/25 13:23	09/05/25 03:47	1
Iron	**1.09**		0.0200	0.00445	mg/L		09/03/25 13:23	09/05/25 03:47	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 13:23	09/05/25 03:47	1
Molybdenum	**0.00399**		0.00200	0.000255	mg/L		09/03/25 13:23	09/05/25 03:47	1
Selenium	**0.00123**	**J**	0.00200	0.000590	mg/L		09/03/25 13:23	09/05/25 03:47	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 13:23	09/05/25 03:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:17	1

Client Sample ID: SFL MW-15
Lab Sample ID: 870-39461-10
Date Collected: 08/28/25 07:05
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	187		4.00	4.00	mg/L			09/02/25 12:23	1
Total Dissolved Solids (SM 2540C)	7540		20.0	20.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	6.5	HF			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	21.0	HF			Celsius			09/04/25 14:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.95	U G	14.2	14.3	50.0	58.8	pCi/L	09/04/25 09:49	09/29/25 13:05	1
Radium-228	22.4	U	29.2	29.3	50.0	48.2	pCi/L	09/04/25 09:49	09/29/25 13:05	1
Combined Radium 226 + 228	30.4	U	32.5	32.6		58.8	pCi/L	09/04/25 09:49	09/29/25 13:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.85		0.491	0.518	1.00	0.429	pCi/L	09/04/25 08:22	09/30/25 21:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.1*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.05	G	1.02	1.08	1.00	1.11	pCi/L	09/04/25 08:27	09/30/25 16:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.1*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:11*	*1*
Y Carrier	*84.5*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:11*	*1*

Client Sample ID: SFL MW-4S
Lab Sample ID: 870-39461-11
Date Collected: 08/28/25 08:50
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3790		5.00	2.50	mg/L			09/04/25 15:49	10
Fluoride	<1.00	U	5.00	1.00	mg/L			09/04/25 15:49	10
Sulfate	2150		5.00	2.00	mg/L			09/04/25 15:49	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.85		0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 13:53	1
Calcium	1170		10.0	5.08	mg/L		09/04/25 12:56	09/05/25 13:58	50
Magnesium	323		10.0	2.22	mg/L		09/04/25 12:56	09/05/25 13:58	50

Client Sample ID: SFL MW-4S
Lab Sample ID: 870-39461-11

Date Collected: 08/28/25 08:50
Matrix: Water

Date Received: 08/29/25 10:30

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**79.2**		0.500	0.106	mg/L		09/04/25 12:56	09/05/25 13:53	1
Sodium	**1730**		25.0	7.59	mg/L		09/04/25 12:56	09/05/25 13:58	50
Lithium	**0.317**		0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4.11**		0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:32	1
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 10:09	09/05/25 17:10	5
Arsenic	**0.00543**		0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:32	1
Barium	**0.0588**		0.0200	0.00671	mg/L		09/04/25 10:09	09/05/25 17:10	5
Beryllium	**0.0554**		0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 05:32	1
Cadmium	**0.0391**		0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:32	1
Chromium	**0.00565**		0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:32	1
Cobalt	**0.126**		0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:32	1
Iron	**0.255**		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:32	1
Lead	**0.00188**	**J**	0.0100	0.00184	mg/L		09/04/25 10:09	09/05/25 17:10	5
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:32	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:32	1
Thallium	**0.00519**	**J**	0.0100	0.00208	mg/L		09/04/25 10:09	09/05/25 17:10	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/03/25 07:14	09/03/25 21:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/02/25 12:30	1
Total Dissolved Solids (SM 2540C)	**7960**		20.0	20.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**4.4**	**HF**			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	**22.2**	**HF**			Celsius			09/04/25 14:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	17.9	U	21.1	21.2	50.0	25.5	pCi/L	09/04/25 09:49	09/28/25 15:20	1
Radium-228	16.4	U G	34.3	34.4	50.0	55.1	pCi/L	09/04/25 09:49	09/28/25 15:20	1
Combined Radium 226 + 228	34.3	U	40.3	40.4		55.1	pCi/L	09/04/25 09:49	09/28/25 15:20	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.32**		0.464	0.508	1.00	0.311	pCi/L	09/04/25 08:22	09/30/25 21:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:03*	*1*

Client Sample ID: SFL MW-4S
Lab Sample ID: 870-39461-11
Date Collected: 08/28/25 08:50
Matrix: Water
Date Received: 08/29/25 10:30

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**6.73**		1.05	1.22	1.00	0.810	pCi/L	09/04/25 08:27	09/30/25 16:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:11*	*1*
Y Carrier	*86.7*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:11*	*1*

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-39461-12
Date Collected: 08/28/25 10:25
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1470**		2.50	1.25	mg/L			09/04/25 15:00	5
Fluoride	<0.500	U	2.50	0.500	mg/L			09/04/25 15:00	5
Sulfate	**1550**		2.50	1.00	mg/L			09/04/25 15:00	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**2.63**		0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 14:02	1
Calcium	**479**		10.0	5.08	mg/L		09/04/25 12:56	09/05/25 14:09	50
Magnesium	**56.3**		0.200	0.0445	mg/L		09/04/25 12:56	09/05/25 14:02	1
Potassium	**50.4**		0.500	0.106	mg/L		09/04/25 12:56	09/05/25 14:02	1
Sodium	**1050**		25.0	7.59	mg/L		09/04/25 12:56	09/05/25 14:09	50
Lithium	**0.296**		0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0664**		0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:35	1
Antimony	<0.00375	U	0.0100	0.00375	mg/L		09/04/25 10:09	09/05/25 17:14	5
Arsenic	**0.00479**		0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:35	1
Barium	**0.0253**		0.0200	0.00671	mg/L		09/04/25 10:09	09/05/25 17:14	5
Beryllium	**0.000843**	**J**	0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 05:35	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:35	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:35	1
Cobalt	**0.00927**		0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:35	1
Iron	**0.475**		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:35	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		09/04/25 10:09	09/05/25 17:14	5
Molybdenum	**0.000561**	**J**	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:35	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:35	1
Thallium	<0.00208	U	0.0100	0.00208	mg/L		09/04/25 10:09	09/05/25 17:14	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/03/25 07:14	09/03/25 21:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**61.4**		4.00	4.00	mg/L			09/02/25 12:34	1
Total Dissolved Solids (SM 2540C)	**5280**		20.0	20.0	mg/L			09/02/25 13:21	1

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-39461-12
Date Collected: 08/28/25 10:25
Matrix: Water
Date Received: 08/29/25 10:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	5.8	HF			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	21.9	HF			Celsius			09/04/25 14:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	11.4	U G	19.3	19.3	50.0	53.5	pCi/L	09/04/25 09:49	09/28/25 15:19	1
Radium-228	18.6	U G	38.7	38.8	50.0	62.2	pCi/L	09/04/25 09:49	09/28/25 15:19	1
Combined Radium 226 + 228	30.1	U	43.2	43.3		62.2	pCi/L	09/04/25 09:49	09/28/25 15:19	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.07		0.346	0.359	1.00	0.342	pCi/L	09/04/25 08:22	09/30/25 21:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.35		0.760	0.790	1.00	0.940	pCi/L	09/04/25 08:27	09/30/25 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:12*	*1*
Y Carrier	*89.3*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:12*	*1*

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-39461-13
Date Collected: 08/28/25 09:25
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		2.50	1.25	mg/L			09/04/25 14:44	5
Fluoride	<0.500	U	2.50	0.500	mg/L			09/04/25 14:44	5
Sulfate	237		2.50	1.00	mg/L			09/04/25 14:44	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.412		0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 14:03	1
Calcium	190		10.0	5.08	mg/L		09/04/25 12:56	09/05/25 14:11	50
Magnesium	26.3		0.200	0.0445	mg/L		09/04/25 12:56	09/05/25 14:03	1
Potassium	21.0		0.500	0.106	mg/L		09/04/25 12:56	09/05/25 14:03	1
Sodium	570		25.0	7.59	mg/L		09/04/25 12:56	09/05/25 14:11	50
Lithium	0.182		0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 14:03	1

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-39461-13

Date Collected: 08/28/25 09:25
Matrix: Water

Date Received: 08/29/25 10:30

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.76**		0.200	0.0352	mg/L		09/04/25 12:56	09/05/25 14:36	1
Antimony	**0.0294**		0.0200	0.00803	mg/L		09/04/25 12:56	09/05/25 14:36	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/04/25 12:56	09/05/25 14:36	1
Barium	**0.0440**		0.0100	0.00125	mg/L		09/04/25 12:56	09/05/25 14:36	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/04/25 12:56	09/05/25 14:36	1
Boron	**0.421**		0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 14:36	1
Cadmium	**0.00199**	**J**	0.00500	0.000831	mg/L		09/04/25 12:56	09/05/25 14:36	1
Calcium	**179**		10.0	5.08	mg/L		09/04/25 12:56	09/05/25 14:39	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/04/25 12:56	09/05/25 14:36	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		09/04/25 12:56	09/05/25 14:36	1
Iron	**1.32**		0.200	0.0283	mg/L		09/04/25 12:56	09/05/25 14:36	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/04/25 12:56	09/05/25 14:36	1
Magnesium	**27.1**		0.200	0.0445	mg/L		09/04/25 12:56	09/05/25 14:36	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/04/25 12:56	09/05/25 14:36	1
Potassium	**21.7**		0.500	0.106	mg/L		09/04/25 12:56	09/05/25 14:36	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/04/25 12:56	09/05/25 14:36	1
Sodium	**540**		25.0	7.59	mg/L		09/04/25 12:56	09/05/25 14:39	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/04/25 12:56	09/05/25 14:36	1
Li	**0.186**		0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.24**		0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:37	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 10:09	09/05/25 05:37	1
Arsenic	**0.00100**	**J**	0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:37	1
Barium	**0.0483**		0.00400	0.00134	mg/L		09/04/25 10:09	09/05/25 05:37	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 05:37	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:37	1
Chromium	**0.000999**	**J**	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:37	1
Cobalt	**0.000505**	**J**	0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:37	1
Iron	**1.20**		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:37	1
Lead	**0.00128**	**J**	0.00200	0.000367	mg/L		09/04/25 10:09	09/05/25 05:37	1
Molybdenum	**0.000505**	**J**	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:37	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:37	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 10:09	09/05/25 05:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/03/25 07:14	09/03/25 21:44	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**304**		4.00	4.00	mg/L			09/02/25 12:40	1
Total Dissolved Solids (SM 2540C)	**3620**		20.0	20.0	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**6.8**	**HF**			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	**20.1**	**HF**			Celsius			09/04/25 14:32	1

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-39461-13
Date Collected: 08/28/25 09:25
Matrix: Water
Date Received: 08/29/25 10:30

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**64.0**		23.9	24.7	50.0	27.9	pCi/L	09/04/25 09:49	09/28/25 16:20	1
Radium-228	22.9	U	27.6	27.7	50.0	40.2	pCi/L	09/04/25 09:49	09/28/25 16:20	1
Combined Radium 226 + 228	**86.9**		36.5	37.1		40.2	pCi/L	09/04/25 09:49	09/28/25 16:20	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.509	U	0.466	0.468	1.00	0.731	pCi/L	09/04/25 08:22	09/30/25 21:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.3*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.297	U G	0.896	0.896	1.00	1.59	pCi/L	09/04/25 08:27	09/30/25 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.3*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:12*	*1*
Y Carrier	*87.5*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:12*	*1*

Client Sample ID: AP MW-3D
Lab Sample ID: 870-39461-14
Date Collected: 08/28/25 12:00
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		0.500	0.250	mg/L			09/04/25 13:07	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/04/25 13:07	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**908**		5.00	2.00	mg/L			09/04/25 13:15	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.60**		0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 14:05	1
Calcium	**228**		10.0	5.08	mg/L		09/04/25 12:56	09/05/25 14:12	50
Magnesium	**25.5**		0.200	0.0445	mg/L		09/04/25 12:56	09/05/25 14:05	1
Potassium	**21.2**		0.500	0.106	mg/L		09/04/25 12:56	09/05/25 14:05	1
Sodium	**311**		25.0	7.59	mg/L		09/04/25 12:56	09/05/25 14:12	50
Lithium	**0.0795**		0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 14:05	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.494**		0.200	0.0352	mg/L		09/04/25 12:56	09/05/25 14:37	1
Antimony	**0.0122**	**J**	0.0200	0.00803	mg/L		09/04/25 12:56	09/05/25 14:37	1

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-3D
Lab Sample ID: 870-39461-14
Date Collected: 08/28/25 12:00
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0123		0.0100	0.00650	mg/L		09/04/25 12:56	09/05/25 14:37	1
Barium	0.0359		0.0100	0.00125	mg/L		09/04/25 12:56	09/05/25 14:37	1
Beryllium	0.00132	J	0.00400	0.00107	mg/L		09/04/25 12:56	09/05/25 14:37	1
Boron	1.62		0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 14:37	1
Cadmium	0.00280	J	0.00500	0.000831	mg/L		09/04/25 12:56	09/05/25 14:37	1
Calcium	226		10.0	5.08	mg/L		09/04/25 12:56	09/05/25 14:40	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/04/25 12:56	09/05/25 14:37	1
Cobalt	0.0362		0.0100	0.00123	mg/L		09/04/25 12:56	09/05/25 14:37	1
Iron	3.26		0.200	0.0283	mg/L		09/04/25 12:56	09/05/25 14:37	1
Lead	0.00374	J	0.0100	0.00368	mg/L		09/04/25 12:56	09/05/25 14:37	1
Magnesium	25.8		0.200	0.0445	mg/L		09/04/25 12:56	09/05/25 14:37	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/04/25 12:56	09/05/25 14:37	1
Potassium	21.4		0.500	0.106	mg/L		09/04/25 12:56	09/05/25 14:37	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/04/25 12:56	09/05/25 14:37	1
Sodium	310		25.0	7.59	mg/L		09/04/25 12:56	09/05/25 14:40	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/04/25 12:56	09/05/25 14:37	1
Li	0.0803		0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.575		0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:40	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 10:09	09/05/25 05:40	1
Arsenic	0.00831		0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:40	1
Barium	0.0337		0.00400	0.00134	mg/L		09/04/25 10:09	09/05/25 05:40	1
Beryllium	0.00123	J	0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 05:40	1
Cadmium	0.000392	J	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:40	1
Chromium	0.000892	J	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:40	1
Cobalt	0.0318		0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:40	1
Iron	2.93		0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:40	1
Lead	0.000670	J	0.00200	0.000367	mg/L		09/04/25 10:09	09/05/25 05:40	1
Molybdenum	0.000861	J	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:40	1
Selenium	0.00150	J	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:40	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 10:09	09/05/25 05:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/03/25 07:14	09/03/25 21:45	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 22:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	34.5		4.00	4.00	mg/L			09/02/25 12:46	1
Total Dissolved Solids (SM 2540C)	1830		5.00	5.00	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	5.4	HF			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	19.3	HF			Celsius			09/04/25 14:32	1

Client Sample ID: AP MW-3D
Lab Sample ID: 870-39461-14
Date Collected: 08/28/25 12:00
Matrix: Water
Date Received: 08/29/25 10:30

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**28.9**		18.9	19.1	50.0	25.8	pCi/L	09/04/25 09:49	09/28/25 16:21	1
Radium-228	16.1	U	28.0	28.0	50.0	48.2	pCi/L	09/04/25 09:49	09/28/25 16:21	1
Combined Radium 226 + 228	45.0	U	33.8	33.9		48.2	pCi/L	09/04/25 09:49	09/28/25 16:21	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.153	U	0.355	0.355	1.00	0.636	pCi/L	09/04/25 08:22	09/30/25 21:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.1*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.95**	**G**	1.11	1.12	1.00	1.60	pCi/L	09/04/25 08:27	09/30/25 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.1*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:12*	*1*
Y Carrier	*84.5*		*30 - 110*	*09/04/25 08:27*	*09/30/25 16:12*	*1*

Client Sample ID: FB-4
Lab Sample ID: 870-39461-15
Date Collected: 08/28/25 08:10
Matrix: Water
Date Received: 08/29/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/04/25 11:55	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/04/25 11:55	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/04/25 11:55	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 14:06	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/04/25 12:56	09/05/25 14:06	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/04/25 12:56	09/05/25 14:06	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/04/25 12:56	09/05/25 14:06	1
Sodium	**0.488**	**J**	0.500	0.152	mg/L		09/04/25 12:56	09/05/25 14:06	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 05:43	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 10:09	09/05/25 05:43	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 05:43	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/04/25 10:09	09/05/25 05:43	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 05:43	1

Client Sample ID: FB-4
Lab Sample ID: 870-39461-15
Date Collected: 08/28/25 08:10
Matrix: Water
Date Received: 08/29/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 05:43	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 05:43	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 05:43	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 05:43	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/04/25 10:09	09/05/25 05:43	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 05:43	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 05:43	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 10:09	09/05/25 05:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/03/25 07:14	09/03/25 21:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/02/25 14:04	1
Total Dissolved Solids (SM 2540C)	**6.50**		2.50	2.50	mg/L			09/02/25 13:21	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	**19.3**	**HF**			Celsius			09/04/25 14:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**292**		42.6	51.4	50.0	34.4	pCi/L	09/04/25 09:49	09/28/25 16:21	1
Radium-228	14.9	U G	32.7	32.7	50.0	59.9	pCi/L	09/04/25 09:49	09/28/25 16:21	1
Combined Radium 226 + 228	**307**		53.7	60.9		59.9	pCi/L	09/04/25 09:49	09/28/25 16:21	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.127	U	0.188	0.189	1.00	0.322	pCi/L	09/04/25 08:22	09/30/25 21:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*09/04/25 08:22*	*09/30/25 21:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.262	U	0.327	0.328	1.00	0.543	pCi/L	09/04/25 08:27	09/30/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*09/04/25 08:27*	*09/30/25 12:09*	*1*
Y Carrier	*86.0*		*30 - 110*	*09/04/25 08:27*	*09/30/25 12:09*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-39461-1	SFL MW-1 (cont)	79.3
870-39461-2	SFL MW-8S	87.8
870-39461-3	SFL MW-8D	85.4
870-39461-4	SFL MNW-15D	85.6
870-39461-5	SFL MW-7S	85.4
870-39461-6	FD-3	83.2
870-39461-7	FB-3	85.6
870-39461-8	SFL MW-3D	61.0
870-39461-9	SFL MW-5D	99.0
870-39461-10	SFL MW-15	75.1
870-39461-11	SFL MW-4S	91.7
870-39461-12	SFL MW-2D	89.0
870-39461-13	SSP MW-5D	66.3
870-39461-14	AP MW-3D	66.1
870-39461-15	FB-4	87.3
LCS 160-734790/2-A	Lab Control Sample	86.3
MB 160-734790/1-A	Method Blank	88.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-39461-1	SFL MW-1 (cont)	79.3	80.7
870-39461-2	SFL MW-8S	87.8	83.7
870-39461-3	SFL MW-8D	85.4	87.5
870-39461-4	SFL MNW-15D	85.6	85.2
870-39461-5	SFL MW-7S	85.4	81.9
870-39461-6	FD-3	83.2	80.4
870-39461-7	FB-3	85.6	78.1
870-39461-8	SFL MW-3D	61.0	75.1
870-39461-9	SFL MW-5D	99.0	84.5
870-39461-10	SFL MW-15	75.1	84.5
870-39461-11	SFL MW-4S	91.7	86.7
870-39461-12	SFL MW-2D	89.0	89.3
870-39461-13	SSP MW-5D	66.3	87.5
870-39461-14	AP MW-3D	66.1	84.5
870-39461-15	FB-4	87.3	86.0
LCS 160-734791/2-A	Lab Control Sample	86.3	81.9
MB 160-734791/1-A	Method Blank	88.3	83.4

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-259716/3
Matrix: Water
Analysis Batch: 259716

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/04/25 10:42	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/04/25 10:42	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/04/25 10:42	1

Lab Sample ID: LCS 860-259716/4
Matrix: Water
Analysis Batch: 259716

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.614		mg/L		96	90 - 110
Fluoride	10.0	10.12		mg/L		101	90 - 110
Sulfate	10.0	10.13		mg/L		101	90 - 110

Lab Sample ID: LCSD 860-259716/5
Matrix: Water
Analysis Batch: 259716

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
Chloride	10.0	9.628		mg/L		96	90 - 110	0	20
Fluoride	10.0	10.12		mg/L		101	90 - 110	0	20
Sulfate	10.0	10.16		mg/L		102	90 - 110	0	20

Lab Sample ID: LLCS 860-259716/7
Matrix: Water
Analysis Batch: 259716

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.3775	J	mg/L		75	50 - 150
Fluoride	0.500	0.2795	J	mg/L		56	50 - 150
Sulfate	0.500	0.3386	J	mg/L		68	50 - 150

Lab Sample ID: 870-39461-2 MS
Matrix: Water
Analysis Batch: 259716

Client Sample ID: SFL MW-8S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.688		10.0	10.49		mg/L		98	90 - 110

Lab Sample ID: 870-39461-2 MSD
Matrix: Water
Analysis Batch: 259716

Client Sample ID: SFL MW-8S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.688		10.0	10.57		mg/L		99	90 - 110	1	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-260099/3
Matrix: Water
Analysis Batch: 260099

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/05/25 11:16	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/05/25 11:16	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/05/25 11:16	1

Lab Sample ID: LCS 860-260099/4
Matrix: Water
Analysis Batch: 260099

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.839		mg/L		98	90 - 110
Fluoride	10.0	9.686		mg/L		97	90 - 110
Sulfate	10.0	9.153		mg/L		92	90 - 110

Lab Sample ID: LCSD 860-260099/5
Matrix: Water
Analysis Batch: 260099

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
Chloride	10.0	9.889		mg/L		99	90 - 110	1	20
Fluoride	10.0	9.805		mg/L		98	90 - 110	1	20
Sulfate	10.0	9.311		mg/L		93	90 - 110	2	20

Lab Sample ID: LLCS 860-260099/7
Matrix: Water
Analysis Batch: 260099

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.7437		mg/L		149	50 - 150
Fluoride	0.500	0.5019		mg/L		100	50 - 150
Sulfate	0.500	0.5549		mg/L		111	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-259846/1-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		09/04/25 12:56	09/05/25 13:27	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		09/04/25 12:56	09/05/25 13:27	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/04/25 12:56	09/05/25 13:27	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		09/04/25 12:56	09/05/25 13:27	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/04/25 12:56	09/05/25 13:27	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/04/25 12:56	09/05/25 13:27	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		09/04/25 12:56	09/05/25 13:27	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/04/25 12:56	09/05/25 13:27	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/04/25 12:56	09/05/25 13:27	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		09/04/25 12:56	09/05/25 13:27	1
Iron	<0.0283	U	0.200	0.0283	mg/L		09/04/25 12:56	09/05/25 13:27	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/04/25 12:56	09/05/25 13:27	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-259846/1-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/04/25 12:56	09/05/25 13:27	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/04/25 12:56	09/05/25 13:27	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/04/25 12:56	09/05/25 13:27	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/04/25 12:56	09/05/25 13:27	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/04/25 12:56	09/05/25 13:27	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/04/25 12:56	09/05/25 13:27	1
Li	<0.0174	U	0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 13:27	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/04/25 12:56	09/05/25 13:27	1

Lab Sample ID: LCS 860-259846/2-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.180		mg/L		104	80 - 120
Antimony	1.00	0.8930		mg/L		89	80 - 120
Arsenic	1.00	1.030		mg/L		103	80 - 120
Barium	1.00	1.030		mg/L		103	80 - 120
Beryllium	1.00	1.030		mg/L		103	80 - 120
Boron	1.00	1.030		mg/L		103	80 - 120
Cadmium	1.00	0.9820		mg/L		98	80 - 120
Calcium	25.0	25.60		mg/L		102	80 - 120
Chromium	1.00	1.020		mg/L		102	80 - 120
Cobalt	1.00	0.9950		mg/L		100	80 - 120
Iron	5.00	5.090		mg/L		102	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120
Magnesium	25.0	24.90		mg/L		100	80 - 120
Molybdenum	1.00	1.010		mg/L		101	80 - 120
Potassium	10.0	10.20		mg/L		102	80 - 120
Selenium	1.00	1.090		mg/L		109	80 - 120
Sodium	25.0	25.20		mg/L		101	80 - 120
Thallium	1.00	1.060		mg/L		106	80 - 120
Li	1.00	0.9270		mg/L		93	80 - 120
Lithium	1.00	0.9270		mg/L		93	80 - 120

Lab Sample ID: LCSD 860-259846/3-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.190		mg/L		104	80 - 120	0	20
Antimony	1.00	0.9650		mg/L		97	80 - 120	8	20
Arsenic	1.00	1.020		mg/L		102	80 - 120	1	20
Barium	1.00	1.030		mg/L		103	80 - 120	0	20
Beryllium	1.00	1.030		mg/L		103	80 - 120	0	20
Boron	1.00	1.030		mg/L		103	80 - 120	0	20
Cadmium	1.00	0.9860		mg/L		99	80 - 120	0	20
Calcium	25.0	25.60		mg/L		102	80 - 120	0	20
Chromium	1.00	1.020		mg/L		102	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-259846/3-A
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	1.00	0.9950		mg/L		100	80 - 120	0	20
Iron	5.00	5.100		mg/L		102	80 - 120	0	20
Lead	1.00	1.010		mg/L		101	80 - 120	0	20
Magnesium	25.0	25.00		mg/L		100	80 - 120	0	20
Molybdenum	1.00	1.020		mg/L		102	80 - 120	1	20
Potassium	10.0	10.30		mg/L		103	80 - 120	1	20
Selenium	1.00	1.100		mg/L		110	80 - 120	1	20
Sodium	25.0	25.30		mg/L		101	80 - 120	0	20
Thallium	1.00	1.060		mg/L		106	80 - 120	0	20
Li	1.00	0.9300		mg/L		93	80 - 120	0	20
Lithium	1.00	0.9300		mg/L		93	80 - 120	0	20

Lab Sample ID: MB 860-260081/1-A
Matrix: Water
Analysis Batch: 260233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/05/25 10:25	09/05/25 16:58	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/05/25 10:25	09/05/25 16:58	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/05/25 10:25	09/05/25 16:58	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/05/25 10:25	09/05/25 16:58	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/05/25 10:25	09/05/25 16:58	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/05/25 10:25	09/05/25 16:58	1

Lab Sample ID: LCS 860-260081/2-A
Matrix: Water
Analysis Batch: 260233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.040		mg/L		104	80 - 120
Calcium	25.0	25.70		mg/L		103	80 - 120
Magnesium	25.0	25.50		mg/L		102	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Sodium	25.0	25.10		mg/L		100	80 - 120
Lithium	1.00	1.030		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-260081/3-A
Matrix: Water
Analysis Batch: 260233

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.040		mg/L		104	80 - 120	0	20
Calcium	25.0	25.60		mg/L		102	80 - 120	0	20
Magnesium	25.0	25.40		mg/L		102	80 - 120	0	20
Potassium	10.0	10.00		mg/L		100	80 - 120	1	20
Sodium	25.0	24.90		mg/L		100	80 - 120	1	20
Lithium	1.00	1.020		mg/L		102	80 - 120	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-259967/8-B
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 260043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		09/05/25 09:21	09/05/25 15:21	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		09/05/25 09:21	09/05/25 15:21	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		09/05/25 09:21	09/05/25 15:21	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		09/05/25 09:21	09/05/25 15:21	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		09/05/25 09:21	09/05/25 15:21	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/05/25 09:21	09/05/25 15:21	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		09/05/25 09:21	09/05/25 15:21	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/05/25 09:21	09/05/25 15:21	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		09/05/25 09:21	09/05/25 15:21	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		09/05/25 09:21	09/05/25 15:21	1
Iron	<0.0283	U	0.200	0.0283	mg/L		09/05/25 09:21	09/05/25 15:21	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		09/05/25 09:21	09/05/25 15:21	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/05/25 09:21	09/05/25 15:21	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		09/05/25 09:21	09/05/25 15:21	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/05/25 09:21	09/05/25 15:21	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		09/05/25 09:21	09/05/25 15:21	1
Sodium	<0.152	U	0.500	0.152	mg/L		09/05/25 09:21	09/05/25 15:21	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		09/05/25 09:21	09/05/25 15:21	1
Li	<0.0174	U	0.0400	0.0174	mg/L		09/05/25 09:21	09/05/25 15:21	1

Lab Sample ID: LCS 860-259967/9-B
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 260043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.190		mg/L		104	80 - 120
Antimony	1.00	0.8870		mg/L		89	80 - 120
Arsenic	1.00	1.020		mg/L		102	80 - 120
Barium	1.00	1.030		mg/L		103	80 - 120
Beryllium	1.00	1.030		mg/L		103	80 - 120
Boron	1.00	1.020		mg/L		102	80 - 120
Cadmium	1.00	0.9860		mg/L		99	80 - 120
Calcium	25.0	25.40		mg/L		102	80 - 120
Chromium	1.00	1.020		mg/L		102	80 - 120
Cobalt	1.00	0.9960		mg/L		100	80 - 120
Iron	5.00	5.070		mg/L		101	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120
Magnesium	25.0	24.70		mg/L		99	80 - 120
Molybdenum	1.00	1.000		mg/L		100	80 - 120
Potassium	10.0	10.20		mg/L		102	80 - 120
Selenium	1.00	1.080		mg/L		108	80 - 120
Sodium	25.0	25.10		mg/L		100	80 - 120
Thallium	1.00	1.070		mg/L		107	80 - 120
Li	1.00	0.9350		mg/L		94	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-259967/10-B
Matrix: Water
Analysis Batch: 260168

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 260043

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			5.00	5.190		mg/L		104	80 - 120	0	20
Antimony			1.00	0.9610		mg/L		96	80 - 120	8	20
Arsenic			1.00	1.030		mg/L		103	80 - 120	1	20
Barium			1.00	1.030		mg/L		103	80 - 120	0	20
Beryllium			1.00	1.030		mg/L		103	80 - 120	0	20
Boron			1.00	1.020		mg/L		102	80 - 120	0	20
Cadmium			1.00	0.9900		mg/L		99	80 - 120	0	20
Calcium			25.0	25.40		mg/L		102	80 - 120	0	20
Chromium			1.00	1.020		mg/L		102	80 - 120	0	20
Cobalt			1.00	0.9980		mg/L		100	80 - 120	0	20
Iron			5.00	5.070		mg/L		101	80 - 120	0	20
Lead			1.00	1.020		mg/L		102	80 - 120	1	20
Magnesium			25.0	24.70		mg/L		99	80 - 120	0	20
Molybdenum			1.00	1.020		mg/L		102	80 - 120	2	20
Potassium			10.0	10.20		mg/L		102	80 - 120	0	20
Selenium			1.00	1.090		mg/L		109	80 - 120	1	20
Sodium			25.0	25.10		mg/L		100	80 - 120	0	20
Thallium			1.00	1.060		mg/L		106	80 - 120	1	20
Li			1.00	0.9350		mg/L		94	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-259545/1-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259545

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/03/25 13:23	09/05/25 02:03	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/03/25 13:23	09/05/25 02:03	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/03/25 13:23	09/05/25 02:03	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/03/25 13:23	09/05/25 02:03	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/03/25 13:23	09/05/25 02:03	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/03/25 13:23	09/05/25 02:03	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/03/25 13:23	09/05/25 02:03	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/03/25 13:23	09/05/25 02:03	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/03/25 13:23	09/05/25 02:03	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/03/25 13:23	09/05/25 02:03	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/03/25 13:23	09/05/25 02:03	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/03/25 13:23	09/05/25 02:03	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/03/25 13:23	09/05/25 02:03	1

Lab Sample ID: LCS 860-259545/2-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259545

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum			0.500	0.5133		mg/L		103	80 - 120		
Antimony			0.100	0.1011		mg/L		101	80 - 120		
Arsenic			0.100	0.1020		mg/L		102	80 - 120		

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

Lab Sample ID: LCS 860-259545/2-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.1006		mg/L		101	80 - 120
Beryllium	0.100	0.09679		mg/L		97	80 - 120
Cadmium	0.100	0.1005		mg/L		101	80 - 120
Chromium	0.100	0.1022		mg/L		102	80 - 120
Cobalt	0.100	0.1011		mg/L		101	80 - 120
Iron	0.500	0.5079		mg/L		102	80 - 120
Lead	0.100	0.1009		mg/L		101	80 - 120
Molybdenum	0.100	0.09721		mg/L		97	80 - 120
Selenium	0.100	0.1020		mg/L		102	80 - 120
Thallium	0.100	0.1030		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-259545/3-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259545

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4985		mg/L		100	80 - 120	3	20
Antimony	0.100	0.1033		mg/L		103	80 - 120	2	20
Arsenic	0.100	0.1007		mg/L		101	80 - 120	1	20
Barium	0.100	0.1002		mg/L		100	80 - 120	0	20
Beryllium	0.100	0.09647		mg/L		96	80 - 120	0	20
Cadmium	0.100	0.1004		mg/L		100	80 - 120	0	20
Chromium	0.100	0.1015		mg/L		102	80 - 120	1	20
Cobalt	0.100	0.1005		mg/L		101	80 - 120	1	20
Iron	0.500	0.5027		mg/L		101	80 - 120	1	20
Lead	0.100	0.1008		mg/L		101	80 - 120	0	20
Molybdenum	0.100	0.09739		mg/L		97	80 - 120	0	20
Selenium	0.100	0.1012		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1032		mg/L		103	80 - 120	0	20

Lab Sample ID: 870-39461-2 MS
Matrix: Water
Analysis Batch: 260108

Client Sample ID: SFL MW-8S
Prep Type: Total/NA
Prep Batch: 259545

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	8.97		0.500	9.674	4	mg/L		141	75 - 125
Antimony	0.00316		0.100	0.1065		mg/L		103	75 - 125
Arsenic	0.00973		0.100	0.09870		mg/L		89	75 - 125
Barium	0.0284		0.100	0.1345		mg/L		106	75 - 125
Beryllium	0.0395		0.100	0.1326		mg/L		93	75 - 125
Cadmium	0.00408		0.100	0.08641		mg/L		82	75 - 125
Chromium	0.000856	J	0.100	0.08822		mg/L		87	75 - 125
Cobalt	0.114		0.100	0.1997		mg/L		86	75 - 125
Lead	0.0164		0.100	0.1196		mg/L		103	75 - 125
Molybdenum	0.000493	J	0.100	0.08722		mg/L		87	75 - 125
Selenium	0.000745	J	0.100	0.09736		mg/L		97	75 - 125
Thallium	0.00295		0.100	0.1086		mg/L		106	75 - 125

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

Lab Sample ID: 870-39461-2 MS
Matrix: Water
Analysis Batch: 260108

Client Sample ID: SFL MW-8S
Prep Type: Total/NA
Prep Batch: 259545

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	22.7		0.500	23.65	4	mg/L		196	75 - 125

Lab Sample ID: 870-39461-2 MSD
Matrix: Water
Analysis Batch: 260108

Client Sample ID: SFL MW-8S
Prep Type: Total/NA
Prep Batch: 259545

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	8.97		0.500	9.423	4	mg/L		90	75 - 125	3	20
Antimony	0.00316		0.100	0.1103		mg/L		107	75 - 125	3	20
Arsenic	0.00973		0.100	0.09729		mg/L		88	75 - 125	1	20
Barium	0.0284		0.100	0.1387		mg/L		110	75 - 125	3	20
Beryllium	0.0395		0.100	0.1322		mg/L		93	75 - 125	0	20
Cadmium	0.00408		0.100	0.08547		mg/L		81	75 - 125	1	20
Chromium	0.000856	J	0.100	0.08666		mg/L		86	75 - 125	2	20
Cobalt	0.114		0.100	0.1938		mg/L		80	75 - 125	3	20
Lead	0.0164		0.100	0.1239		mg/L		108	75 - 125	4	20
Molybdenum	0.000493	J	0.100	0.08706		mg/L		87	75 - 125	0	20
Selenium	0.000745	J	0.100	0.09854		mg/L		98	75 - 125	1	20
Thallium	0.00295		0.100	0.1130		mg/L		110	75 - 125	4	20

Lab Sample ID: 870-39461-2 MSD
Matrix: Water
Analysis Batch: 260108

Client Sample ID: SFL MW-8S
Prep Type: Total/NA
Prep Batch: 259545

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	22.7		0.500	22.77	4	mg/L		19	75 - 125	4	20

Lab Sample ID: MB 860-259747/1-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259747

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/04/25 10:09	09/05/25 04:32	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 10:09	09/05/25 04:32	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/04/25 10:09	09/05/25 04:32	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/04/25 10:09	09/05/25 04:32	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 10:09	09/05/25 04:32	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 10:09	09/05/25 04:32	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 10:09	09/05/25 04:32	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/04/25 10:09	09/05/25 04:32	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/04/25 10:09	09/05/25 04:32	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/04/25 10:09	09/05/25 04:32	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 10:09	09/05/25 04:32	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 10:09	09/05/25 04:32	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 10:09	09/05/25 04:32	1

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

Lab Sample ID: LCS 860-259747/2-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5166		mg/L		103	80 - 120
Antimony	0.100	0.09996		mg/L		100	80 - 120
Arsenic	0.100	0.1022		mg/L		102	80 - 120
Barium	0.100	0.1016		mg/L		102	80 - 120
Beryllium	0.100	0.09977		mg/L		100	80 - 120
Cadmium	0.100	0.1027		mg/L		103	80 - 120
Chromium	0.100	0.1020		mg/L		102	80 - 120
Cobalt	0.100	0.1014		mg/L		101	80 - 120
Iron	0.500	0.5093		mg/L		102	80 - 120
Lead	0.100	0.1011		mg/L		101	80 - 120
Molybdenum	0.100	0.09921		mg/L		99	80 - 120
Selenium	0.100	0.1005		mg/L		100	80 - 120
Thallium	0.100	0.1033		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-259747/3-A
Matrix: Water
Analysis Batch: 260108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259747

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5189		mg/L		104	80 - 120	0	20
Antimony	0.100	0.1028		mg/L		103	80 - 120	3	20
Arsenic	0.100	0.1003		mg/L		100	80 - 120	2	20
Barium	0.100	0.1017		mg/L		102	80 - 120	0	20
Beryllium	0.100	0.09954		mg/L		100	80 - 120	0	20
Cadmium	0.100	0.1012		mg/L		101	80 - 120	2	20
Chromium	0.100	0.1006		mg/L		101	80 - 120	1	20
Cobalt	0.100	0.09936		mg/L		99	80 - 120	2	20
Iron	0.500	0.5020		mg/L		100	80 - 120	1	20
Lead	0.100	0.1019		mg/L		102	80 - 120	1	20
Molybdenum	0.100	0.09806		mg/L		98	80 - 120	1	20
Selenium	0.100	0.1013		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1039		mg/L		104	80 - 120	1	20

Lab Sample ID: MB 860-259844/1-A
Matrix: Water
Analysis Batch: 260518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/04/25 12:52	09/05/25 20:57	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/04/25 12:52	09/05/25 20:57	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/04/25 12:52	09/05/25 20:57	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/04/25 12:52	09/05/25 20:57	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/04/25 12:52	09/05/25 20:57	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/04/25 12:52	09/05/25 20:57	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/04/25 12:52	09/05/25 20:57	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/04/25 12:52	09/05/25 20:57	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/04/25 12:52	09/05/25 20:57	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/04/25 12:52	09/05/25 20:57	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/04/25 12:52	09/05/25 20:57	1

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

Lab Sample ID: MB 860-259844/1-A
Matrix: Water
Analysis Batch: 260518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/04/25 12:52	09/05/25 20:57	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/04/25 12:52	09/05/25 20:57	1

Lab Sample ID: LCS 860-259844/2-A
Matrix: Water
Analysis Batch: 260518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5138		mg/L		103	80 - 120
Antimony	0.100	0.1007		mg/L		101	80 - 120
Arsenic	0.100	0.1008		mg/L		101	80 - 120
Barium	0.100	0.1012		mg/L		101	80 - 120
Beryllium	0.100	0.09838		mg/L		98	80 - 120
Cadmium	0.100	0.1009		mg/L		101	80 - 120
Chromium	0.100	0.1006		mg/L		101	80 - 120
Cobalt	0.100	0.09983		mg/L		100	80 - 120
Iron	0.500	0.5043		mg/L		101	80 - 120
Lead	0.100	0.1012		mg/L		101	80 - 120
Molybdenum	0.100	0.09689		mg/L		97	80 - 120
Selenium	0.100	0.09987		mg/L		100	80 - 120
Thallium	0.100	0.1031		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-259844/3-A
Matrix: Water
Analysis Batch: 260518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4956		mg/L		99	80 - 120	4	20
Antimony	0.100	0.1021		mg/L		102	80 - 120	1	20
Arsenic	0.100	0.1003		mg/L		100	80 - 120	1	20
Barium	0.100	0.1008		mg/L		101	80 - 120	0	20
Beryllium	0.100	0.09836		mg/L		98	80 - 120	0	20
Cadmium	0.100	0.09968		mg/L		100	80 - 120	1	20
Chromium	0.100	0.09912		mg/L		99	80 - 120	1	20
Cobalt	0.100	0.09904		mg/L		99	80 - 120	1	20
Iron	0.500	0.4996		mg/L		100	80 - 120	1	20
Lead	0.100	0.1011		mg/L		101	80 - 120	0	20
Molybdenum	0.100	0.09697		mg/L		97	80 - 120	0	20
Selenium	0.100	0.09933		mg/L		99	80 - 120	1	20
Thallium	0.100	0.1036		mg/L		104	80 - 120	0	20

Lab Sample ID: MB 860-260042/1-A
Matrix: Water
Analysis Batch: 260519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/05/25 09:16	09/06/25 00:19	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/05/25 09:16	09/06/25 00:19	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/05/25 09:16	09/06/25 00:19	1

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

Lab Sample ID: MB 860-260042/1-A
Matrix: Water
Analysis Batch: 260519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/05/25 09:16	09/06/25 00:19	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/05/25 09:16	09/06/25 00:19	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/05/25 09:16	09/06/25 00:19	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/05/25 09:16	09/06/25 00:19	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/05/25 09:16	09/06/25 00:19	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/05/25 09:16	09/06/25 00:19	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/05/25 09:16	09/06/25 00:19	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/05/25 09:16	09/06/25 00:19	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/05/25 09:16	09/06/25 00:19	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/05/25 09:16	09/06/25 00:19	1

Lab Sample ID: LCS 860-260042/2-A
Matrix: Water
Analysis Batch: 260519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5131		mg/L		103	80 - 120
Antimony	0.100	0.09976		mg/L		100	80 - 120
Arsenic	0.100	0.1003		mg/L		100	80 - 120
Barium	0.100	0.09983		mg/L		100	80 - 120
Beryllium	0.100	0.09677		mg/L		97	80 - 120
Cadmium	0.100	0.09985		mg/L		100	80 - 120
Chromium	0.100	0.1004		mg/L		100	80 - 120
Cobalt	0.100	0.1000		mg/L		100	80 - 120
Iron	0.500	0.5048		mg/L		101	80 - 120
Lead	0.100	0.1000		mg/L		100	80 - 120
Molybdenum	0.100	0.09658		mg/L		97	80 - 120
Selenium	0.100	0.1001		mg/L		100	80 - 120
Thallium	0.100	0.1019		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-260042/3-A
Matrix: Water
Analysis Batch: 260519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260042

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5026		mg/L		101	80 - 120	2	20
Antimony	0.100	0.1022		mg/L		102	80 - 120	2	20
Arsenic	0.100	0.09997		mg/L		100	80 - 120	0	20
Barium	0.100	0.09961		mg/L		100	80 - 120	0	20
Beryllium	0.100	0.09628		mg/L		96	80 - 120	1	20
Cadmium	0.100	0.1001		mg/L		100	80 - 120	0	20
Chromium	0.100	0.09924		mg/L		99	80 - 120	1	20
Cobalt	0.100	0.09922		mg/L		99	80 - 120	1	20
Iron	0.500	0.4996		mg/L		100	80 - 120	1	20
Lead	0.100	0.1007		mg/L		101	80 - 120	1	20
Molybdenum	0.100	0.09688		mg/L		97	80 - 120	0	20
Selenium	0.100	0.1012		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1027		mg/L		103	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-259087/1-A
Matrix: Water
Analysis Batch: 259380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/02/25 08:37	09/02/25 21:41	1

Lab Sample ID: LCS 860-259087/2-A
Matrix: Water
Analysis Batch: 259380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001771		mg/L		89	80 - 120

Lab Sample ID: LCSD 860-259087/3-A
Matrix: Water
Analysis Batch: 259380

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001830		mg/L		91	80 - 120	3	20

Lab Sample ID: MB 860-259385/1-A
Matrix: Water
Analysis Batch: 259693

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/03/25 07:14	09/03/25 21:07	1

Lab Sample ID: LCS 860-259385/2-A
Matrix: Water
Analysis Batch: 259693

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.002050		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-259385/3-A
Matrix: Water
Analysis Batch: 259693

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259385

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002071		mg/L		104	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-259341/3
Matrix: Water
Analysis Batch: 259341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			09/02/25 10:50	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 860-259341/4
Matrix: Water
Analysis Batch: 259341

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	257.6		mg/L		103	85 - 115		

Lab Sample ID: LCSD 860-259341/5
Matrix: Water
Analysis Batch: 259341

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
Alkalinity			250	254.7		mg/L		102	85 - 115	1	20

Lab Sample ID: 870-39461-1 DU
Matrix: Water
Analysis Batch: 259341

Client Sample ID: SFL MW-1 (cont)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	<4.00	U		<4.00	U	mg/L				NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-31446/1
Matrix: Water
Analysis Batch: 31446

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			09/02/25 13:21	1

Lab Sample ID: LCS 870-31446/2
Matrix: Water
Analysis Batch: 31446

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1008		mg/L		101	80 - 120		

Lab Sample ID: LCSD 870-31446/3
Matrix: Water
Analysis Batch: 31446

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
Total Dissolved Solids			1000	977.0		mg/L		98	80 - 120	3	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-39461-9 DU
Matrix: Water
Analysis Batch: 31480

Client Sample ID: SFL MW-5D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.2	HF		7.2		SU				0.3	20
Temperature	20.5	HF		20.5		Celsius				0	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-734800/1-A
Matrix: Water
Analysis Batch: 738031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734800

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	43.25		22.7	23.1	50.0	22.8	pCi/L	09/04/25 09:49	09/28/25 14:02	1
Radium-228	13.52	U	24.3	24.3	50.0	44.0	pCi/L	09/04/25 09:49	09/28/25 14:02	1
Combined Radium 226 + 228	56.77		33.3	33.5		44.0	pCi/L	09/04/25 09:49	09/28/25 14:02	1

Lab Sample ID: LCS 160-734800/2-A
Matrix: Water
Analysis Batch: 738033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734800

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Americium-241			142000	138900		15100		1020	pCi/L	98	75 - 125		
Cesium-137			37700	38160		3790		168	pCi/L	101	75 - 125		
Cobalt-60			51300	49590		4830		107	pCi/L	97	75 - 125		

Lab Sample ID: 870-39461-1 DU
Matrix: Water
Analysis Batch: 738031

Client Sample ID: SFL MW-1 (cont)
Prep Type: Total/NA
Prep Batch: 734800

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	45.0			3.318	U G	11.1	50.0	53.4	pCi/L			0.87	1
Radium-228	27.9	U G		15.57	U	29.9	50.0	47.5	pCi/L			0.16	1
Combined Radium 226 + 228	72.9			18.89	U	31.9		53.4	pCi/L			0.59	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-734790/1-A
Matrix: Water
Analysis Batch: 738387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734790

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.002239	U	0.176	0.176	1.00	0.357	pCi/L	09/04/25 08:22	09/30/25 18:53	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*09/04/25 08:22*	*09/30/25 18:53*	*1*

Lab Sample ID: LCS 160-734790/2-A
Matrix: Water
Analysis Batch: 738387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734790

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.522		1.20	1.00	0.459	pCi/L	89	75 - 125		

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-734790/2-A
Matrix: Water
Analysis Batch: 738387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734790

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.3		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-734791/1-A
Matrix: Water
Analysis Batch: 738401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734791

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.003435	U	0.489	0.489	1.00	0.908	pCi/L	09/04/25 08:27	09/30/25 15:54	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110	09/04/25 08:27	09/30/25 15:54	1
Y Carrier	83.4		30 - 110	09/04/25 08:27	09/30/25 15:54	1

Lab Sample ID: LCS 160-734791/2-A
Matrix: Water
Analysis Batch: 738387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734791

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.02	8.929		1.27	1.00	0.535	pCi/L	99	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.3		30 - 110
Y Carrier	81.9		30 - 110

HPLC/IC

Analysis Batch: 259716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	9056A	
870-39461-2	SFL MW-8S	Total/NA	Water	9056A	
870-39461-3	SFL MW-8D	Total/NA	Water	9056A	
870-39461-3 - DL	SFL MW-8D	Total/NA	Water	9056A	
870-39461-4	SFL MNW-15D	Total/NA	Water	9056A	
870-39461-4 - DL	SFL MNW-15D	Total/NA	Water	9056A	
870-39461-5	SFL MW-7S	Total/NA	Water	9056A	
870-39461-6	FD-3	Total/NA	Water	9056A	
870-39461-7	FB-3	Total/NA	Water	9056A	
870-39461-8	SFL MW-3D	Total/NA	Water	9056A	
870-39461-9	SFL MW-5D	Total/NA	Water	9056A	
870-39461-9 - DL	SFL MW-5D	Total/NA	Water	9056A	
870-39461-10	SFL MW-15	Total/NA	Water	9056A	
870-39461-11	SFL MW-4S	Total/NA	Water	9056A	
870-39461-12	SFL MW-2D	Total/NA	Water	9056A	
870-39461-13	SSP MW-5D	Total/NA	Water	9056A	
870-39461-14	AP MW-3D	Total/NA	Water	9056A	
870-39461-14 - DL	AP MW-3D	Total/NA	Water	9056A	
870-39461-15	FB-4	Total/NA	Water	9056A	
MB 860-259716/3	Method Blank	Total/NA	Water	9056A	
LCS 860-259716/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-259716/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-259716/7	Lab Control Sample	Total/NA	Water	9056A	
870-39461-2 MS	SFL MW-8S	Total/NA	Water	9056A	
870-39461-2 MSD	SFL MW-8S	Total/NA	Water	9056A	

Analysis Batch: 260099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-2	SFL MW-8S	Total/NA	Water	9056A	
MB 860-260099/3	Method Blank	Total/NA	Water	9056A	
LCS 860-260099/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-260099/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-260099/7	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 259087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	7470A	
870-39461-2	SFL MW-8S	Total/NA	Water	7470A	
870-39461-3	SFL MW-8D	Total/NA	Water	7470A	
870-39461-4	SFL MNW-15D	Total/NA	Water	7470A	
870-39461-5	SFL MW-7S	Total/NA	Water	7470A	
870-39461-6	FD-3	Total/NA	Water	7470A	
870-39461-7	FB-3	Total/NA	Water	7470A	
870-39461-8	SFL MW-3D	Dissolved	Water	7470A	
870-39461-8	SFL MW-3D	Total/NA	Water	7470A	
870-39461-9	SFL MW-5D	Dissolved	Water	7470A	
870-39461-9	SFL MW-5D	Total/NA	Water	7470A	
870-39461-10	SFL MW-15	Dissolved	Water	7470A	
870-39461-10	SFL MW-15	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 259087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-13	SSP MW-5D	Dissolved	Water	7470A	
870-39461-14	AP MW-3D	Dissolved	Water	7470A	
MB 860-259087/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-259087/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-259087/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 259380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	7470A	259087
870-39461-2	SFL MW-8S	Total/NA	Water	7470A	259087
870-39461-3	SFL MW-8D	Total/NA	Water	7470A	259087
870-39461-4	SFL MNW-15D	Total/NA	Water	7470A	259087
870-39461-5	SFL MW-7S	Total/NA	Water	7470A	259087
870-39461-6	FD-3	Total/NA	Water	7470A	259087
870-39461-7	FB-3	Total/NA	Water	7470A	259087
870-39461-8	SFL MW-3D	Dissolved	Water	7470A	259087
870-39461-8	SFL MW-3D	Total/NA	Water	7470A	259087
870-39461-9	SFL MW-5D	Dissolved	Water	7470A	259087
870-39461-9	SFL MW-5D	Total/NA	Water	7470A	259087
870-39461-10	SFL MW-15	Dissolved	Water	7470A	259087
870-39461-10	SFL MW-15	Total/NA	Water	7470A	259087
870-39461-13	SSP MW-5D	Dissolved	Water	7470A	259087
870-39461-14	AP MW-3D	Dissolved	Water	7470A	259087
MB 860-259087/1-A	Method Blank	Total/NA	Water	7470A	259087
LCS 860-259087/2-A	Lab Control Sample	Total/NA	Water	7470A	259087
LCSD 860-259087/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	259087

Prep Batch: 259385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-11	SFL MW-4S	Total/NA	Water	7470A	
870-39461-12	SFL MW-2D	Total/NA	Water	7470A	
870-39461-13	SSP MW-5D	Total/NA	Water	7470A	
870-39461-14	AP MW-3D	Total/NA	Water	7470A	
870-39461-15	FB-4	Total/NA	Water	7470A	
MB 860-259385/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-259385/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-259385/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 259545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-2	SFL MW-8S	Total/NA	Water	3010A	
870-39461-3	SFL MW-8D	Total/NA	Water	3010A	
870-39461-6	FD-3	Total/NA	Water	3010A	
870-39461-7	FB-3	Total/NA	Water	3010A	
870-39461-9	SFL MW-5D	Total/NA	Water	3010A	
870-39461-10	SFL MW-15	Total/NA	Water	3010A	
MB 860-259545/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-259545/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-259545/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-39461-2 MS	SFL MW-8S	Total/NA	Water	3010A	
870-39461-2 MSD	SFL MW-8S	Total/NA	Water	3010A	

Metals

Analysis Batch: 259693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-11	SFL MW-4S	Total/NA	Water	7470A	259385
870-39461-12	SFL MW-2D	Total/NA	Water	7470A	259385
870-39461-13	SSP MW-5D	Total/NA	Water	7470A	259385
870-39461-14	AP MW-3D	Total/NA	Water	7470A	259385
870-39461-15	FB-4	Total/NA	Water	7470A	259385
MB 860-259385/1-A	Method Blank	Total/NA	Water	7470A	259385
LCS 860-259385/2-A	Lab Control Sample	Total/NA	Water	7470A	259385
LCSD 860-259385/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	259385

Prep Batch: 259747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-11	SFL MW-4S	Total/NA	Water	3010A	
870-39461-12	SFL MW-2D	Total/NA	Water	3010A	
870-39461-13	SSP MW-5D	Total/NA	Water	3010A	
870-39461-14	AP MW-3D	Total/NA	Water	3010A	
870-39461-15	FB-4	Total/NA	Water	3010A	
MB 860-259747/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-259747/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-259747/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 259844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-4	SFL MNW-15D	Total/NA	Water	3010A	
870-39461-5	SFL MW-7S	Total/NA	Water	3010A	
870-39461-8	SFL MW-3D	Total/NA	Water	3010A	
MB 860-259844/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-259844/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-259844/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 259846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-11	SFL MW-4S	Total/NA	Water	3010A	
870-39461-12	SFL MW-2D	Total/NA	Water	3010A	
870-39461-13	SSP MW-5D	Dissolved	Water	3010A	
870-39461-13	SSP MW-5D	Total/NA	Water	3010A	
870-39461-14	AP MW-3D	Dissolved	Water	3010A	
870-39461-14	AP MW-3D	Total/NA	Water	3010A	
870-39461-15	FB-4	Total/NA	Water	3010A	
MB 860-259846/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-259846/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-259846/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Filtration Batch: 259967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-259967/8-B	Method Blank	Dissolved	Water	Filtration	
LCS 860-259967/9-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-259967/10-B	Lab Control Sample Dup	Dissolved	Water	Filtration	

Prep Batch: 260042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 260042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-260042/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-260042/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-260042/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 260043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-8	SFL MW-3D	Dissolved	Water	3010A	
870-39461-9	SFL MW-5D	Dissolved	Water	3010A	
870-39461-10	SFL MW-15	Dissolved	Water	3010A	
MB 860-259967/8-B	Method Blank	Dissolved	Water	3010A	259967
LCS 860-259967/9-B	Lab Control Sample	Dissolved	Water	3010A	259967
LCSD 860-259967/10-B	Lab Control Sample Dup	Dissolved	Water	3010A	259967

Prep Batch: 260081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	3010A	
870-39461-2	SFL MW-8S	Total/NA	Water	3010A	
870-39461-3	SFL MW-8D	Total/NA	Water	3010A	
870-39461-4	SFL MNW-15D	Total/NA	Water	3010A	
870-39461-5	SFL MW-7S	Total/NA	Water	3010A	
870-39461-6	FD-3	Total/NA	Water	3010A	
870-39461-7	FB-3	Total/NA	Water	3010A	
870-39461-8	SFL MW-3D	Total/NA	Water	3010A	
870-39461-9	SFL MW-5D	Total/NA	Water	3010A	
870-39461-10	SFL MW-15	Total/NA	Water	3010A	
MB 860-260081/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-260081/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-260081/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 260108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-2	SFL MW-8S	Total/NA	Water	6020B	259545
870-39461-2	SFL MW-8S	Total/NA	Water	6020B	259545
870-39461-3	SFL MW-8D	Total/NA	Water	6020B	259545
870-39461-6	FD-3	Total/NA	Water	6020B	259545
870-39461-7	FB-3	Total/NA	Water	6020B	259545
870-39461-9	SFL MW-5D	Total/NA	Water	6020B	259545
870-39461-10	SFL MW-15	Total/NA	Water	6020B	259545
870-39461-11	SFL MW-4S	Total/NA	Water	6020B	259747
870-39461-12	SFL MW-2D	Total/NA	Water	6020B	259747
870-39461-13	SSP MW-5D	Total/NA	Water	6020B	259747
870-39461-14	AP MW-3D	Total/NA	Water	6020B	259747
870-39461-15	FB-4	Total/NA	Water	6020B	259747
MB 860-259545/1-A	Method Blank	Total/NA	Water	6020B	259545
MB 860-259747/1-A	Method Blank	Total/NA	Water	6020B	259747
LCS 860-259545/2-A	Lab Control Sample	Total/NA	Water	6020B	259545
LCS 860-259747/2-A	Lab Control Sample	Total/NA	Water	6020B	259747
LCSD 860-259545/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	259545
LCSD 860-259747/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	259747
870-39461-2 MS	SFL MW-8S	Total/NA	Water	6020B	259545
870-39461-2 MS	SFL MW-8S	Total/NA	Water	6020B	259545

Metals (Continued)

Analysis Batch: 260108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-2 MSD	SFL MW-8S	Total/NA	Water	6020B	259545
870-39461-2 MSD	SFL MW-8S	Total/NA	Water	6020B	259545

Analysis Batch: 260168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-8	SFL MW-3D	Dissolved	Water	6010D	260043
870-39461-8	SFL MW-3D	Dissolved	Water	6010D	260043
870-39461-9	SFL MW-5D	Dissolved	Water	6010D	260043
870-39461-9	SFL MW-5D	Dissolved	Water	6010D	260043
870-39461-10	SFL MW-15	Dissolved	Water	6010D	260043
870-39461-10	SFL MW-15	Dissolved	Water	6010D	260043
870-39461-11	SFL MW-4S	Total/NA	Water	6010D	259846
870-39461-11	SFL MW-4S	Total/NA	Water	6010D	259846
870-39461-12	SFL MW-2D	Total/NA	Water	6010D	259846
870-39461-12	SFL MW-2D	Total/NA	Water	6010D	259846
870-39461-13	SSP MW-5D	Dissolved	Water	6010D	259846
870-39461-13	SSP MW-5D	Dissolved	Water	6010D	259846
870-39461-13	SSP MW-5D	Total/NA	Water	6010D	259846
870-39461-13	SSP MW-5D	Total/NA	Water	6010D	259846
870-39461-14	AP MW-3D	Dissolved	Water	6010D	259846
870-39461-14	AP MW-3D	Dissolved	Water	6010D	259846
870-39461-14	AP MW-3D	Total/NA	Water	6010D	259846
870-39461-14	AP MW-3D	Total/NA	Water	6010D	259846
870-39461-15	FB-4	Total/NA	Water	6010D	259846
MB 860-259846/1-A	Method Blank	Total/NA	Water	6010D	259846
MB 860-259967/8-B	Method Blank	Dissolved	Water	6010D	260043
LCS 860-259846/2-A	Lab Control Sample	Total/NA	Water	6010D	259846
LCS 860-259967/9-B	Lab Control Sample	Dissolved	Water	6010D	260043
LCSD 860-259846/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	259846
LCSD 860-259967/10-B	Lab Control Sample Dup	Dissolved	Water	6010D	260043

Analysis Batch: 260233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	6010D	260081
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	6010D	260081
870-39461-2	SFL MW-8S	Total/NA	Water	6010D	260081
870-39461-2	SFL MW-8S	Total/NA	Water	6010D	260081
870-39461-3	SFL MW-8D	Total/NA	Water	6010D	260081
870-39461-3	SFL MW-8D	Total/NA	Water	6010D	260081
870-39461-4	SFL MNW-15D	Total/NA	Water	6010D	260081
870-39461-4	SFL MNW-15D	Total/NA	Water	6010D	260081
870-39461-5	SFL MW-7S	Total/NA	Water	6010D	260081
870-39461-5	SFL MW-7S	Total/NA	Water	6010D	260081
870-39461-6	FD-3	Total/NA	Water	6010D	260081
870-39461-6	FD-3	Total/NA	Water	6010D	260081
870-39461-7	FB-3	Total/NA	Water	6010D	260081
870-39461-8	SFL MW-3D	Total/NA	Water	6010D	260081
870-39461-8	SFL MW-3D	Total/NA	Water	6010D	260081
870-39461-9	SFL MW-5D	Total/NA	Water	6010D	260081
870-39461-9	SFL MW-5D	Total/NA	Water	6010D	260081
870-39461-10	SFL MW-15	Total/NA	Water	6010D	260081

Metals (Continued)

Analysis Batch: 260233 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-10	SFL MW-15	Total/NA	Water	6010D	260081
MB 860-260081/1-A	Method Blank	Total/NA	Water	6010D	260081
LCS 860-260081/2-A	Lab Control Sample	Total/NA	Water	6010D	260081
LCSD 860-260081/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	260081

Analysis Batch: 260506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-11	SFL MW-4S	Total/NA	Water	6020B	259747
870-39461-12	SFL MW-2D	Total/NA	Water	6020B	259747

Analysis Batch: 260518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-4	SFL MNW-15D	Total/NA	Water	6020B	259844
870-39461-5	SFL MW-7S	Total/NA	Water	6020B	259844
870-39461-8	SFL MW-3D	Total/NA	Water	6020B	259844
MB 860-259844/1-A	Method Blank	Total/NA	Water	6020B	259844
LCS 860-259844/2-A	Lab Control Sample	Total/NA	Water	6020B	259844
LCSD 860-259844/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	259844

Analysis Batch: 260519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	6020B	260042
MB 860-260042/1-A	Method Blank	Total/NA	Water	6020B	260042
LCS 860-260042/2-A	Lab Control Sample	Total/NA	Water	6020B	260042
LCSD 860-260042/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	260042

Analysis Batch: 260756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	6020B	260042
870-39461-5	SFL MW-7S	Total/NA	Water	6020B	259844

General Chemistry

Analysis Batch: 31446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	SM 2540C	
870-39461-2	SFL MW-8S	Total/NA	Water	SM 2540C	
870-39461-3	SFL MW-8D	Total/NA	Water	SM 2540C	
870-39461-4	SFL MNW-15D	Total/NA	Water	SM 2540C	
870-39461-5	SFL MW-7S	Total/NA	Water	SM 2540C	
870-39461-6	FD-3	Total/NA	Water	SM 2540C	
870-39461-7	FB-3	Total/NA	Water	SM 2540C	
870-39461-8	SFL MW-3D	Total/NA	Water	SM 2540C	
870-39461-9	SFL MW-5D	Total/NA	Water	SM 2540C	
870-39461-10	SFL MW-15	Total/NA	Water	SM 2540C	
870-39461-11	SFL MW-4S	Total/NA	Water	SM 2540C	
870-39461-12	SFL MW-2D	Total/NA	Water	SM 2540C	
870-39461-13	SSP MW-5D	Total/NA	Water	SM 2540C	
870-39461-14	AP MW-3D	Total/NA	Water	SM 2540C	
870-39461-15	FB-4	Total/NA	Water	SM 2540C	
MB 870-31446/1	Method Blank	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 31446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 870-31446/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-31446/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 31480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	SM 4500 H+ B	
870-39461-2	SFL MW-8S	Total/NA	Water	SM 4500 H+ B	
870-39461-3	SFL MW-8D	Total/NA	Water	SM 4500 H+ B	
870-39461-4	SFL MNW-15D	Total/NA	Water	SM 4500 H+ B	
870-39461-5	SFL MW-7S	Total/NA	Water	SM 4500 H+ B	
870-39461-6	FD-3	Total/NA	Water	SM 4500 H+ B	
870-39461-7	FB-3	Total/NA	Water	SM 4500 H+ B	
870-39461-8	SFL MW-3D	Total/NA	Water	SM 4500 H+ B	
870-39461-9	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	
870-39461-9 DU	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 31515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-10	SFL MW-15	Total/NA	Water	SM 4500 H+ B	
870-39461-11	SFL MW-4S	Total/NA	Water	SM 4500 H+ B	
870-39461-12	SFL MW-2D	Total/NA	Water	SM 4500 H+ B	
870-39461-13	SSP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-39461-14	AP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-39461-15	FB-4	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 259341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	SM 2320B	
870-39461-2	SFL MW-8S	Total/NA	Water	SM 2320B	
870-39461-3	SFL MW-8D	Total/NA	Water	SM 2320B	
870-39461-4	SFL MNW-15D	Total/NA	Water	SM 2320B	
870-39461-5	SFL MW-7S	Total/NA	Water	SM 2320B	
870-39461-6	FD-3	Total/NA	Water	SM 2320B	
870-39461-7	FB-3	Total/NA	Water	SM 2320B	
870-39461-8	SFL MW-3D	Total/NA	Water	SM 2320B	
870-39461-9	SFL MW-5D	Total/NA	Water	SM 2320B	
870-39461-10	SFL MW-15	Total/NA	Water	SM 2320B	
870-39461-11	SFL MW-4S	Total/NA	Water	SM 2320B	
870-39461-12	SFL MW-2D	Total/NA	Water	SM 2320B	
870-39461-13	SSP MW-5D	Total/NA	Water	SM 2320B	
870-39461-14	AP MW-3D	Total/NA	Water	SM 2320B	
870-39461-15	FB-4	Total/NA	Water	SM 2320B	
MB 860-259341/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-259341/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-259341/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-39461-1 DU	SFL MW-1 (cont)	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 734790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	PrecSep-21	
870-39461-2	SFL MW-8S	Total/NA	Water	PrecSep-21	
870-39461-3	SFL MW-8D	Total/NA	Water	PrecSep-21	
870-39461-4	SFL MNW-15D	Total/NA	Water	PrecSep-21	
870-39461-5	SFL MW-7S	Total/NA	Water	PrecSep-21	
870-39461-6	FD-3	Total/NA	Water	PrecSep-21	
870-39461-7	FB-3	Total/NA	Water	PrecSep-21	
870-39461-8	SFL MW-3D	Total/NA	Water	PrecSep-21	
870-39461-9	SFL MW-5D	Total/NA	Water	PrecSep-21	
870-39461-10	SFL MW-15	Total/NA	Water	PrecSep-21	
870-39461-11	SFL MW-4S	Total/NA	Water	PrecSep-21	
870-39461-12	SFL MW-2D	Total/NA	Water	PrecSep-21	
870-39461-13	SSP MW-5D	Total/NA	Water	PrecSep-21	
870-39461-14	AP MW-3D	Total/NA	Water	PrecSep-21	
870-39461-15	FB-4	Total/NA	Water	PrecSep-21	
MB 160-734790/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-734790/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 734791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	PrecSep_0	
870-39461-2	SFL MW-8S	Total/NA	Water	PrecSep_0	
870-39461-3	SFL MW-8D	Total/NA	Water	PrecSep_0	
870-39461-4	SFL MNW-15D	Total/NA	Water	PrecSep_0	
870-39461-5	SFL MW-7S	Total/NA	Water	PrecSep_0	
870-39461-6	FD-3	Total/NA	Water	PrecSep_0	
870-39461-7	FB-3	Total/NA	Water	PrecSep_0	
870-39461-8	SFL MW-3D	Total/NA	Water	PrecSep_0	
870-39461-9	SFL MW-5D	Total/NA	Water	PrecSep_0	
870-39461-10	SFL MW-15	Total/NA	Water	PrecSep_0	
870-39461-11	SFL MW-4S	Total/NA	Water	PrecSep_0	
870-39461-12	SFL MW-2D	Total/NA	Water	PrecSep_0	
870-39461-13	SSP MW-5D	Total/NA	Water	PrecSep_0	
870-39461-14	AP MW-3D	Total/NA	Water	PrecSep_0	
870-39461-15	FB-4	Total/NA	Water	PrecSep_0	
MB 160-734791/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-734791/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 734800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-1	SFL MW-1 (cont)	Total/NA	Water	Fill_Geo-21	
870-39461-2	SFL MW-8S	Total/NA	Water	Fill_Geo-21	
870-39461-3	SFL MW-8D	Total/NA	Water	Fill_Geo-21	
870-39461-4	SFL MNW-15D	Total/NA	Water	Fill_Geo-21	
870-39461-5	SFL MW-7S	Total/NA	Water	Fill_Geo-21	
870-39461-6	FD-3	Total/NA	Water	Fill_Geo-21	
870-39461-7	FB-3	Total/NA	Water	Fill_Geo-21	
870-39461-8	SFL MW-3D	Total/NA	Water	Fill_Geo-21	
870-39461-9	SFL MW-5D	Total/NA	Water	Fill_Geo-21	
870-39461-10	SFL MW-15	Total/NA	Water	Fill_Geo-21	
870-39461-11	SFL MW-4S	Total/NA	Water	Fill_Geo-21	

Rad (Continued)

Prep Batch: 734800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39461-12	SFL MW-2D	Total/NA	Water	Fill_Geo-21	
870-39461-13	SSP MW-5D	Total/NA	Water	Fill_Geo-21	
870-39461-14	AP MW-3D	Total/NA	Water	Fill_Geo-21	
870-39461-15	FB-4	Total/NA	Water	Fill_Geo-21	
MB 160-734800/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-734800/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-39461-1 DU	SFL MW-1 (cont)	Total/NA	Water	Fill_Geo-21	

Client Sample ID: SFL MW-1 (cont)
Lab Sample ID: 870-39461-1

Date Collected: 08/27/25 08:20
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			259716	09/04/25 14:28	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 17:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260042	09/05/25 09:16	MD	EET HOU
Total/NA	Analysis	6020B		1			260519	09/06/25 01:36	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260042	09/05/25 09:16	MD	EET HOU
Total/NA	Analysis	6020B		10			260756	09/08/25 16:25	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:02	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 11:19	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738030	09/28/25 13:21	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.38 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.38 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:54	SWS	EET SL

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-39461-2

Date Collected: 08/27/25 10:15
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259716	09/04/25 11:22	AK1	EET HOU
Total/NA	Analysis	9056A		10			260099	09/05/25 11:54	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:23	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 17:30	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259545	09/03/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 02:12	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259545	09/03/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		5			260108	09/05/25 02:15	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:03	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 11:28	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738025	09/28/25 13:22	MLS	EET SL

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-39461-2
Date Collected: 08/27/25 10:15
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.91 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.91 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:54	SWS	EET SL

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-39461-3
Date Collected: 08/27/25 11:45
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259716	09/04/25 12:19	AK1	EET HOU
Total/NA	Analysis	9056A	DL	10			259716	09/04/25 12:27	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 17:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259545	09/03/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 03:36	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:04	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 11:32	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738190	09/29/25 13:04	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.22 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.22 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:54	SWS	EET SL

Client Sample ID: SFL MNW-15D
Lab Sample ID: 870-39461-4
Date Collected: 08/27/25 13:40
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259716	09/04/25 12:35	AK1	EET HOU
Total/NA	Analysis	9056A	DL	10			259716	09/04/25 12:43	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 17:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259844	09/04/25 12:53	MD	EET HOU
Total/NA	Analysis	6020B		1			260518	09/05/25 22:31	DP	EET HOU

Client Sample ID: SFL MNW-15D
Lab Sample ID: 870-39461-4
Date Collected: 08/27/25 13:40
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:06	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 11:38	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738029	09/28/25 13:20	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.10 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.10 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:54	SWS	EET SL

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-39461-5
Date Collected: 08/27/25 15:35
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259716	09/04/25 16:05	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:38	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 17:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259844	09/04/25 12:53	MD	EET HOU
Total/NA	Analysis	6020B		1			260518	09/05/25 22:33	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259844	09/04/25 12:53	MD	EET HOU
Total/NA	Analysis	6020B		5			260756	09/08/25 16:31	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:10	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 11:55	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738028	09/28/25 13:20	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.44 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.44 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:54	SWS	EET SL

Client Sample ID: FD-3
Lab Sample ID: 870-39461-6
Date Collected: 08/27/25 15:40
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259716	09/04/25 16:21	AK1	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: FD-3
Lab Sample ID: 870-39461-6
Date Collected: 08/27/25 15:40
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:40	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 17:48	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259545	09/03/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 03:38	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:11	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:00	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738030	09/28/25 15:16	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.41 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.41 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:54	SWS	EET SL

Client Sample ID: FB-3
Lab Sample ID: 870-39461-7
Date Collected: 08/27/25 12:15
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259716	09/04/25 11:46	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:42	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259545	09/03/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 03:41	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:13	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:06	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738033	09/28/25 15:17	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.64 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.64 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:54	SWS	EET SL

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-39461-8

Date Collected: 08/27/25 13:20
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			259716	09/04/25 15:33	AK1	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	260043	09/05/25 09:21	MD	EET HOU
Dissolved	Analysis	6010D		1			260168	09/05/25 15:39	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	260043	09/05/25 09:21	MD	EET HOU
Dissolved	Analysis	6010D		50			260168	09/05/25 15:46	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:43	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 17:52	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259844	09/04/25 12:53	MD	EET HOU
Total/NA	Analysis	6020B		1			260518	09/05/25 22:36	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Dissolved	Analysis	7470A		1			259380	09/02/25 22:18	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:14	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:11	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738034	09/28/25 15:18	MLS	EET SL
Total/NA	Prep	PrecSep-21			753.42 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			753.42 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:54	SWS	EET SL

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-39461-9

Date Collected: 08/27/25 16:05
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259716	09/04/25 12:51	AK1	EET HOU
Total/NA	Analysis	9056A	DL	10			259716	09/04/25 12:59	AK1	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	260043	09/05/25 09:21	MD	EET HOU
Dissolved	Analysis	6010D		1			260168	09/05/25 15:37	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	260043	09/05/25 09:21	MD	EET HOU
Dissolved	Analysis	6010D		50			260168	09/05/25 15:44	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:45	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 17:54	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259545	09/03/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 03:44	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Dissolved	Analysis	7470A		1			259380	09/02/25 22:20	SHZ	EET HOU

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-39461-9

Date Collected: 08/27/25 16:05
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:17	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31480	09/03/25 13:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738025	09/28/25 15:19	MLS	EET SL
Total/NA	Prep	PrecSep-21			751.82 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			751.82 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738401	09/30/25 15:55	SWS	EET SL

Client Sample ID: SFL MW-15
Lab Sample ID: 870-39461-10

Date Collected: 08/28/25 07:05
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259716	09/04/25 16:37	AK1	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	260043	09/05/25 09:21	MD	EET HOU
Dissolved	Analysis	6010D		1			260168	09/05/25 15:40	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	260043	09/05/25 09:21	MD	EET HOU
Dissolved	Analysis	6010D		50			260168	09/05/25 15:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		1			260233	09/05/25 17:59	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260081	09/05/25 10:25	MD	EET HOU
Total/NA	Analysis	6010D		50			260233	09/05/25 18:07	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259545	09/03/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 03:47	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Dissolved	Analysis	7470A		1			259380	09/02/25 22:21	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Total/NA	Analysis	7470A		1			259380	09/02/25 22:17	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:23	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738185	09/29/25 13:05	MLS	EET SL
Total/NA	Prep	PrecSep-21			1008.76 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.76 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738386	09/30/25 16:11	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-4S
Lab Sample ID: 870-39461-11
Date Collected: 08/28/25 08:50
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			259716	09/04/25 15:49	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		1			260168	09/05/25 13:53	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		50			260168	09/05/25 13:58	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:32	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260506	09/05/25 17:10	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259385	09/03/25 07:14	AGR	EET HOU
Total/NA	Analysis	7470A		1			259693	09/03/25 21:39	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:30	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738029	09/28/25 15:20	MLS	EET SL
Total/NA	Prep	PrecSep-21			1009.38 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1009.38 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738386	09/30/25 16:11	SWS	EET SL

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-39461-12
Date Collected: 08/28/25 10:25
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			259716	09/04/25 15:00	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		1			260168	09/05/25 14:02	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		50			260168	09/05/25 14:09	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:35	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		5			260506	09/05/25 17:14	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259385	09/03/25 07:14	AGR	EET HOU
Total/NA	Analysis	7470A		1			259693	09/03/25 21:40	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:34	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738028	09/28/25 15:19	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.67 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:03	SWS	EET SL

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-39461-12
Date Collected: 08/28/25 10:25
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1000.67 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738386	09/30/25 16:12	SWS	EET SL

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-39461-13
Date Collected: 08/28/25 09:25
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			259716	09/04/25 14:44	AK1	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Dissolved	Analysis	6010D		1			260168	09/05/25 14:36	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Dissolved	Analysis	6010D		50			260168	09/05/25 14:39	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		1			260168	09/05/25 14:03	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		50			260168	09/05/25 14:11	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:37	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Dissolved	Analysis	7470A		1			259380	09/02/25 22:22	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259385	09/03/25 07:14	AGR	EET HOU
Total/NA	Analysis	7470A		1			259693	09/03/25 21:44	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:40	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738031	09/28/25 16:20	MLS	EET SL
Total/NA	Prep	PrecSep-21			752.52 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738387	09/30/25 21:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			752.52 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738386	09/30/25 16:12	SWS	EET SL

Client Sample ID: AP MW-3D
Lab Sample ID: 870-39461-14
Date Collected: 08/28/25 12:00
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259716	09/04/25 13:07	AK1	EET HOU
Total/NA	Analysis	9056A	DL	10			259716	09/04/25 13:15	AK1	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Dissolved	Analysis	6010D		1			260168	09/05/25 14:37	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Dissolved	Analysis	6010D		50			260168	09/05/25 14:40	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-3D
Lab Sample ID: 870-39461-14
Date Collected: 08/28/25 12:00
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		1			260168	09/05/25 14:05	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		50			260168	09/05/25 14:12	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:40	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	259087	09/02/25 08:37	AGR	EET HOU
Dissolved	Analysis	7470A		1			259380	09/02/25 22:27	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259385	09/03/25 07:14	AGR	EET HOU
Total/NA	Analysis	7470A		1			259693	09/03/25 21:45	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 12:46	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738033	09/28/25 16:21	MLS	EET SL
Total/NA	Prep	PrecSep-21			753.90 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738401	09/30/25 21:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			753.90 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738386	09/30/25 16:12	SWS	EET SL

Client Sample ID: FB-4
Lab Sample ID: 870-39461-15
Date Collected: 08/28/25 08:10
Matrix: Water
Date Received: 08/29/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			259716	09/04/25 11:55	AK1	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259846	09/04/25 12:56	MD	EET HOU
Total/NA	Analysis	6010D		1			260168	09/05/25 14:06	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	259747	09/04/25 10:09	MD	EET HOU
Total/NA	Analysis	6020B		1			260108	09/05/25 05:43	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	259385	09/03/25 07:14	AGR	EET HOU
Total/NA	Analysis	7470A		1			259693	09/03/25 21:47	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			259341	09/02/25 14:04	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	31446	09/02/25 13:21	OOE	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	734800	09/04/25 09:49	DC	EET SL
Total/NA	Analysis	901.1		1			738034	09/28/25 16:21	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.58 mL	1.0 g	734790	09/04/25 08:22	JTR	EET SL
Total/NA	Analysis	903.0		1			738401	09/30/25 21:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.58 mL	1.0 g	734791	09/04/25 08:27	JTR	EET SL
Total/NA	Analysis	904.0		1			738387	09/30/25 12:09	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-39461-1	SFL MW-1 (cont)	Water	08/27/25 08:20	08/29/25 10:30	Texas
870-39461-2	SFL MW-8S	Water	08/27/25 10:15	08/29/25 10:30	Texas
870-39461-3	SFL MW-8D	Water	08/27/25 11:45	08/29/25 10:30	Texas
870-39461-4	SFL MNW-15D	Water	08/27/25 13:40	08/29/25 10:30	Texas
870-39461-5	SFL MW-7S	Water	08/27/25 15:35	08/29/25 10:30	Texas
870-39461-6	FD-3	Water	08/27/25 15:40	08/29/25 10:30	Texas
870-39461-7	FB-3	Water	08/27/25 12:15	08/29/25 10:30	Texas
870-39461-8	SFL MW-3D	Water	08/27/25 13:20	08/29/25 10:30	Texas
870-39461-9	SFL MW-5D	Water	08/27/25 16:05	08/29/25 10:30	Texas
870-39461-10	SFL MW-15	Water	08/28/25 07:05	08/29/25 10:30	Texas
870-39461-11	SFL MW-4S	Water	08/28/25 08:50	08/29/25 10:30	Texas
870-39461-12	SFL MW-2D	Water	08/28/25 10:25	08/29/25 10:30	Texas
870-39461-13	SSP MW-5D	Water	08/28/25 09:25	08/29/25 10:30	Texas
870-39461-14	AP MW-3D	Water	08/28/25 12:00	08/29/25 10:30	Texas
870-39461-15	FB-4	Water	08/28/25 08:10	08/29/25 10:30	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

10/15/2025

Client Information	Sampler: WRC / PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14120-4663.1
Client Contact: Courtney Stewart	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: courtney.stewart@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SFL MW-1 (cont)	08/27/25	0820	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-8S	08/27/25	1015	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-8D	08/27/25	1145	G	Water			X	X	X	X	X	X		X	X	7	
SFL MNW-15D	08/27/25	1340	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-7S	08/27/25	1535	G	Water			X	X	X	X	X	X		X	X	7	
FD-3	08/27/25	1540	G	Water			X	X	X	X	X	X		X	X	7	
FB-3	08/27/25	1215	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-3D	08/27/25	1320	G	Water	Y		X	X	X	X	X	X	X	X	X	8	
SFL MW-5D	08/27/25	1605	G	Water	Y		X	X	X	X	X	X	X	X	X	8	
				Water													
				Water													

870-39461 Chain of Custody

Page 71 of 79

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: ~~8837~~ ~~5652~~ 5800, 5762, 5799, 5784, 5773

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
WRC	08/28/25 1400		FedEx		
FedEx	8/29/25 10:30			8/29/25 10:30	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: THM042 CF -0.3 0.4/0.1, 1.2/0.9, 3.8/3.5, 3.5/3.3, 1.2/0.9

Copy of original

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

10/15/2025

Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14120-4663.1
Client Contact: Courtney Stewart	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: courtney.stewart@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SFL MW-15	08/28/25	0705	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-4S	08/28/25	0850	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-2D	08/28/25	1025	G	Water			X	X	X	X	X	X		X	X	7	
SSP MW-5D	08/28/25	1025	G	Water	Y		X	X	X	X	X	X	X	X	X	8	
AP MW-3D	08/28/25	1200	G	Water			X	X	X	X	X	X		X	X	7	
FB-4	08/28/25	0810	G	Water			X	X	X	X	X	X		X	X	7	
				Water													
				Water													
				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: 883756S2 5800, 5762, 5762, 5784, 5773

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
WRCuller	08/28/25 1430		FedEx		
FedEx	8/29/25 10:30			8/29/25 10:30	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: THm042 CF -0.3 0.4/0.1, 1.2/0.9, 3.8/3.5, 3.6/3.3, 1.2/0.9

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9038.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-39461-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/8/2025	Analysis Requested		Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-1 (cont) (870-39461-1)	8/27/25	08:20 Central	G	Water			X	X	X	2	
SFL MW-8S (870-39461-2)	8/27/25	10:15 Central	G	Water			X	X	X	2	
SFL MW-8D (870-39461-3)	8/27/25	11:45 Central	G	Water			X	X	X	2	
SFL MNW-15D (870-39461-4)	8/27/25	13:40 Central	G	Water			X	X	X	2	
SFL MW-7S (870-39461-5)	8/27/25	15:35 Central	G	Water			X	X	X	2	
FD-3 (870-39461-6)	8/27/25	15:40 Central	G	Water			X	X	X	2	
FB-3 (870-39461-7)	8/27/25	12:15 Central	G	Water			X	X	X	2	
SFL MW-3D (870-39461-8)	8/27/25	13:20 Central	G	Water			X	X	X	2	
SFL MW-5D (870-39461-9)	8/27/25	16:05 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 09/02/25-1700	Company	Received by: SEP 02 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0830 SEP 03 2025	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9038.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-39461-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/8/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-1S (870-39461-10)	8/27/25	07:05 Central	G	Water			X	X	X	2	
SFL MW-4S (870-39461-11)	8/27/25	08:50 Central	G	Water			X	X	X	2	
SFL MW-2D (870-39461-12)	8/27/25	10:25 Central	G	Water			X	X	X	2	
SSP MW-5D (870-39461-13)	8/27/25	09:25 Central	G	Water			X	X	X	2	
AP MW-3D (870-39461-14)	8/27/25	12:00 Central	G	Water			X	X	X	2	
FB-4 (870-39461-15)	8/27/25	08:10 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: FEDEX Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		09/02/25-1700		SEP 02 2025		
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time: 0830 SEP 03 2025	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9033.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-39461 1
Address: 4145 Greenbriar Dr	Due Date Requested: 9/5/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SFL MW-1 (cont) (870-39461 1)	8/27/25	08:20 Central	G	Water			X	X	X	X	X			3	
SFL MW-8S (870-39461-2)	8/27/25	10:15 Central	G	Water			X	X	X	X	X			3	
SFL MW-8D (870-39461-3)	8/27/25	11:45 Central	G	Water			X	X	X	X	X			3	
SFL MNW-15D (870-39461-4)	8/27/25	13:40 Central	G	Water			X	X	X	X	X			3	
SFL MW-7S (870-39461-5)	8/27/25	15:35 Central	G	Water			X	X	X	X	X			3	
FD-3 (870-39461-6)	8/27/25	15:40 Central	G	Water			X	X	X	X	X			3	
FB-3 (870-39461-7)	8/27/25	12:15 Central	G	Water			X	X	X	X	X			3	
SFL MW-3D (870-39461-8)	8/27/25	13:20 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
SFL MW-5D (870-39461-9)	8/27/25	16:05 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 08/29/25-1700	Company	Received by:	Date/Time: 9/20	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: IR369 2c

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9033.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-39461-1
Address: 4145 Greenbriar Dr	Due Date Requested: 9/5/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SFL MW-1S (870-39461-10)	8/27/25	07:05 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
SFL MW-4S (870-39461 11)	8/27/25	08:50 Central	G	Water			X	X	X	X	X			3	
SFL MW-2D (870-39461 12)	8/27/25	10:25 Central	G	Water			X	X	X	X	X			3	
SSP MW-5D (870-39461 13)	8/27/25	09:25 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MW-3D (870-39461-14)	8/27/25	12:00 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
FB-4 (870-39461 15)	8/27/25	08:10 Central	G	Water			X	X	X	X	X			3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	08/29/25-1700			8/30	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: HW 3.6 2.2

Ver: 10/10/2024

10/15/2025

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39461-1
SDG Number:

Login Number: 39461
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39461-1
SDG Number:

Login Number: 39461
List Number: 2
Creator: Silva, Daniel

List Source: Eurofins Houston
List Creation: 08/30/25 09:28 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39461-1
SDG Number:

Login Number: 39461
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 09/03/25 01:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 10/13/2025 5:55:14 PM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station

JOB NUMBER

870-39527-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

myEOL

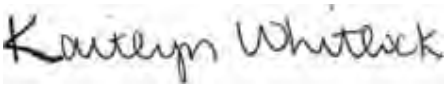
Eurofins Dallas

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
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Job ID: 870-39527-1
Project/Site: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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 ID: 870-39527-1 Eurofins Dallas

Job Narrative
870-39527-1

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 sample was received on 9/3/2025 9:51 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

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

Metals
Method 6010D: The method blank for preparation batch 860-260704 and analytical batch 860-261045 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

General Chemistry
Method SM4500_H+: The following sample was received outside of holding time: EB2 (870-39527-1).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 735068
The detection goal of 50.0 pCi/L was not met for Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-228 is well below the RL and MDC.
EB2 (870-39527-1)

Method 901.1_Ra: Gamma Batch 735068
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131

Job ID: 870-39527-1 (Continued) Eurofins Dallas

Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

EB2 (870-39527-1) and (870-39527-A-1-B DU)

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

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

Client Sample ID: EB2
Lab Sample ID: 870-39527-1

Date Collected: 08/28/25 13:45
Matrix: Water

Date Received: 09/03/25 09:51

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/05/25 16:26	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/05/25 16:26	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/05/25 16:26	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/09/25 09:40	09/09/25 17:49	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/09/25 09:40	09/09/25 17:49	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/09/25 09:40	09/09/25 17:49	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/09/25 09:40	09/09/25 17:49	1
Sodium	**0.353**	**J B**	0.500	0.152	mg/L		09/09/25 09:40	09/09/25 17:49	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/09/25 09:40	09/09/25 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00864**	**J**	0.0200	0.00549	mg/L		09/05/25 09:16	09/08/25 16:28	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/05/25 09:16	09/06/25 01:42	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/05/25 09:16	09/06/25 01:42	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/05/25 09:16	09/06/25 01:42	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/05/25 09:16	09/06/25 01:42	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/05/25 09:16	09/06/25 01:42	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/05/25 09:16	09/06/25 01:42	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/05/25 09:16	09/06/25 01:42	1
Iron	**0.00984**	**J**	0.0200	0.00445	mg/L		09/05/25 09:16	09/06/25 01:42	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/05/25 09:16	09/06/25 01:42	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/05/25 09:16	09/06/25 01:42	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/05/25 09:16	09/06/25 01:42	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/05/25 09:16	09/06/25 01:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/08/25 13:35	09/08/25 21:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			09/05/25 12:25	1
Total Dissolved Solids (SM 2540C)	**3.00**		2.50	2.50	mg/L			09/03/25 16:08	1
pH (SM 4500 H+ B)	**6.7**	**HF**			SU			09/04/25 14:32	1
Temperature (SM 4500 H+ B)	**19.7**	**HF**			Celsius			09/04/25 14:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	18.9	U	21.0	21.1	50.0	29.5	pCi/L	09/08/25 13:21	09/29/25 09:02	1
Radium-228	2.39	U G	13.6	13.6	50.0	54.1	pCi/L	09/08/25 13:21	09/29/25 09:02	1
Combined Radium 226 + 228	21.3	U	25.0	25.1		54.1	pCi/L	09/08/25 13:21	09/29/25 09:02	1

Client Sample ID: EB2
Lab Sample ID: 870-39527-1

Date Collected: 08/28/25 13:45
Matrix: Water

Date Received: 09/03/25 09:51

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.121	U	0.153	0.154	1.00	0.379	pCi/L	09/05/25 08:30	10/01/25 17:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.4*		*30 - 110*	*09/05/25 08:30*	*10/01/25 17:49*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.232	U	0.303	0.304	1.00	0.506	pCi/L	09/05/25 08:38	10/01/25 12:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.4*		*30 - 110*	*09/05/25 08:38*	*10/01/25 12:01*	*1*
Y Carrier	*78.1*		*30 - 110*	*09/05/25 08:38*	*10/01/25 12:01*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Job ID: 870-39527-1
Project/Site: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
870-39527-1	EB2	82.4
LCS 160-734890/2-A	Lab Control Sample	84.1
MB 160-734890/1-A	Method Blank	74.4

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
870-39527-1	EB2	82.4	78.1
LCS 160-734891/2-A	Lab Control Sample	84.1	81.1
MB 160-734891/1-A	Method Blank	74.4	74.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-260119/3
Matrix: Water
Analysis Batch: 260119

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			09/05/25 14:32	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/05/25 14:32	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/05/25 14:32	1

Lab Sample ID: LCS 860-260119/4
Matrix: Water
Analysis Batch: 260119

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.05		mg/L		101	90 - 110
Fluoride	10.0	10.13		mg/L		101	90 - 110
Sulfate	10.0	9.999		mg/L		100	90 - 110

Lab Sample ID: LCSD 860-260119/5
Matrix: Water
Analysis Batch: 260119

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
Chloride	10.0	10.00		mg/L		100	90 - 110	0	20
Fluoride	10.0	10.09		mg/L		101	90 - 110	0	20
Sulfate	10.0	9.954		mg/L		100	90 - 110	0	20

Lab Sample ID: LLCS 860-260119/7
Matrix: Water
Analysis Batch: 260119

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.4746	J	mg/L		95	50 - 150
Fluoride	0.500	0.4559	J	mg/L		91	50 - 150
Sulfate	0.500	0.4148	J	mg/L		83	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-260704/1-A
Matrix: Water
Analysis Batch: 261045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260704

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		09/09/25 09:40	09/09/25 16:59	1
Calcium	<0.102	U	0.200	0.102	mg/L		09/09/25 09:40	09/09/25 16:59	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		09/09/25 09:40	09/09/25 16:59	1
Potassium	<0.106	U	0.500	0.106	mg/L		09/09/25 09:40	09/09/25 16:59	1
Sodium	0.1900	J	0.500	0.152	mg/L		09/09/25 09:40	09/09/25 16:59	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		09/09/25 09:40	09/09/25 16:59	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-260704/2-A
Matrix: Water
Analysis Batch: 261045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260704

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.9580		mg/L		96	80 - 120
Calcium	25.0	23.80		mg/L		95	80 - 120
Magnesium	25.0	23.60		mg/L		94	80 - 120
Potassium	10.0	9.900		mg/L		99	80 - 120
Sodium	25.0	25.30		mg/L		101	80 - 120
Lithium	1.00	0.8890		mg/L		89	80 - 120

Lab Sample ID: LCSD 860-260704/3-A
Matrix: Water
Analysis Batch: 261045

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260704

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	0.9590		mg/L		96	80 - 120	0	20
Calcium	25.0	23.90		mg/L		96	80 - 120	0	20
Magnesium	25.0	23.60		mg/L		94	80 - 120	0	20
Potassium	10.0	9.900		mg/L		99	80 - 120	0	20
Sodium	25.0	25.30		mg/L		101	80 - 120	0	20
Lithium	1.00	0.8900		mg/L		89	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-260042/1-A
Matrix: Water
Analysis Batch: 260519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		09/05/25 09:16	09/06/25 00:19	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		09/05/25 09:16	09/06/25 00:19	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		09/05/25 09:16	09/06/25 00:19	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		09/05/25 09:16	09/06/25 00:19	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		09/05/25 09:16	09/06/25 00:19	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		09/05/25 09:16	09/06/25 00:19	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		09/05/25 09:16	09/06/25 00:19	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		09/05/25 09:16	09/06/25 00:19	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		09/05/25 09:16	09/06/25 00:19	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		09/05/25 09:16	09/06/25 00:19	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		09/05/25 09:16	09/06/25 00:19	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		09/05/25 09:16	09/06/25 00:19	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		09/05/25 09:16	09/06/25 00:19	1

Lab Sample ID: LCS 860-260042/2-A
Matrix: Water
Analysis Batch: 260519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5131		mg/L		103	80 - 120
Antimony	0.100	0.09976		mg/L		100	80 - 120
Arsenic	0.100	0.1003		mg/L		100	80 - 120
Barium	0.100	0.09983		mg/L		100	80 - 120

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

Lab Sample ID: LCS 860-260042/2-A
Matrix: Water
Analysis Batch: 260519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.09677		mg/L		97	80 - 120
Cadmium	0.100	0.09985		mg/L		100	80 - 120
Chromium	0.100	0.1004		mg/L		100	80 - 120
Cobalt	0.100	0.1000		mg/L		100	80 - 120
Iron	0.500	0.5048		mg/L		101	80 - 120
Lead	0.100	0.1000		mg/L		100	80 - 120
Molybdenum	0.100	0.09658		mg/L		97	80 - 120
Selenium	0.100	0.1001		mg/L		100	80 - 120
Thallium	0.100	0.1019		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-260042/3-A
Matrix: Water
Analysis Batch: 260519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260042

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5026		mg/L		101	80 - 120	2	20
Antimony	0.100	0.1022		mg/L		102	80 - 120	2	20
Arsenic	0.100	0.09997		mg/L		100	80 - 120	0	20
Barium	0.100	0.09961		mg/L		100	80 - 120	0	20
Beryllium	0.100	0.09628		mg/L		96	80 - 120	1	20
Cadmium	0.100	0.1001		mg/L		100	80 - 120	0	20
Chromium	0.100	0.09924		mg/L		99	80 - 120	1	20
Cobalt	0.100	0.09922		mg/L		99	80 - 120	1	20
Iron	0.500	0.4996		mg/L		100	80 - 120	1	20
Lead	0.100	0.1007		mg/L		101	80 - 120	1	20
Molybdenum	0.100	0.09688		mg/L		97	80 - 120	0	20
Selenium	0.100	0.1012		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1027		mg/L		103	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 860-260067/1-E
Matrix: Water
Analysis Batch: 260653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260534

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/08/25 13:35	09/08/25 20:28	1

Lab Sample ID: MB 860-260534/1-A
Matrix: Water
Analysis Batch: 260653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		09/08/25 13:34	09/08/25 20:18	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 860-260534/2-A
Matrix: Water
Analysis Batch: 260653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001970		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-260534/3-A
Matrix: Water
Analysis Batch: 260653

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 260534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001974		mg/L		99	80 - 120	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-260156/3
Matrix: Water
Analysis Batch: 260156

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			09/05/25 10:30	1

Lab Sample ID: LCS 860-260156/4
Matrix: Water
Analysis Batch: 260156

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	255.0		mg/L		102	85 - 115

Lab Sample ID: LCSD 860-260156/6
Matrix: Water
Analysis Batch: 260156

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
Alkalinity	250	259.9		mg/L		104	85 - 115	2	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-31493/1
Matrix: Water
Analysis Batch: 31493

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			09/03/25 16:08	1

Lab Sample ID: LCS 870-31493/2
Matrix: Water
Analysis Batch: 31493

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1005		mg/L		101	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 870-31493/3
Matrix: Water
Analysis Batch: 31493

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
Total Dissolved Solids			1000	943.0		mg/L		94	80 - 120	6	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-735068/1-A
Matrix: Water
Analysis Batch: 738359

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735068

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	31.53		20.1	20.4	50.0	27.9	pCi/L	09/08/25 13:21	09/30/25 11:11	1
Radium-228	5.783	U	27.9	27.9	50.0	44.3	pCi/L	09/08/25 13:21	09/30/25 11:11	1
Combined Radium 226 + 228	37.32	U	34.4	34.6		44.3	pCi/L	09/08/25 13:21	09/30/25 11:11	1

Lab Sample ID: LCS 160-735068/2-A
Matrix: Water
Analysis Batch: 738185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735068

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	138300		15100		1030	pCi/L	97	75 - 125
Cesium-137	37700	38220		3800		158	pCi/L	101	75 - 125
Cobalt-60	51300	49560		4830		105	pCi/L	97	75 - 125

Lab Sample ID: 870-39527-1 DU
Matrix: Water
Analysis Batch: 738190

Client Sample ID: EB2
Prep Type: Total/NA
Prep Batch: 735068

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	18.9	U	32.86		21.8	50.0	27.9	pCi/L	0.32	1
Radium-228	2.39	U G	-4.601	U G	23.7	50.0	53.7	pCi/L	0.19	1
Combined Radium 226 + 228	21.3	U	28.26	U	32.2		53.7	pCi/L	0.12	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-734890/1-A
Matrix: Water
Analysis Batch: 738603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734890

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1719	U	0.211	0.212	1.00	0.347	pCi/L	09/05/25 08:30	10/01/25 17:48	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.4*		*30 - 110*	*09/05/25 08:30*	*10/01/25 17:48*	*1*

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-734890/2-A
Matrix: Water
Analysis Batch: 738603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734890

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	9.606		1.29	1.00	0.313	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*84.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-734891/1-A
Matrix: Water
Analysis Batch: 738607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734891

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5715	U	0.475	0.477	1.00	0.743	pCi/L	09/05/25 08:38	10/01/25 12:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.4*		*30 - 110*	*09/05/25 08:38*	*10/01/25 12:01*	*1*
Y Carrier	*74.0*		*30 - 110*	*09/05/25 08:38*	*10/01/25 12:01*	*1*

Lab Sample ID: LCS 160-734891/2-A
Matrix: Water
Analysis Batch: 738607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734891

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.02	10.37		1.41	1.00	0.520	pCi/L	115	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*84.1*		*30 - 110*
Y Carrier	*81.1*		*30 - 110*

HPLC/IC

Analysis Batch: 260119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	9056A	
MB 860-260119/3	Method Blank	Total/NA	Water	9056A	
LCS 860-260119/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-260119/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-260119/7	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 260042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	3010A	
MB 860-260042/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-260042/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-260042/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Leach Batch: 260067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-260067/1-E	Method Blank	Total/NA	Water	1311	

Analysis Batch: 260519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	6020B	260042
MB 860-260042/1-A	Method Blank	Total/NA	Water	6020B	260042
LCS 860-260042/2-A	Lab Control Sample	Total/NA	Water	6020B	260042
LCSD 860-260042/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	260042

Prep Batch: 260534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	7470A	
LB 860-260067/1-E	Method Blank	Total/NA	Water	7470A	260067
MB 860-260534/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-260534/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-260534/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 260653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	7470A	260534
LB 860-260067/1-E	Method Blank	Total/NA	Water	7470A	260534
MB 860-260534/1-A	Method Blank	Total/NA	Water	7470A	260534
LCS 860-260534/2-A	Lab Control Sample	Total/NA	Water	7470A	260534
LCSD 860-260534/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	260534

Prep Batch: 260704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	3010A	
MB 860-260704/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-260704/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-260704/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

QC Association Summary

Client: HDR Inc
Job ID: 870-39527-1
Project/Site: Gibbons Creek Steam Electric Station

Metals

Analysis Batch: 260756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	6020B	260042

Analysis Batch: 261045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	6010D	260704
MB 860-260704/1-A	Method Blank	Total/NA	Water	6010D	260704
LCS 860-260704/2-A	Lab Control Sample	Total/NA	Water	6010D	260704
LCSD 860-260704/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	260704

General Chemistry

Analysis Batch: 31493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	SM 2540C	
MB 870-31493/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-31493/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-31493/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 31515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 260156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	SM 2320B	
MB 860-260156/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-260156/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-260156/6	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 734890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	PrecSep-21	
MB 160-734890/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-734890/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 734891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	PrecSep_0	
MB 160-734891/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-734891/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 735068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-39527-1	EB2	Total/NA	Water	Fill_Geo-21	
MB 160-735068/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-735068/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-39527-1 DU	EB2	Total/NA	Water	Fill_Geo-21	

Lab Chronicle

Client: HDR Inc
Job ID: 870-39527-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: EB2
Date Collected: 08/28/25 13:45
Date Received: 09/03/25 09:51

Lab Sample ID: 870-39527-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			260119	09/05/25 16:26	HN	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260704	09/09/25 09:40	MD	EET HOU
Total/NA	Analysis	6010D		1			261045	09/09/25 17:49	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260042	09/05/25 09:16	MD	EET HOU
Total/NA	Analysis	6020B		1			260519	09/06/25 01:42	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	260042	09/05/25 09:16	MD	EET HOU
Total/NA	Analysis	6020B		1			260756	09/08/25 16:28	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	260534	09/08/25 13:35	AGR	EET HOU
Total/NA	Analysis	7470A		1			260653	09/08/25 21:19	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			260156	09/05/25 12:25	CT	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	31493	09/03/25 16:08	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			31515	09/04/25 14:32	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	735068	09/08/25 13:21	SAC	EET SL
Total/NA	Analysis	901.1		1			738186	09/29/25 09:02	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.28 mL	1.0 g	734890	09/05/25 08:30	JTR	EET SL
Total/NA	Analysis	903.0		1			738603	10/01/25 17:49	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.28 mL	1.0 g	734891	09/05/25 08:38	JTR	EET SL
Total/NA	Analysis	904.0		1			738607	10/01/25 12:01	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-39527-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Job ID: 870-39527-1
Project/Site: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Job ID: 870-39527-1
Project/Site: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-39527-1	EB2	Water	08/28/25 13:45	09/03/25 09:51	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

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10/13/2025

Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14120-4663.1
Client Contact: Courtney Stewart	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: courtney.stewart@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
EB2	08/28/25	1345	G	Water			X	X	X	X	X	X		X	X		
				Water													
				Water													
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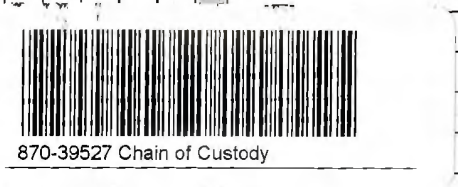

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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: 8837 5652 5810		
Relinquished by: WRC Cuba	Date/Time: 09/02/25 1400	Company	Received by: Fed Ex	Date/Time:	Company
Relinquished by: Fed Ex	Date/Time:	Company	Received by:	Date/Time: 9/3/25 9:51	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.0 10.7 THM042 -0.3

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9044.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-39527-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/10/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
EB2 (870-39527-1)	8/28/25	13:45 Central	G	Water			X	X	X	2	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		09/03/25-1700		SEP 03 2025	0815 SEP 04 2025	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9050.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-39527-1
Address: 4145 Greenbriar Dr	Due Date Requested: 9/9/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	Total Number of containers
			Preservation Code:									
EB2 (870-39527-1)	8/28/25	13:45 Central	G	Water			X	X	X	X	X	3

Preservation Codes:

Other: N/A

Special Instructions/Note:

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 09/03/25 - 1700	Company	Received by:	Date/Time: SEP 04 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: Time: 01:00	Company

Received

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39527-1
SDG Number:

Login Number: 39527
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39527-1
SDG Number:

Login Number: 39527
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 09/04/25 07:47 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-39527-1
SDG Number:

Login Number: 39527
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 09/04/25 10:15 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

October 2025 Event

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 12/2/2025 4:35:42 PM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station

JOB NUMBER

870-40847-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

myEOL

Eurofins Dallas

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
12/2/2025 4:35:42 PM

Authorized for release by
Mike Kimmel, Project Manager
Mike.Kimmel@et.eurofinsus.com
Designee for
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
870-40847-1

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 10/17/2025 10:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.2°C, 0.4°C, 0.4°C and 0.6°C.

HPLC/IC
Method 9056A_ORGFM_28D: Due to the high concentration of Chloride, Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-270450 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 860-270812 contained Sulfate above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

Metals
Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-270247 and analytical batch 860-270628 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The following samples were diluted due to the nature of the sample matrix: SFL MW-7S (870-40847-1), SFL MW-2D (870-40847-3), SFL MW-1S (cont) (870-40847-4), SFL MW-8S (870-40847-5) and SFL MW-1S (870-40847-9). Elevated reporting limits (RLs) are provided.

Method 6010D: The following samples were diluted due to the nature of the sample matrix: SFL MW-8D (870-40847-6), FD-3 (870-40847-7) and SFL MW-15D (870-40847-8). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: The method blank for preparation batch 860-271207 and analytical batch 860-271468 contained Lithium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D - Dissolved: The continuing calibration blank (CCB) for analytical batch 860-271654 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: SFL MW-7S (870-40847-1). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: SFL MW-1S (870-40847-9). Elevated reporting limits (RLs) are provided.

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

Job ID: 870-40847-1 (Continued) Eurofins Dallas

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SFL MW-7S (870-40847-1), SFL MW-4S (870-40847-2), SFL MW-2D (870-40847-3), SFL MW-1S (cont) (870-40847-4), SFL MW-8S (870-40847-5), SFL MW-8D (870-40847-6), FD-3 (870-40847-7), SFL MW-15D (870-40847-8) and SFL MW-1S (870-40847-9).

Method SM4500_H+: The following samples were received outside of holding time: SFL MW-6D (870-40847-10) and FB-3 (870-40847-11).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 741535
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SFL MW-7S (870-40847-1), SFL MW-4S (870-40847-2), SFL MW-2D (870-40847-3), SFL MW-1S (cont) (870-40847-4), SFL MW-8S (870-40847-5), FD-3 (870-40847-7), SFL MW-15D (870-40847-8) and SFL MW-1S (870-40847-9)

Method 901.1_Ra: Gamma Batch 741535
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-7S (870-40847-1), SFL MW-4S (870-40847-2), SFL MW-2D (870-40847-3), SFL MW-1S (cont) (870-40847-4), SFL MW-8S (870-40847-5), SFL MW-8D (870-40847-6), FD-3 (870-40847-7), SFL MW-15D (870-40847-8), SFL MW-1S (870-40847-9), (870-40830-B-1-D) and (870-40830-B-1-E DU)

Method 901.1_Ra: Gamma Batch 741535
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-741535/1-A).

Method 901.1_Ra: Gamma Batch 741563

Job ID: 870-40847-1 (Continued) Eurofins Dallas

The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-741563/1-A).

Method 901.1_Ra: Gamma Batch 741563
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SFL MW-6D (870-40847-10) and FB-3 (870-40847-11)

Method 901.1_Ra: Gamma Batch 741563
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-6D (870-40847-10), FB-3 (870-40847-11) and (870-40847-B-10-B DU)

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

Gas Flow Proportional Counter
Method 903.0: Radium 226 Prep Batch 160-741526

Insufficient sample volume was available to perform a sample duplicate for the following samples: SFL MW-7S (870-40847-1), SFL MW-4S (870-40847-2), SFL MW-2D (870-40847-3), SFL MW-1S (cont) (870-40847-4), SFL MW-8S (870-40847-5), SFL MW-8D (870-40847-6), FD-3 (870-40847-7), SFL MW-15D (870-40847-8) and SFL MW-1S (870-40847-9). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 Prep Batch 160-741527

Insufficient sample volume was available to perform a sample duplicate for the following samples: SFL MW-7S (870-40847-1), SFL MW-4S (870-40847-2), SFL MW-2D (870-40847-3), SFL MW-1S (cont) (870-40847-4), SFL MW-8S (870-40847-5), SFL MW-8D (870-40847-6), FD-3 (870-40847-7), SFL MW-15D (870-40847-8) and SFL MW-1S (870-40847-9). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Job ID: 870-40847-1 (Continued)

Method 904.0: Radium-228 batch 741529
The detection goal was not met for the following sample due to the reduced sample volume in prep attributed to the presence of matrix interferences: SFL MW-6D (870-40847-10). Analytical results are reported with the detection limit achieved.

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

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-40847-1

Date Collected: 10/15/25 11:30
Matrix: Water

Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4800**		5.00	2.50	mg/L			10/24/25 15:50	10
Fluoride	<1.00	U	5.00	1.00	mg/L			10/24/25 15:50	10
Sulfate	**1680**		5.00	2.00	mg/L			10/24/25 15:50	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.740**		0.250	0.0809	mg/L		10/22/25 12:57	10/23/25 16:03	5
Calcium	**1010**		1.00	0.508	mg/L		10/22/25 12:57	10/23/25 16:03	5
Magnesium	**212**		1.00	0.222	mg/L		10/22/25 12:57	10/23/25 16:03	5
Potassium	**32.9**		2.50	0.530	mg/L		10/22/25 12:57	10/23/25 16:03	5
Sodium	**1750**		2.50	0.759	mg/L		10/22/25 12:57	10/23/25 16:03	5
Lithium	**0.615**		0.200	0.0868	mg/L		10/22/25 12:57	10/23/25 16:03	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0275	U	0.100	0.0275	mg/L		10/22/25 12:51	10/24/25 17:19	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		10/22/25 12:51	10/24/25 17:19	5
Arsenic	<0.00345	U	0.0200	0.00345	mg/L		10/22/25 12:51	10/24/25 17:19	5
Barium	**0.0355**		0.0200	0.00671	mg/L		10/22/25 12:51	10/24/25 17:19	5
Beryllium	<0.00136	U	0.0100	0.00136	mg/L		10/22/25 12:51	10/24/25 17:19	5
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		10/22/25 12:51	10/24/25 17:19	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		10/22/25 12:51	10/24/25 17:19	5
Cobalt	<0.00178	U	0.0100	0.00178	mg/L		10/22/25 12:51	10/24/25 17:19	5
Iron	**0.800**		0.100	0.0223	mg/L		10/22/25 12:51	10/24/25 17:19	5
Lead	<0.00184	U	0.0100	0.00184	mg/L		10/22/25 12:51	10/24/25 17:19	5
Molybdenum	<0.00128	U	0.0100	0.00128	mg/L		10/22/25 12:51	10/24/25 17:19	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		10/22/25 12:51	10/24/25 17:19	5
Thallium	<0.00208	U	0.0100	0.00208	mg/L		10/22/25 12:51	10/24/25 17:19	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/21/25 07:44	10/21/25 20:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**110**		4.00	4.00	mg/L			10/23/25 17:57	1
Total Dissolved Solids (SM 2540C)	**6680**		50.0	50.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	**5.9**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**22.3**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-11.6	U G	49.1	49.1	50.0	85.1	pCi/L	10/21/25 09:43	11/11/25 07:14	1
Radium-228	17.9	U G	43.6	43.7	50.0	94.4	pCi/L	10/21/25 09:43	11/11/25 07:14	1
Combined Radium 226 + 228	6.26	U	65.7	65.7		94.4	pCi/L	10/21/25 09:43	11/11/25 07:14	1

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-40847-1
Date Collected: 10/15/25 11:30
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.68**		0.398	0.426	1.00	0.327	pCi/L	10/21/25 08:47	11/18/25 08:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**7.89**		0.996	1.23	1.00	0.691	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: SFL MW-4S
Lab Sample ID: 870-40847-2
Date Collected: 10/15/25 13:00
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4260**		5.00	2.50	mg/L			10/24/25 16:10	10
Fluoride	<1.00	U	5.00	1.00	mg/L			10/24/25 16:10	10
Sulfate	**2410**		5.00	2.00	mg/L			10/24/25 16:10	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.83**		0.0500	0.0162	mg/L		10/22/25 12:57	10/23/25 15:04	1
Calcium	**1070**		10.0	5.08	mg/L		10/22/25 12:57	10/23/25 15:12	50
Magnesium	**262**		0.200	0.0445	mg/L		10/22/25 12:57	10/23/25 15:04	1
Potassium	**76.5**		0.500	0.106	mg/L		10/22/25 12:57	10/23/25 15:04	1
Sodium	**1530**		25.0	7.59	mg/L		10/22/25 12:57	10/23/25 15:12	50
Lithium	**0.819**		0.0400	0.0174	mg/L		10/22/25 12:57	10/23/25 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4.24**		0.0200	0.00549	mg/L		10/21/25 13:53	10/22/25 15:01	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/21/25 13:53	10/22/25 15:01	1
Arsenic	**0.00455**		0.00400	0.000690	mg/L		10/21/25 13:53	10/22/25 15:01	1
Barium	**0.0428**		0.00400	0.00134	mg/L		10/21/25 13:53	10/22/25 15:01	1
Beryllium	**0.0557**		0.00200	0.000271	mg/L		10/21/25 13:53	10/22/25 15:01	1
Cadmium	**0.0316**		0.00200	0.000240	mg/L		10/21/25 13:53	10/22/25 15:01	1
Chromium	**0.00551**		0.00400	0.000560	mg/L		10/21/25 13:53	10/22/25 15:01	1
Cobalt	**0.109**		0.00200	0.000355	mg/L		10/21/25 13:53	10/22/25 15:01	1
Iron	**0.422**		0.0200	0.00445	mg/L		10/21/25 13:53	10/22/25 15:01	1
Lead	**0.00344**		0.00200	0.000367	mg/L		10/21/25 13:53	10/22/25 15:01	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/21/25 13:53	10/22/25 15:01	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/21/25 13:53	10/22/25 15:01	1
Thallium	**0.00520**		0.00200	0.000415	mg/L		10/21/25 13:53	10/22/25 15:01	1

Client Sample ID: SFL MW-4S
Lab Sample ID: 870-40847-2
Date Collected: 10/15/25 13:00
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/21/25 07:44	10/21/25 20:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/23/25 18:03	1
Total Dissolved Solids (SM 2540C)	**6510**		50.0	50.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	**4.4**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**23.0**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-1.55	U	24.7	24.7	50.0	43.3	pCi/L	10/21/25 09:43	11/11/25 07:15	1
Radium-228	-5.18	U G	16.7	16.7	50.0	66.3	pCi/L	10/21/25 09:43	11/11/25 07:15	1
Combined Radium 226 + 228	-6.73	U	29.8	29.8		66.3	pCi/L	10/21/25 09:43	11/11/25 07:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.19**		0.456	0.496	1.00	0.350	pCi/L	10/21/25 08:47	11/18/25 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.8*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**6.41**		0.944	1.11	1.00	0.780	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.8*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-40847-3
Date Collected: 10/15/25 14:45
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1570**		5.00	2.50	mg/L			10/24/25 11:32	10
Fluoride	<0.100	U	0.500	0.100	mg/L			10/24/25 11:22	1
Sulfate	**1590**		5.00	2.00	mg/L			10/24/25 11:32	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**2.28**		0.250	0.0809	mg/L		10/22/25 12:57	10/23/25 16:16	5
Calcium	**435**		1.00	0.508	mg/L		10/22/25 12:57	10/23/25 16:16	5
Magnesium	**56.5**		1.00	0.222	mg/L		10/22/25 12:57	10/23/25 16:16	5

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-40847-3

Date Collected: 10/15/25 14:45
Matrix: Water

Date Received: 10/17/25 10:23

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**44.7**		2.50	0.530	mg/L		10/22/25 12:57	10/23/25 16:16	5
Sodium	**965**		2.50	0.759	mg/L		10/22/25 12:57	10/23/25 16:16	5
Lithium	**0.418**		0.200	0.0868	mg/L		10/22/25 12:57	10/23/25 16:16	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0352**		0.0200	0.00549	mg/L		10/23/25 09:30	10/25/25 03:02	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/23/25 09:30	10/25/25 03:02	1
Arsenic	**0.00579**		0.00400	0.000690	mg/L		10/23/25 09:30	10/25/25 03:02	1
Barium	**0.0250**		0.00400	0.00134	mg/L		10/23/25 09:30	10/25/25 03:02	1
Beryllium	**0.000395**	**J**	0.00200	0.000271	mg/L		10/23/25 09:30	10/25/25 03:02	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/23/25 09:30	10/25/25 03:02	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/23/25 09:30	10/25/25 03:02	1
Cobalt	**0.00565**		0.00200	0.000355	mg/L		10/23/25 09:30	10/25/25 03:02	1
Iron	**0.402**		0.0200	0.00445	mg/L		10/23/25 09:30	10/25/25 03:02	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/23/25 09:30	10/25/25 03:02	1
Molybdenum	**0.000767**	**J**	0.00200	0.000255	mg/L		10/23/25 09:30	10/25/25 03:02	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/23/25 09:30	10/25/25 03:02	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/23/25 09:30	10/25/25 03:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 06:30	10/22/25 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**54.7**		4.00	4.00	mg/L			10/23/25 17:52	1
Total Dissolved Solids (SM 2540C)	**3880**		20.0	20.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	**5.9**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**23.7**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-4.27	U G	31.6	31.6	50.0	54.6	pCi/L	10/21/25 09:43	11/11/25 07:13	1
Radium-228	**31.1**		20.9	21.1	50.0	26.3	pCi/L	10/21/25 09:43	11/11/25 07:13	1
Combined Radium 226 + 228	26.9	U	37.9	38.0		54.6	pCi/L	10/21/25 09:43	11/11/25 07:13	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.901**		0.348	0.357	1.00	0.388	pCi/L	10/21/25 08:47	11/18/25 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.0*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:03*	*1*

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-40847-3
Date Collected: 10/15/25 14:45
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.09		0.686	0.742	1.00	0.660	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.0*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*87.5*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: SFL MW-1S (cont)
Lab Sample ID: 870-40847-4
Date Collected: 10/15/25 08:55
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		5.00	2.50	mg/L			10/24/25 11:51	10
Fluoride	1.21		0.500	0.100	mg/L			10/24/25 11:41	1
Sulfate	1890		5.00	2.00	mg/L			10/24/25 11:51	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.223	J	0.250	0.0809	mg/L		10/22/25 12:57	10/23/25 16:17	5
Calcium	840		1.00	0.508	mg/L		10/22/25 12:57	10/23/25 16:17	5
Magnesium	164		1.00	0.222	mg/L		10/22/25 12:57	10/23/25 16:17	5
Potassium	14.3		2.50	0.530	mg/L		10/22/25 12:57	10/23/25 16:17	5
Sodium	765		2.50	0.759	mg/L		10/22/25 12:57	10/23/25 16:17	5
Lithium	0.307		0.200	0.0868	mg/L		10/22/25 12:57	10/23/25 16:17	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4.00		0.0200	0.00549	mg/L		10/23/25 09:30	10/25/25 02:12	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/23/25 09:30	10/25/25 02:12	1
Arsenic	0.00796		0.00400	0.000690	mg/L		10/23/25 09:30	10/25/25 02:12	1
Barium	0.0294		0.00400	0.00134	mg/L		10/23/25 09:30	10/25/25 02:12	1
Beryllium	0.0441		0.00200	0.000271	mg/L		10/23/25 09:30	10/25/25 02:12	1
Cadmium	0.0372		0.00200	0.000240	mg/L		10/23/25 09:30	10/25/25 02:12	1
Chromium	0.00128	J	0.00400	0.000560	mg/L		10/23/25 09:30	10/25/25 02:12	1
Cobalt	0.255		0.00200	0.000355	mg/L		10/23/25 09:30	10/25/25 02:12	1
Iron	3.67		0.0200	0.00445	mg/L		10/23/25 09:30	10/25/25 02:12	1
Lead	0.00325		0.00200	0.000367	mg/L		10/23/25 09:30	10/25/25 02:12	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/23/25 09:30	10/25/25 02:12	1
Selenium	0.00157	J	0.00200	0.000590	mg/L		10/23/25 09:30	10/25/25 02:12	1
Thallium	0.00507		0.00200	0.000415	mg/L		10/23/25 09:30	10/25/25 02:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 06:30	10/22/25 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/23/25 18:25	1
Total Dissolved Solids (SM 2540C)	5570		20.0	20.0	mg/L			10/22/25 09:11	1

Client Sample ID: SFL MW-1S (cont)
Lab Sample ID: 870-40847-4
Date Collected: 10/15/25 08:55
Matrix: Water
Date Received: 10/17/25 10:23

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	4.4	HF			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	23.3	HF			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.60	U G	5.59	5.59	50.0	53.7	pCi/L	10/21/25 09:43	11/11/25 07:15	1
Radium-228	13.3	U	29.5	29.5	50.0	47.4	pCi/L	10/21/25 09:43	11/11/25 07:15	1
Combined Radium 226 + 228	14.9	U	30.0	30.0		53.7	pCi/L	10/21/25 09:43	11/11/25 07:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.806		0.280	0.290	1.00	0.279	pCi/L	10/21/25 08:47	11/18/25 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.14		0.606	0.637	1.00	0.702	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*79.3*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-40847-5
Date Collected: 10/15/25 11:10
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		5.00	2.50	mg/L			10/24/25 12:10	10
Fluoride	0.667		0.500	0.100	mg/L			10/24/25 12:01	1
Sulfate	1880		5.00	2.00	mg/L			10/24/25 12:10	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	18.9		0.250	0.0809	mg/L		10/22/25 12:57	10/23/25 16:19	5
Calcium	510		1.00	0.508	mg/L		10/22/25 12:57	10/23/25 16:19	5
Magnesium	115		1.00	0.222	mg/L		10/22/25 12:57	10/23/25 16:19	5
Potassium	25.5		2.50	0.530	mg/L		10/22/25 12:57	10/23/25 16:19	5
Sodium	630		2.50	0.759	mg/L		10/22/25 12:57	10/23/25 16:19	5
Lithium	0.354		0.200	0.0868	mg/L		10/22/25 12:57	10/23/25 16:19	5

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-40847-5

Date Collected: 10/15/25 11:10
Matrix: Water

Date Received: 10/17/25 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10.4**		0.100	0.0275	mg/L		10/23/25 09:30	10/25/25 02:24	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/23/25 09:30	10/25/25 02:21	1
Arsenic	**0.0106**		0.00400	0.000690	mg/L		10/23/25 09:30	10/25/25 02:21	1
Barium	**0.0279**		0.00400	0.00134	mg/L		10/23/25 09:30	10/25/25 02:21	1
Beryllium	**0.0426**		0.00200	0.000271	mg/L		10/23/25 09:30	10/25/25 02:21	1
Cadmium	**0.00485**		0.00200	0.000240	mg/L		10/23/25 09:30	10/25/25 02:21	1
Chromium	**0.000770**	**J**	0.00400	0.000560	mg/L		10/23/25 09:30	10/25/25 02:21	1
Cobalt	**0.120**		0.00200	0.000355	mg/L		10/23/25 09:30	10/25/25 02:21	1
Iron	**27.8**		0.100	0.0223	mg/L		10/23/25 09:30	10/25/25 02:24	5
Lead	**0.0214**		0.00200	0.000367	mg/L		10/23/25 09:30	10/25/25 02:21	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/23/25 09:30	10/25/25 02:21	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/23/25 09:30	10/25/25 02:21	1
Thallium	**0.00328**		0.00200	0.000415	mg/L		10/23/25 09:30	10/25/25 02:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 06:30	10/22/25 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/23/25 14:36	1
Total Dissolved Solids (SM 2540C)	**4760**		20.0	20.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	**3.7**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**22.6**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-12.9	U G	35.2	35.2	50.0	61.5	pCi/L	10/21/25 09:43	11/11/25 07:15	1
Radium-228	9.27	U G	29.9	29.9	50.0	50.2	pCi/L	10/21/25 09:43	11/11/25 07:15	1
Combined Radium 226 + 228	-3.61	U	46.2	46.2		61.5	pCi/L	10/21/25 09:43	11/11/25 07:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.867**		0.299	0.309	1.00	0.310	pCi/L	10/21/25 08:47	11/18/25 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**4.67**		0.793	0.902	1.00	0.754	pCi/L	10/21/25 08:51	11/17/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:28*	*1*

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-40847-5
Date Collected: 10/15/25 11:10
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	85.6		30 - 110	10/21/25 08:51	11/17/25 12:28	1

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-40847-6
Date Collected: 10/15/25 12:55
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**393**		0.500	0.250	mg/L			10/24/25 12:20	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/24/25 12:20	1
Sulfate	**691**		5.00	2.00	mg/L			10/24/25 12:29	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.680**		0.250	0.0809	mg/L		10/23/25 09:30	10/23/25 18:16	5
Calcium	**167**		1.00	0.508	mg/L		10/23/25 09:30	10/23/25 18:16	5
Magnesium	**30.3**		1.00	0.222	mg/L		10/23/25 09:30	10/23/25 18:16	5
Potassium	**25.0**		2.50	0.530	mg/L		10/23/25 09:30	10/23/25 18:16	5
Sodium	**355**		2.50	0.759	mg/L		10/23/25 09:30	10/23/25 18:16	5
Lithium	**0.116**	**J**	0.200	0.0868	mg/L		10/23/25 09:30	10/23/25 18:16	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00653**	**J**	0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:32	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:32	1
Arsenic	**0.00260**	**J**	0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:32	1
Barium	**0.0362**		0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:32	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:32	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:32	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:32	1
Cobalt	**0.00162**	**J**	0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:32	1
Iron	**1.03**		0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:32	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:32	1
Molybdenum	**0.00169**	**J**	0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:32	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:32	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:36	10/23/25 18:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**143**		4.00	4.00	mg/L			10/23/25 13:01	1
Total Dissolved Solids (SM 2540C)	**1510**		10.0	10.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**23.3**	**HF**			Celsius			10/21/25 14:27	1

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-40847-6
Date Collected: 10/15/25 12:55
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**41.1**		23.3	23.7	50.0	23.8	pCi/L	10/21/25 09:43	11/11/25 08:49	1
Radium-228	14.3	U	24.6	24.6	50.0	39.2	pCi/L	10/21/25 09:43	11/11/25 08:49	1
Combined Radium 226 + 228	**55.4**		33.9	34.2		39.2	pCi/L	10/21/25 09:43	11/11/25 08:49	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.372**		0.249	0.251	1.00	0.362	pCi/L	10/21/25 08:47	11/18/25 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.25**		0.546	0.584	1.00	0.563	pCi/L	10/21/25 08:51	11/17/25 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:15*	*1*
Y Carrier	*83.7*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:15*	*1*

Client Sample ID: FD-3
Lab Sample ID: 870-40847-7
Date Collected: 10/15/25 09:00
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2410**		5.00	2.50	mg/L			10/24/25 00:56	10
Fluoride	**1.24**		0.500	0.100	mg/L			10/24/25 00:46	1
Sulfate	**1870**		5.00	2.00	mg/L			10/24/25 00:56	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.269**		0.250	0.0809	mg/L		10/23/25 09:30	10/23/25 18:18	5
Calcium	**945**		1.00	0.508	mg/L		10/23/25 09:30	10/23/25 18:18	5
Magnesium	**185**		1.00	0.222	mg/L		10/23/25 09:30	10/23/25 18:18	5
Potassium	**16.9**		2.50	0.530	mg/L		10/23/25 09:30	10/23/25 18:18	5
Sodium	**870**		2.50	0.759	mg/L		10/23/25 09:30	10/23/25 18:18	5
Lithium	**0.274**		0.200	0.0868	mg/L		10/23/25 09:30	10/23/25 18:18	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4.13**		0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:34	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:34	1
Arsenic	**0.00808**		0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:34	1
Barium	**0.0304**		0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:34	1
Beryllium	**0.0448**		0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:34	1

Client Sample ID: FD-3
Lab Sample ID: 870-40847-7

Date Collected: 10/15/25 09:00
Matrix: Water

Date Received: 10/17/25 10:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.0391**		0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:34	1
Chromium	**0.00124**	**J**	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:34	1
Cobalt	**0.265**		0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:34	1
Iron	**3.78**		0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:34	1
Lead	**0.00341**		0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:34	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:34	1
Selenium	**0.00173**	**J**	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:34	1
Thallium	**0.00529**		0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:36	10/23/25 18:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/23/25 17:27	1
Total Dissolved Solids (SM 2540C)	**5520**		20.0	20.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	**4.4**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**23.6**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.95	U G	31.7	31.7	50.0	79.1	pCi/L	10/21/25 09:43	11/11/25 08:50	1
Radium-228	15.7	U G	39.1	39.2	50.0	65.2	pCi/L	10/21/25 09:43	11/11/25 08:50	1
Combined Radium 226 + 228	18.6	U	50.3	50.4		79.1	pCi/L	10/21/25 09:43	11/11/25 08:50	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.366	U	0.280	0.282	1.00	0.419	pCi/L	10/21/25 08:47	11/18/25 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.1*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.32**		0.513	0.528	1.00	0.646	pCi/L	10/21/25 08:51	11/17/25 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.1*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:17*	*1*
Y Carrier	*82.6*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:17*	*1*

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-15D
Lab Sample ID: 870-40847-8
Date Collected: 10/15/25 14:35
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	866		5.00	2.50	mg/L			10/24/25 00:36	10
Fluoride	0.114	J	0.500	0.100	mg/L			10/24/25 00:27	1
Sulfate	1180		5.00	2.00	mg/L			10/24/25 00:36	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.408		0.250	0.0809	mg/L		10/23/25 09:30	10/23/25 18:19	5
Calcium	344		1.00	0.508	mg/L		10/23/25 09:30	10/23/25 18:19	5
Magnesium	53.5		1.00	0.222	mg/L		10/23/25 09:30	10/23/25 18:19	5
Potassium	40.8		2.50	0.530	mg/L		10/23/25 09:30	10/23/25 18:19	5
Sodium	660		2.50	0.759	mg/L		10/23/25 09:30	10/23/25 18:19	5
Lithium	0.240		0.200	0.0868	mg/L		10/23/25 09:30	10/23/25 18:19	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0769		0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:37	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:37	1
Arsenic	0.000911	J	0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:37	1
Barium	0.0402		0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:37	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:37	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:37	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:37	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:37	1
Iron	1.98		0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:37	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:37	1
Molybdenum	0.000388	J	0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:37	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:37	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:36	10/23/25 18:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	107		4.00	4.00	mg/L			10/23/25 17:22	1
Total Dissolved Solids (SM 2540C)	2150		10.0	10.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	6.4	HF			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	23.4	HF			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	13.4	U G	17.2	17.2	50.0	59.2	pCi/L	10/21/25 09:43	11/11/25 08:51	1
Radium-228	-22.8	U G	26.3	26.4	50.0	63.8	pCi/L	10/21/25 09:43	11/11/25 08:51	1
Combined Radium 226 + 228	-9.33	U	31.4	31.5		63.8	pCi/L	10/21/25 09:43	11/11/25 08:51	1

Client Sample ID: SFL MW-15D
Lab Sample ID: 870-40847-8
Date Collected: 10/15/25 14:35
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.922		0.344	0.354	1.00	0.400	pCi/L	10/21/25 08:47	11/18/25 07:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.0*		*30 - 110*	*10/21/25 08:47*	*11/18/25 07:58*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.34		0.503	0.518	1.00	0.626	pCi/L	10/21/25 08:51	11/17/25 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.0*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:17*	*1*
Y Carrier	*85.2*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:17*	*1*

Client Sample ID: SFL MW-1S
Lab Sample ID: 870-40847-9
Date Collected: 10/15/25 15:30
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2720		5.00	2.50	mg/L			10/24/25 02:12	10
Fluoride	0.180	J	0.500	0.100	mg/L			10/24/25 02:03	1
Sulfate	1300		5.00	2.00	mg/L			10/24/25 02:12	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.356		0.250	0.0809	mg/L		10/22/25 12:57	10/23/25 16:21	5
Calcium	650		1.00	0.508	mg/L		10/22/25 12:57	10/23/25 16:21	5
Magnesium	99.0		1.00	0.222	mg/L		10/22/25 12:57	10/23/25 16:21	5
Potassium	39.8		2.50	0.530	mg/L		10/22/25 12:57	10/23/25 16:21	5
Sodium	1260		2.50	0.759	mg/L		10/22/25 12:57	10/23/25 16:21	5
Lithium	0.338		0.200	0.0868	mg/L		10/22/25 12:57	10/23/25 16:21	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		10/26/25 12:30	10/28/25 12:53	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		10/26/25 12:30	10/28/25 12:53	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/26/25 12:30	10/28/25 12:53	1
Barium	0.0462		0.0100	0.00125	mg/L		10/26/25 12:30	10/28/25 12:53	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/26/25 12:30	10/28/25 12:53	1
Boron	0.346		0.0500	0.0162	mg/L		10/26/25 12:30	10/28/25 12:53	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/26/25 12:30	10/28/25 12:53	1
Calcium	591		0.200	0.102	mg/L		10/26/25 12:30	10/28/25 12:53	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/26/25 12:30	10/28/25 12:53	1
Cobalt	0.00188	J	0.0100	0.00123	mg/L		10/26/25 12:30	10/28/25 12:53	1
Iron	0.420		0.200	0.0283	mg/L		10/26/25 12:30	10/28/25 12:53	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		10/26/25 12:30	10/28/25 12:53	1
Magnesium	95.4		0.200	0.0445	mg/L		10/26/25 12:30	10/28/25 12:53	1

Client Sample ID: SFL MW-1S
Lab Sample ID: 870-40847-9

Date Collected: 10/15/25 15:30
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		10/26/25 12:30	10/28/25 12:53	1
Potassium	**48.4**		0.500	0.106	mg/L		10/26/25 12:30	10/28/25 12:53	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		10/26/25 12:30	10/28/25 12:53	1
Sodium	**1240**	**^2**	25.0	7.59	mg/L		10/26/25 12:30	10/28/25 12:56	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		10/26/25 12:30	10/28/25 12:53	1
Li	**0.0404**		0.0400	0.0174	mg/L		10/26/25 12:30	10/28/25 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0110	U	0.0400	0.0110	mg/L		10/23/25 09:30	10/25/25 02:27	2
Antimony	<0.00150	U	0.00400	0.00150	mg/L		10/23/25 09:30	10/25/25 02:27	2
Arsenic	<0.00138	U	0.00800	0.00138	mg/L		10/23/25 09:30	10/25/25 02:27	2
Barium	**0.0531**		0.00800	0.00268	mg/L		10/23/25 09:30	10/25/25 02:27	2
Beryllium	<0.000542	U	0.00400	0.000542	mg/L		10/23/25 09:30	10/25/25 02:27	2
Cadmium	<0.000480	U	0.00400	0.000480	mg/L		10/23/25 09:30	10/25/25 02:27	2
Chromium	<0.00112	U	0.00800	0.00112	mg/L		10/23/25 09:30	10/25/25 02:27	2
Cobalt	**0.00395**	**J**	0.00400	0.000710	mg/L		10/23/25 09:30	10/25/25 02:27	2
Iron	**0.456**		0.0400	0.00890	mg/L		10/23/25 09:30	10/25/25 02:27	2
Lead	<0.000734	U	0.00400	0.000734	mg/L		10/23/25 09:30	10/25/25 02:27	2
Molybdenum	**0.00347**	**J**	0.00400	0.000510	mg/L		10/23/25 09:30	10/25/25 02:27	2
Selenium	**0.00125**	**J**	0.00400	0.00118	mg/L		10/23/25 09:30	10/25/25 02:27	2
Thallium	<0.000830	U	0.00400	0.000830	mg/L		10/23/25 09:30	10/25/25 02:27	2

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/24/25 11:08	10/24/25 20:12	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/24/25 11:04	10/24/25 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**171**		4.00	4.00	mg/L			10/23/25 17:42	1
Total Dissolved Solids (SM 2540C)	**5660**		20.0	20.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**22.9**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.485	U G	2.64	2.64	50.0	53.1	pCi/L	10/21/25 09:43	11/11/25 08:50	1
Radium-228	-2.99	U G	12.2	12.2	50.0	51.9	pCi/L	10/21/25 09:43	11/11/25 08:50	1
Combined Radium 226 + 228	-2.51	U	12.5	12.5		53.1	pCi/L	10/21/25 09:43	11/11/25 08:50	1

Client Sample ID: SFL MW-1S
Lab Sample ID: 870-40847-9
Date Collected: 10/15/25 15:30
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.71		0.382	0.412	1.00	0.296	pCi/L	10/21/25 08:47	11/18/25 07:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.9*		*30 - 110*	*10/21/25 08:47*	*11/18/25 07:58*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.17		0.773	0.908	1.00	0.571	pCi/L	10/21/25 08:51	11/17/25 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.9*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:17*	*1*
Y Carrier	*84.1*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:17*	*1*

Client Sample ID: SFL MW-6D
Lab Sample ID: 870-40847-10
Date Collected: 10/15/25 16:00
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		5.00	2.50	mg/L			10/24/25 02:31	10
Fluoride	0.177	J	0.500	0.100	mg/L			10/24/25 02:22	1
Sulfate	760		5.00	2.00	mg/L			10/24/25 02:31	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.810		0.0500	0.0162	mg/L		10/26/25 12:30	10/28/25 12:55	1
Calcium	212		0.200	0.102	mg/L		10/26/25 12:30	10/28/25 12:55	1
Magnesium	20.9		0.200	0.0445	mg/L		10/26/25 12:30	10/28/25 12:55	1
Potassium	45.7		0.500	0.106	mg/L		10/26/25 12:30	10/28/25 12:55	1
Sodium	725	^2	25.0	7.59	mg/L		10/26/25 12:30	10/28/25 12:58	50
Lithium	0.250		0.0400	0.0174	mg/L		10/26/25 12:30	10/28/25 12:55	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		10/27/25 10:00	10/27/25 19:48	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		10/27/25 10:00	10/27/25 19:48	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/27/25 10:00	10/27/25 19:48	1
Barium	0.0516		0.0100	0.00125	mg/L		10/27/25 10:00	10/27/25 19:48	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/27/25 10:00	10/27/25 19:48	1
Boron	0.894		0.0500	0.0162	mg/L		10/27/25 10:00	10/27/25 19:48	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/27/25 10:00	10/27/25 19:48	1
Calcium	245		0.200	0.102	mg/L		10/27/25 10:00	10/27/25 19:48	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/27/25 10:00	10/27/25 19:48	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		10/27/25 10:00	10/27/25 19:48	1
Iron	<0.0283	U	0.200	0.0283	mg/L		10/27/25 10:00	10/27/25 19:48	1
Lead	0.00636	J	0.0100	0.00368	mg/L		10/27/25 10:00	10/27/25 19:48	1
Magnesium	25.0		0.200	0.0445	mg/L		10/27/25 10:00	10/27/25 19:48	1

Client Sample ID: SFL MW-6D
Lab Sample ID: 870-40847-10

Date Collected: 10/15/25 16:00
Matrix: Water

Date Received: 10/17/25 10:23

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	0.00869	J	0.0100	0.00260	mg/L		10/27/25 10:00	10/27/25 19:48	1
Potassium	48.5		0.500	0.106	mg/L		10/27/25 10:00	10/27/25 19:48	1
Selenium	0.0220	J	0.0300	0.00927	mg/L		10/27/25 10:00	10/27/25 19:48	1
Sodium	845		25.0	7.59	mg/L		10/27/25 10:00	10/27/25 19:54	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		10/27/25 10:00	10/27/25 19:48	1
Li	0.283	B	0.0400	0.0174	mg/L		10/27/25 10:00	10/27/25 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11.8		0.100	0.0275	mg/L		10/23/25 09:30	10/25/25 02:33	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/23/25 09:30	10/25/25 02:30	1
Arsenic	0.00790		0.00400	0.000690	mg/L		10/23/25 09:30	10/25/25 02:30	1
Barium	0.0952		0.00400	0.00134	mg/L		10/23/25 09:30	10/25/25 02:30	1
Beryllium	0.00165	J	0.00200	0.000271	mg/L		10/23/25 09:30	10/25/25 02:30	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/23/25 09:30	10/25/25 02:30	1
Chromium	0.00940		0.00400	0.000560	mg/L		10/23/25 09:30	10/25/25 02:30	1
Cobalt	0.0105		0.00200	0.000355	mg/L		10/23/25 09:30	10/25/25 02:30	1
Iron	9.73		0.100	0.0223	mg/L		10/23/25 09:30	10/25/25 02:33	5
Lead	0.0170		0.00200	0.000367	mg/L		10/23/25 09:30	10/25/25 02:30	1
Molybdenum	0.0115		0.00200	0.000255	mg/L		10/23/25 09:30	10/25/25 02:30	1
Selenium	0.000622	J	0.00200	0.000590	mg/L		10/23/25 09:30	10/25/25 02:30	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/23/25 09:30	10/25/25 02:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/24/25 11:04	10/24/25 19:22	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/24/25 11:10	10/24/25 20:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	173		4.00	4.00	mg/L			10/23/25 18:30	1
Total Dissolved Solids (SM 2540C)	3010		20.0	20.0	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	7.2	HF			SU			10/23/25 13:15	1
Temperature (SM 4500 H+ B)	21.4	HF			Celsius			10/23/25 13:15	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	59.6		39.2	39.6	50.0	36.9	pCi/L	10/21/25 11:39	11/11/25 10:16	1
Radium-228	19.1	U G	44.0	44.0	50.0	72.1	pCi/L	10/21/25 11:39	11/11/25 10:16	1
Combined Radium 226 + 228	78.7		58.9	59.2		72.1	pCi/L	10/21/25 11:39	11/11/25 10:16	1

Client Sample ID: SFL MW-6D
Lab Sample ID: 870-40847-10
Date Collected: 10/15/25 16:00
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.09**		0.620	0.628	1.00	0.831	pCi/L	10/21/25 08:54	11/12/25 07:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.1*		*30 - 110*	*10/21/25 08:54*	*11/12/25 07:46*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.84**	**G**	1.48	1.52	1.00	1.86	pCi/L	10/21/25 08:57	11/11/25 10:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.1*		*30 - 110*	*10/21/25 08:57*	*11/11/25 10:43*	*1*
Y Carrier	*65.4*		*30 - 110*	*10/21/25 08:57*	*11/11/25 10:43*	*1*

Client Sample ID: FB-3
Lab Sample ID: 870-40847-11
Date Collected: 10/15/25 12:10
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/24/25 01:24	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/24/25 01:24	1
Sulfate	**0.204**	**J**	0.500	0.200	mg/L			10/24/25 01:24	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/26/25 12:30	10/28/25 13:22	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/26/25 12:30	10/28/25 13:22	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/26/25 12:30	10/28/25 13:22	1
Potassium	**0.130**	**J**	0.500	0.106	mg/L		10/26/25 12:30	10/28/25 13:22	1
Sodium	**0.234**	**J**	0.500	0.152	mg/L		10/26/25 12:30	10/28/25 13:22	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/26/25 12:30	10/28/25 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/23/25 09:30	10/25/25 02:36	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/23/25 09:30	10/25/25 02:36	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/23/25 09:30	10/25/25 02:36	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/23/25 09:30	10/25/25 02:36	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/23/25 09:30	10/25/25 02:36	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/23/25 09:30	10/25/25 02:36	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/23/25 09:30	10/25/25 02:36	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/23/25 09:30	10/25/25 02:36	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/23/25 09:30	10/25/25 02:36	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/23/25 09:30	10/25/25 02:36	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/23/25 09:30	10/25/25 02:36	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/23/25 09:30	10/25/25 02:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/23/25 09:30	10/25/25 02:36	1

Client Sample ID: FB-3
Lab Sample ID: 870-40847-11
Date Collected: 10/15/25 12:10
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/24/25 11:04	10/24/25 19:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/27/25 14:09	1
Total Dissolved Solids (SM 2540C)	**4.00**		2.50	2.50	mg/L			10/22/25 09:11	1
pH (SM 4500 H+ B)	**6.3**	**HF**			SU			10/23/25 13:15	1
Temperature (SM 4500 H+ B)	**22.6**	**HF**			Celsius			10/23/25 13:15	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	15.8	U G	25.1	25.1	50.0	73.3	pCi/L	10/21/25 11:39	11/11/25 10:16	1
Radium-228	-9.03	U G	32.8	32.8	50.0	58.4	pCi/L	10/21/25 11:39	11/11/25 10:16	1
Combined Radium 226 + 228	6.79	U	41.3	41.3		73.3	pCi/L	10/21/25 11:39	11/11/25 10:16	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.117	U	0.178	0.178	1.00	0.304	pCi/L	10/21/25 08:54	11/12/25 07:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*10/21/25 08:54*	*11/12/25 07:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0378	U	0.289	0.289	1.00	0.541	pCi/L	10/21/25 08:57	11/11/25 10:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*10/21/25 08:57*	*11/11/25 10:44*	*1*
Y Carrier	*78.9*		*30 - 110*	*10/21/25 08:57*	*11/11/25 10:44*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-40847-1	SFL MW-7S	80.3
870-40847-2	SFL MW-4S	76.8
870-40847-3	SFL MW-2D	71.0
870-40847-4	SFL MW-1S (cont)	83.3
870-40847-5	SFL MW-8S	82.0
870-40847-6	SFL MW-8D	88.3
870-40847-7	FD-3	75.1
870-40847-8	SFL MW-15D	73.0
870-40847-9	SFL MW-1S	83.9
870-40847-10	SFL MW-6D	63.1
870-40847-11	FB-3	85.5
LCS 160-741526/2-A	Lab Control Sample	82.0
LCS 160-741528/2-A	Lab Control Sample	85.0
LCSD 160-741526/3-A	Lab Control Sample Dup	83.9
MB 160-741526/1-A	Method Blank	83.1
MB 160-741528/1-A	Method Blank	83.1

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-40847-1	SFL MW-7S	80.3	81.5
870-40847-2	SFL MW-4S	76.8	83.0
870-40847-3	SFL MW-2D	71.0	87.5
870-40847-4	SFL MW-1S (cont)	83.3	79.3
870-40847-5	SFL MW-8S	82.0	85.6
870-40847-6	SFL MW-8D	88.3	83.7
870-40847-7	FD-3	75.1	82.6
870-40847-8	SFL MW-15D	73.0	85.2
870-40847-9	SFL MW-1S	83.9	84.1
870-40847-10	SFL MW-6D	63.1	65.4
870-40847-11	FB-3	85.5	78.9
LCS 160-741527/2-A	Lab Control Sample	82.0	81.1
LCS 160-741529/2-A	Lab Control Sample	85.0	71.4
LCSD 160-741527/3-A	Lab Control Sample Dup	83.9	80.4
MB 160-741527/1-A	Method Blank	83.1	81.1
MB 160-741529/1-A	Method Blank	83.1	76.3

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-270450/62
Matrix: Water
Analysis Batch: 270450

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/23/25 19:49	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/23/25 19:49	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/23/25 19:49	1

Lab Sample ID: LCS 860-270450/63
Matrix: Water
Analysis Batch: 270450

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.14		mg/L		101	90 - 110
Fluoride	10.0	9.717		mg/L		97	90 - 110
Sulfate	10.0	10.32		mg/L		103	90 - 110

Lab Sample ID: LCSD 860-270450/64
Matrix: Water
Analysis Batch: 270450

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
Chloride	10.0	10.25		mg/L		102	90 - 110	1	20
Fluoride	10.0	9.874		mg/L		99	90 - 110	2	20
Sulfate	10.0	10.41		mg/L		104	90 - 110	1	20

Lab Sample ID: LLCS 860-270450/66
Matrix: Water
Analysis Batch: 270450

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6840		mg/L		137	50 - 150
Fluoride	0.500	0.5206		mg/L		104	50 - 150
Sulfate	0.500	0.6417		mg/L		128	50 - 150

Lab Sample ID: 870-40847-10 MS
Matrix: Water
Analysis Batch: 270450

Client Sample ID: SFL MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.177	J	10.0	10.43		mg/L		103	90 - 110

Lab Sample ID: 870-40847-10 MSD
Matrix: Water
Analysis Batch: 270450

Client Sample ID: SFL MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.177	J	10.0	10.54		mg/L		104	90 - 110	1	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-270812/3
Matrix: Water
Analysis Batch: 270812

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/24/25 09:37	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/24/25 09:37	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/24/25 09:37	1

Lab Sample ID: LCS 860-270812/4
Matrix: Water
Analysis Batch: 270812

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.09		mg/L		101	90 - 110
Fluoride	10.0	9.689		mg/L		97	90 - 110
Sulfate	10.0	10.21		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-270812/5
Matrix: Water
Analysis Batch: 270812

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
Chloride	10.0	10.19		mg/L		102	90 - 110	1	20
Fluoride	10.0	9.860		mg/L		99	90 - 110	2	20
Sulfate	10.0	10.30		mg/L		103	90 - 110	1	20

Lab Sample ID: LLCS 860-270812/7
Matrix: Water
Analysis Batch: 270812

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6791		mg/L		136	50 - 150
Fluoride	0.500	0.5074		mg/L		101	50 - 150
Sulfate	0.500	0.6364		mg/L		127	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-270247/1-A
Matrix: Water
Analysis Batch: 270628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/22/25 12:56	10/23/25 14:59	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/22/25 12:56	10/23/25 14:59	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/22/25 12:56	10/23/25 14:59	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/22/25 12:56	10/23/25 14:59	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/22/25 12:56	10/23/25 14:59	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/22/25 12:56	10/23/25 14:59	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-270247/2-A
Matrix: Water
Analysis Batch: 270628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270247

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	0.9960		mg/L		100	80 - 120		
Calcium			25.0	25.20		mg/L		101	80 - 120		
Magnesium			25.0	25.20		mg/L		101	80 - 120		
Potassium			10.0	9.850		mg/L		99	80 - 120		
Sodium			25.0	24.50		mg/L		98	80 - 120		
Lithium			1.00	0.9580		mg/L		96	80 - 120		

Lab Sample ID: LCSD 860-270247/3-A
Matrix: Water
Analysis Batch: 270628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270247

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	0.9950		mg/L		100	80 - 120	0	20
Calcium			25.0	25.30		mg/L		101	80 - 120	0	20
Magnesium			25.0	25.20		mg/L		101	80 - 120	0	20
Potassium			10.0	9.860		mg/L		99	80 - 120	0	20
Sodium			25.0	24.50		mg/L		98	80 - 120	0	20
Lithium			1.00	0.9590		mg/L		96	80 - 120	0	20

Lab Sample ID: 870-40847-2 MS
Matrix: Water
Analysis Batch: 270628

Client Sample ID: SFL MW-4S
Prep Type: Total/NA
Prep Batch: 270247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	1.83		1.00	2.800		mg/L		97	75 - 125		
Calcium	847		25.0	875.0	4	mg/L		112	75 - 125		
Magnesium	262		25.0	289.0	4	mg/L		108	75 - 125		
Potassium	76.5		10.0	89.30	4	mg/L		128	75 - 125		
Sodium	1320		25.0	1350	4	mg/L		120	75 - 125		
Lithium	0.819		1.00	1.910		mg/L		109	75 - 125		

Lab Sample ID: 870-40847-2 MSD
Matrix: Water
Analysis Batch: 270628

Client Sample ID: SFL MW-4S
Prep Type: Total/NA
Prep Batch: 270247

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.83		1.00	2.800		mg/L		97	75 - 125	0	20
Calcium	847		25.0	875.0	4	mg/L		112	75 - 125	0	20
Magnesium	262		25.0	289.0	4	mg/L		108	75 - 125	0	20
Potassium	76.5		10.0	89.50	4	mg/L		130	75 - 125	0	20
Sodium	1320		25.0	1350	4	mg/L		120	75 - 125	0	20
Lithium	0.819		1.00	1.900		mg/L		108	75 - 125	1	20

Lab Sample ID: MB 860-270464/1-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/23/25 09:30	10/23/25 17:06	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-270464/1-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.102	U	0.200	0.102	mg/L		10/23/25 09:30	10/23/25 17:06	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/23/25 09:30	10/23/25 17:06	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/23/25 09:30	10/23/25 17:06	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/23/25 09:30	10/23/25 17:06	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/23/25 09:30	10/23/25 17:06	1

Lab Sample ID: LCS 860-270464/2-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.60		mg/L		102	80 - 120
Magnesium	25.0	25.50		mg/L		102	80 - 120
Potassium	10.0	9.940		mg/L		99	80 - 120
Sodium	25.0	24.70		mg/L		99	80 - 120
Lithium	1.00	0.9590		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-270464/3-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270464

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.000		mg/L		100	80 - 120	1	20
Calcium	25.0	25.50		mg/L		102	80 - 120	0	20
Magnesium	25.0	25.40		mg/L		102	80 - 120	0	20
Potassium	10.0	9.880		mg/L		99	80 - 120	1	20
Sodium	25.0	24.60		mg/L		98	80 - 120	0	20
Lithium	1.00	0.9600		mg/L		96	80 - 120	0	20

Lab Sample ID: MB 860-271100/1-A
Matrix: Water
Analysis Batch: 271654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		10/26/25 12:30	10/28/25 12:07	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		10/26/25 12:30	10/28/25 12:07	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/26/25 12:30	10/28/25 12:07	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		10/26/25 12:30	10/28/25 12:07	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/26/25 12:30	10/28/25 12:07	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/26/25 12:30	10/28/25 12:07	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/26/25 12:30	10/28/25 12:07	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/26/25 12:30	10/28/25 12:07	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/26/25 12:30	10/28/25 12:07	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		10/26/25 12:30	10/28/25 12:07	1
Iron	<0.0283	U	0.200	0.0283	mg/L		10/26/25 12:30	10/28/25 12:07	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		10/26/25 12:30	10/28/25 12:07	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/26/25 12:30	10/28/25 12:07	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		10/26/25 12:30	10/28/25 12:07	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-271100/1-A
Matrix: Water
Analysis Batch: 271654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.106	U	0.500	0.106	mg/L		10/26/25 12:30	10/28/25 12:07	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		10/26/25 12:30	10/28/25 12:07	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/26/25 12:30	10/28/25 12:07	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		10/26/25 12:30	10/28/25 12:07	1
Li	<0.0174	U	0.0400	0.0174	mg/L		10/26/25 12:30	10/28/25 12:07	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/26/25 12:30	10/28/25 12:07	1

Lab Sample ID: LCS 860-271100/2-A
Matrix: Water
Analysis Batch: 271654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.040		mg/L		101	80 - 120
Antimony	1.00	0.8990		mg/L		90	80 - 120
Arsenic	1.00	1.020		mg/L		102	80 - 120
Barium	1.00	1.020		mg/L		102	80 - 120
Beryllium	1.00	1.040		mg/L		104	80 - 120
Boron	1.00	1.000		mg/L		100	80 - 120
Cadmium	1.00	0.9960		mg/L		100	80 - 120
Calcium	25.0	25.50		mg/L		102	80 - 120
Chromium	1.00	1.030		mg/L		103	80 - 120
Cobalt	1.00	0.9780		mg/L		98	80 - 120
Iron	5.00	5.050		mg/L		101	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120
Magnesium	25.0	24.40		mg/L		98	80 - 120
Molybdenum	1.00	0.9860		mg/L		99	80 - 120
Potassium	10.0	9.940		mg/L		99	80 - 120
Selenium	1.00	1.020		mg/L		102	80 - 120
Sodium	25.0	24.30		mg/L		97	80 - 120
Thallium	1.00	1.050		mg/L		105	80 - 120
Li	1.00	0.9250		mg/L		93	80 - 120
Lithium	1.00	0.9250		mg/L		93	80 - 120

Lab Sample ID: LCSD 860-271100/3-A
Matrix: Water
Analysis Batch: 271654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 271100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.050		mg/L		101	80 - 120	0	20
Antimony	1.00	0.9330		mg/L		93	80 - 120	4	20
Arsenic	1.00	1.010		mg/L		101	80 - 120	1	20
Barium	1.00	1.020		mg/L		102	80 - 120	0	20
Beryllium	1.00	1.040		mg/L		104	80 - 120	0	20
Boron	1.00	1.010		mg/L		101	80 - 120	1	20
Cadmium	1.00	0.9950		mg/L		100	80 - 120	0	20
Calcium	25.0	25.50		mg/L		102	80 - 120	0	20
Chromium	1.00	1.030		mg/L		103	80 - 120	0	20
Cobalt	1.00	0.9770		mg/L		98	80 - 120	0	20
Iron	5.00	5.040		mg/L		101	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-271100/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 271654
Prep Batch: 271100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	1.00	1.000		mg/L		100	80 - 120	1	20
Magnesium	25.0	24.40		mg/L		98	80 - 120	0	20
Molybdenum	1.00	0.9900		mg/L		99	80 - 120	0	20
Potassium	10.0	9.940		mg/L		99	80 - 120	0	20
Selenium	1.00	1.030		mg/L		103	80 - 120	1	20
Sodium	25.0	24.60		mg/L		98	80 - 120	1	20
Thallium	1.00	1.050		mg/L		105	80 - 120	0	20
Li	1.00	0.9240		mg/L		92	80 - 120	0	20
Lithium	1.00	0.9240		mg/L		92	80 - 120	0	20

Lab Sample ID: MB 860-271207/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 271468
Prep Batch: 271207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		10/27/25 10:00	10/27/25 19:11	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		10/27/25 10:00	10/27/25 19:11	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/27/25 10:00	10/27/25 19:11	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		10/27/25 10:00	10/27/25 19:11	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/27/25 10:00	10/27/25 19:11	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/27/25 10:00	10/27/25 19:11	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/27/25 10:00	10/27/25 19:11	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/27/25 10:00	10/27/25 19:11	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/27/25 10:00	10/27/25 19:11	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		10/27/25 10:00	10/27/25 19:11	1
Iron	<0.0283	U	0.200	0.0283	mg/L		10/27/25 10:00	10/27/25 19:11	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		10/27/25 10:00	10/27/25 19:11	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/27/25 10:00	10/27/25 19:11	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		10/27/25 10:00	10/27/25 19:11	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/27/25 10:00	10/27/25 19:11	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		10/27/25 10:00	10/27/25 19:11	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/27/25 10:00	10/27/25 19:11	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		10/27/25 10:00	10/27/25 19:11	1
Li	0.01750	J	0.0400	0.0174	mg/L		10/27/25 10:00	10/27/25 19:11	1

Lab Sample ID: LCS 860-271207/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 271468
Prep Batch: 271207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.820		mg/L		96	80 - 120
Antimony	1.00	0.8970		mg/L		90	80 - 120
Arsenic	1.00	1.000		mg/L		100	80 - 120
Barium	1.00	1.010		mg/L		101	80 - 120
Beryllium	1.00	1.030		mg/L		103	80 - 120
Boron	1.00	0.9890		mg/L		99	80 - 120
Cadmium	1.00	0.9790		mg/L		98	80 - 120
Calcium	25.0	25.20		mg/L		101	80 - 120
Chromium	1.00	1.010		mg/L		101	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-271207/2-A
Matrix: Water
Analysis Batch: 271468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	1.00	0.9950		mg/L		100	80 - 120
Iron	5.00	4.920		mg/L		98	80 - 120
Lead	1.00	1.020		mg/L		102	80 - 120
Magnesium	25.0	24.30		mg/L		97	80 - 120
Molybdenum	1.00	0.9790		mg/L		98	80 - 120
Potassium	10.0	9.630		mg/L		96	80 - 120
Selenium	1.00	1.050		mg/L		105	80 - 120
Sodium	25.0	24.40		mg/L		98	80 - 120
Thallium	1.00	1.080		mg/L		108	80 - 120
Li	1.00	0.9350		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-271207/3-A
Matrix: Water
Analysis Batch: 271468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 271207

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.810		mg/L		96	80 - 120	0	20
Antimony	1.00	0.9380		mg/L		94	80 - 120	4	20
Arsenic	1.00	1.010		mg/L		101	80 - 120	1	20
Barium	1.00	1.010		mg/L		101	80 - 120	0	20
Beryllium	1.00	1.030		mg/L		103	80 - 120	0	20
Boron	1.00	0.9910		mg/L		99	80 - 120	0	20
Cadmium	1.00	0.9740		mg/L		97	80 - 120	1	20
Calcium	25.0	25.20		mg/L		101	80 - 120	0	20
Chromium	1.00	1.010		mg/L		101	80 - 120	0	20
Cobalt	1.00	0.9890		mg/L		99	80 - 120	1	20
Iron	5.00	4.920		mg/L		98	80 - 120	0	20
Lead	1.00	1.020		mg/L		102	80 - 120	0	20
Magnesium	25.0	24.30		mg/L		97	80 - 120	0	20
Molybdenum	1.00	0.9860		mg/L		99	80 - 120	1	20
Potassium	10.0	9.650		mg/L		97	80 - 120	0	20
Selenium	1.00	1.060		mg/L		106	80 - 120	1	20
Sodium	25.0	24.40		mg/L		98	80 - 120	0	20
Thallium	1.00	1.080		mg/L		108	80 - 120	0	20
Li	1.00	0.9280		mg/L		93	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-269974/1-A
Matrix: Water
Analysis Batch: 270301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/21/25 13:53	10/22/25 13:07	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/21/25 13:53	10/22/25 13:07	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/21/25 13:53	10/22/25 13:07	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/21/25 13:53	10/22/25 13:07	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/21/25 13:53	10/22/25 13:07	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/21/25 13:53	10/22/25 13:07	1

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

Lab Sample ID: MB 860-269974/1-A
Matrix: Water
Analysis Batch: 270301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/21/25 13:53	10/22/25 13:07	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/21/25 13:53	10/22/25 13:07	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/21/25 13:53	10/22/25 13:07	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/21/25 13:53	10/22/25 13:07	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/21/25 13:53	10/22/25 13:07	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/21/25 13:53	10/22/25 13:07	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/21/25 13:53	10/22/25 13:07	1

Lab Sample ID: LCS 860-269974/2-A
Matrix: Water
Analysis Batch: 270301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5180		mg/L		104	80 - 120
Antimony	0.100	0.09764		mg/L		98	80 - 120
Arsenic	0.100	0.09992		mg/L		100	80 - 120
Barium	0.100	0.09834		mg/L		98	80 - 120
Beryllium	0.100	0.09868		mg/L		99	80 - 120
Cadmium	0.100	0.09891		mg/L		99	80 - 120
Chromium	0.100	0.09884		mg/L		99	80 - 120
Cobalt	0.100	0.09877		mg/L		99	80 - 120
Iron	0.500	0.4969		mg/L		99	80 - 120
Lead	0.100	0.1007		mg/L		101	80 - 120
Molybdenum	0.100	0.09416		mg/L		94	80 - 120
Selenium	0.100	0.1020		mg/L		102	80 - 120
Thallium	0.100	0.1025		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-269974/3-A
Matrix: Water
Analysis Batch: 270301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269974

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4986		mg/L		100	80 - 120	4	20
Antimony	0.100	0.1004		mg/L		100	80 - 120	3	20
Arsenic	0.100	0.1007		mg/L		101	80 - 120	1	20
Barium	0.100	0.09863		mg/L		99	80 - 120	0	20
Beryllium	0.100	0.09893		mg/L		99	80 - 120	0	20
Cadmium	0.100	0.09966		mg/L		100	80 - 120	1	20
Chromium	0.100	0.09939		mg/L		99	80 - 120	1	20
Cobalt	0.100	0.09904		mg/L		99	80 - 120	0	20
Iron	0.500	0.4972		mg/L		99	80 - 120	0	20
Lead	0.100	0.1004		mg/L		100	80 - 120	0	20
Molybdenum	0.100	0.09437		mg/L		94	80 - 120	0	20
Selenium	0.100	0.1012		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1023		mg/L		102	80 - 120	0	20

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

Lab Sample ID: MB 860-268538/1-C
Matrix: Water
Analysis Batch: 270949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/22/25 12:51	10/24/25 15:07	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/22/25 12:51	10/24/25 15:07	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/22/25 12:51	10/24/25 15:07	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/22/25 12:51	10/24/25 15:07	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/22/25 12:51	10/24/25 15:07	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/22/25 12:51	10/24/25 15:07	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/22/25 12:51	10/24/25 15:07	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/22/25 12:51	10/24/25 15:07	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/22/25 12:51	10/24/25 15:07	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/22/25 12:51	10/24/25 15:07	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/22/25 12:51	10/24/25 15:07	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/22/25 12:51	10/24/25 15:07	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/22/25 12:51	10/24/25 15:07	1

Lab Sample ID: LCS 860-268538/2-C
Matrix: Water
Analysis Batch: 270949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4941		mg/L		99	80 - 120
Antimony	0.100	0.08959		mg/L		90	80 - 120
Arsenic	0.100	0.1003		mg/L		100	80 - 120
Barium	0.100	0.09493		mg/L		95	80 - 120
Beryllium	0.100	0.09764		mg/L		98	80 - 120
Cadmium	0.100	0.1012		mg/L		101	80 - 120
Chromium	0.100	0.1007		mg/L		101	80 - 120
Cobalt	0.100	0.09928		mg/L		99	80 - 120
Iron	0.500	0.4997		mg/L		100	80 - 120
Lead	0.100	0.09904		mg/L		99	80 - 120
Molybdenum	0.100	0.09789		mg/L		98	80 - 120
Selenium	0.100	0.09963		mg/L		100	80 - 120
Thallium	0.100	0.1006		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-268538/3-C
Matrix: Water
Analysis Batch: 270949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270245

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4912		mg/L		98	80 - 120	1	20
Antimony	0.100	0.09039		mg/L		90	80 - 120	1	20
Arsenic	0.100	0.1013		mg/L		101	80 - 120	1	20
Barium	0.100	0.09661		mg/L		97	80 - 120	2	20
Beryllium	0.100	0.09785		mg/L		98	80 - 120	0	20
Cadmium	0.100	0.1017		mg/L		102	80 - 120	1	20
Chromium	0.100	0.1016		mg/L		102	80 - 120	1	20
Cobalt	0.100	0.09985		mg/L		100	80 - 120	1	20
Iron	0.500	0.5019		mg/L		100	80 - 120	0	20
Lead	0.100	0.09999		mg/L		100	80 - 120	1	20
Molybdenum	0.100	0.09893		mg/L		99	80 - 120	1	20

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

Lab Sample ID: LCSD 860-268538/3-C
Matrix: Water
Analysis Batch: 270949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270245

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium			0.100	0.09999		mg/L		100	80 - 120	0	20
Thallium			0.100	0.1022		mg/L		102	80 - 120	2	20

Lab Sample ID: MB 860-270463/1-A
Matrix: Water
Analysis Batch: 270993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270463

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/23/25 09:30	10/23/25 23:12	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/23/25 09:30	10/23/25 23:12	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/23/25 09:30	10/23/25 23:12	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/23/25 09:30	10/23/25 23:12	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/23/25 09:30	10/23/25 23:12	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/23/25 09:30	10/23/25 23:12	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/23/25 09:30	10/23/25 23:12	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/23/25 09:30	10/23/25 23:12	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/23/25 09:30	10/23/25 23:12	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/23/25 09:30	10/23/25 23:12	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/23/25 09:30	10/23/25 23:12	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/23/25 09:30	10/23/25 23:12	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/23/25 09:30	10/23/25 23:12	1

Lab Sample ID: LCS 860-270463/2-A
Matrix: Water
Analysis Batch: 270993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270463

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum			0.500	0.5150		mg/L		103	80 - 120
Antimony			0.100	0.09655		mg/L		97	80 - 120
Arsenic			0.100	0.09959		mg/L		100	80 - 120
Barium			0.100	0.09858		mg/L		99	80 - 120
Beryllium			0.100	0.1002		mg/L		100	80 - 120
Cadmium			0.100	0.1019		mg/L		102	80 - 120
Chromium			0.100	0.09949		mg/L		99	80 - 120
Cobalt			0.100	0.09868		mg/L		99	80 - 120
Iron			0.500	0.4991		mg/L		100	80 - 120
Lead			0.100	0.1012		mg/L		101	80 - 120
Molybdenum			0.100	0.09879		mg/L		99	80 - 120
Selenium			0.100	0.1002		mg/L		100	80 - 120
Thallium			0.100	0.1019		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-270463/3-A
Matrix: Water
Analysis Batch: 270993

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270463

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			0.500	0.5081		mg/L		102	80 - 120	1	20
Antimony			0.100	0.09870		mg/L		99	80 - 120	2	20
Arsenic			0.100	0.09889		mg/L		99	80 - 120	1	20

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

Lab Sample ID: LCSD 860-270463/3-A
Matrix: Water
Analysis Batch: 270993

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270463

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.100	0.09906		mg/L		99	80 - 120	0	20
Beryllium	0.100	0.09877		mg/L		99	80 - 120	1	20
Cadmium	0.100	0.1016		mg/L		102	80 - 120	0	20
Chromium	0.100	0.09880		mg/L		99	80 - 120	1	20
Cobalt	0.100	0.09800		mg/L		98	80 - 120	1	20
Iron	0.500	0.4981		mg/L		100	80 - 120	0	20
Lead	0.100	0.1017		mg/L		102	80 - 120	0	20
Molybdenum	0.100	0.09834		mg/L		98	80 - 120	0	20
Selenium	0.100	0.09747		mg/L		97	80 - 120	3	20
Thallium	0.100	0.1035		mg/L		104	80 - 120	2	20

Lab Sample ID: MB 860-270797/1-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/24/25 09:00	10/24/25 23:56	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/24/25 23:56	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/24/25 09:00	10/24/25 23:56	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/24/25 09:00	10/24/25 23:56	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/24/25 23:56	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/24/25 23:56	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 09:00	10/24/25 23:56	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 09:00	10/24/25 23:56	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/24/25 09:00	10/24/25 23:56	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/24/25 23:56	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 09:00	10/24/25 23:56	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/24/25 23:56	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/24/25 23:56	1

Lab Sample ID: LCS 860-270797/2-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4879		mg/L		98	80 - 120
Antimony	0.100	0.09651		mg/L		97	80 - 120
Arsenic	0.100	0.09800		mg/L		98	80 - 120
Barium	0.100	0.09858		mg/L		99	80 - 120
Beryllium	0.100	0.09612		mg/L		96	80 - 120
Cadmium	0.100	0.09928		mg/L		99	80 - 120
Chromium	0.100	0.09851		mg/L		99	80 - 120
Cobalt	0.100	0.09791		mg/L		98	80 - 120
Iron	0.500	0.4893		mg/L		98	80 - 120
Lead	0.100	0.09917		mg/L		99	80 - 120
Molybdenum	0.100	0.09657		mg/L		97	80 - 120
Selenium	0.100	0.09888		mg/L		99	80 - 120
Thallium	0.100	0.1016		mg/L		102	80 - 120

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

Lab Sample ID: LCSD 860-270797/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 271280
Prep Batch: 270797

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			0.500	0.4904		mg/L		98	80 - 120	1	20
Antimony			0.100	0.09573		mg/L		96	80 - 120	1	20
Arsenic			0.100	0.09801		mg/L		98	80 - 120	0	20
Barium			0.100	0.09764		mg/L		98	80 - 120	1	20
Beryllium			0.100	0.09562		mg/L		96	80 - 120	1	20
Cadmium			0.100	0.09880		mg/L		99	80 - 120	0	20
Chromium			0.100	0.09866		mg/L		99	80 - 120	0	20
Cobalt			0.100	0.09787		mg/L		98	80 - 120	0	20
Iron			0.500	0.4875		mg/L		98	80 - 120	0	20
Lead			0.100	0.09856		mg/L		99	80 - 120	1	20
Molybdenum			0.100	0.09590		mg/L		96	80 - 120	1	20
Selenium			0.100	0.09862		mg/L		99	80 - 120	0	20
Thallium			0.100	0.1008		mg/L		101	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-269828/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 270090
Prep Batch: 269828

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/21/25 07:43	10/21/25 20:05	1

Lab Sample ID: LCS 860-269828/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 270090
Prep Batch: 269828

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001846		mg/L		92	80 - 120		

Lab Sample ID: LCSD 860-269828/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 270090
Prep Batch: 269828

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001895		mg/L		95	80 - 120	3	20

Lab Sample ID: LB 860-269546/1-D
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 270280
Prep Batch: 269965

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 06:30	10/22/25 11:10	1

Lab Sample ID: MB 860-269965/10-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 270280
Prep Batch: 269965

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 06:30	10/22/25 11:03	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 860-269965/11-A
Matrix: Water
Analysis Batch: 270280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269965

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001798		mg/L		90	80 - 120		

Lab Sample ID: LCSD 860-269965/12-A
Matrix: Water
Analysis Batch: 270280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269965

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001829		mg/L		91	80 - 120	2	20

Lab Sample ID: MB 860-270422/10-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:35	10/23/25 18:17	1

Lab Sample ID: LCS 860-270422/11-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270422

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001972		mg/L		99	80 - 120		

Lab Sample ID: LCSD 860-270422/12-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270422

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001983		mg/L		99	80 - 120	1	20

Lab Sample ID: MB 860-270845/10-A
Matrix: Water
Analysis Batch: 271019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270845

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/24/25 11:04	10/24/25 17:57	1

Lab Sample ID: LCS 860-270845/11-A
Matrix: Water
Analysis Batch: 271019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270845

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001982		mg/L		99	80 - 120		

Lab Sample ID: LCSD 860-270845/12-A
Matrix: Water
Analysis Batch: 271019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270845

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001975		mg/L		99	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-270847/10-A
Matrix: Water
Analysis Batch: 271018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/24/25 11:07	10/24/25 18:41	1

Lab Sample ID: LCS 860-270847/11-A
Matrix: Water
Analysis Batch: 271018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001975		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-270847/12-A
Matrix: Water
Analysis Batch: 271018

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270847

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001982		mg/L		99	80 - 120	0	20

Lab Sample ID: 870-40847-9 MS
Matrix: Water
Analysis Batch: 271019

Client Sample ID: SFL MW-1S
Prep Type: Dissolved
Prep Batch: 270845

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.0000706	U	0.00200	0.002111		mg/L		106	75 - 125

Lab Sample ID: 870-40847-9 MSD
Matrix: Water
Analysis Batch: 271019

Client Sample ID: SFL MW-1S
Prep Type: Dissolved
Prep Batch: 270845

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U	0.00200	0.002189		mg/L		109	75 - 125	4	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-270753/21
Matrix: Water
Analysis Batch: 270753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/23/25 11:35	1

Lab Sample ID: MB 860-270753/54
Matrix: Water
Analysis Batch: 270753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/23/25 16:35	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 860-270753/22
Matrix: Water
Analysis Batch: 270753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	242.5		mg/L		97	85 - 115

Lab Sample ID: LCS 860-270753/55
Matrix: Water
Analysis Batch: 270753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	240.3		mg/L		96	85 - 115

Lab Sample ID: LCSD 860-270753/23
Matrix: Water
Analysis Batch: 270753

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
Alkalinity	250	242.7		mg/L		97	85 - 115	0	20

Lab Sample ID: LCSD 860-270753/56
Matrix: Water
Analysis Batch: 270753

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
Alkalinity	250	243.5		mg/L		97	85 - 115	0	20

Lab Sample ID: MB 860-271367/3
Matrix: Water
Analysis Batch: 271367

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/27/25 11:48	1

Lab Sample ID: LCS 860-271367/4
Matrix: Water
Analysis Batch: 271367

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	240.2		mg/L		96	85 - 115

Lab Sample ID: LCSD 860-271367/5
Matrix: Water
Analysis Batch: 271367

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
Alkalinity	250	249.4		mg/L		100	85 - 115	4	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-32870/1
Matrix: Water
Analysis Batch: 32870

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			10/22/25 09:11	1

Lab Sample ID: LCS 870-32870/2
Matrix: Water
Analysis Batch: 32870

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	883.0		mg/L		88	80 - 120

Lab Sample ID: LCSD 870-32870/3
Matrix: Water
Analysis Batch: 32870

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
Total Dissolved Solids	1000	896.0		mg/L		90	80 - 120	1	10

Lab Sample ID: 870-40847-1 DU
Matrix: Water
Analysis Batch: 32870

Client Sample ID: SFL MW-7S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	6680		6670		mg/L		0.1	10

Lab Sample ID: 870-40847-2 DU
Matrix: Water
Analysis Batch: 32870

Client Sample ID: SFL MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	6510		6570		mg/L		0.9	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-40847-9 DU
Matrix: Water
Analysis Batch: 32851

Client Sample ID: SFL MW-1S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.5	HF	6.5		SU		0.2	20
Temperature	22.9	HF	22.9		Celsius		0	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-741535/1-A
Matrix: Water
Analysis Batch: 744924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741535

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	13.20	U	20.8	20.8	50.0	31.9	pCi/L	10/21/25 09:43	11/12/25 10:07	1
Radium-228	-0.9265	U G	34.9	34.9	50.0	59.9	pCi/L	10/21/25 09:43	11/12/25 10:07	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: MB 160-741535/1-A
Matrix: Water
Analysis Batch: 744924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741535

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	12.27	U	40.6	40.6		59.9	pCi/L	10/21/25 09:43	11/12/25 10:07	1

Lab Sample ID: LCS 160-741535/2-A
Matrix: Water
Analysis Batch: 744784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741535

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	140000		14400		423	pCi/L	98	75 - 125
Cesium-137	37600	36850		3610		175	pCi/L	98	75 - 125
Cobalt-60	50500	49000		4770		131	pCi/L	97	75 - 125

Lab Sample ID: MB 160-741563/1-A
Matrix: Water
Analysis Batch: 744784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741563

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	21.62	U G	15.0	15.1	50.0	54.7	pCi/L	10/21/25 11:39	11/11/25 08:50	1
Radium-228	7.850	U	31.8	31.8	50.0	47.4	pCi/L	10/21/25 11:39	11/11/25 08:50	1
Combined Radium 226 + 228	29.47	U	35.2	35.2		54.7	pCi/L	10/21/25 11:39	11/11/25 08:50	1

Lab Sample ID: LCS 160-741563/2-A
Matrix: Water
Analysis Batch: 744781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741563

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	138300		15100		873	pCi/L	97	75 - 125
Cesium-137	37600	37700		3750		123	pCi/L	100	75 - 125
Cobalt-60	50500	49440		4830		94.4	pCi/L	98	75 - 125

Lab Sample ID: 870-40847-10 DU
Matrix: Water
Analysis Batch: 744808

Client Sample ID: SFL MW-6D
Prep Type: Total/NA
Prep Batch: 741563

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	59.6		25.03	U	25.3	50.0	34.9	pCi/L	0.53	1
Radium-228	19.1	U G	17.40	U	29.1	50.0	46.4	pCi/L	0.02	1
Combined Radium 226 + 228	78.7		42.43	U	38.6		46.4	pCi/L	0.37	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-741526/1-A
Matrix: Water
Analysis Batch: 745605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741526

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.006435	U	0.162	0.162	1.00	0.328	pCi/L	10/21/25 08:47	11/17/25 23:28	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:28*	*1*

Lab Sample ID: LCS 160-741526/2-A
Matrix: Water
Analysis Batch: 745610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741526

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.932		1.09	1.00	0.361	pCi/L	83	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.0*		*30 - 110*

Lab Sample ID: LCSD 160-741526/3-A
Matrix: Water
Analysis Batch: 745610

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741526

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.57	8.188		1.11	1.00	0.303	pCi/L	86	75 - 125	0.12	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*83.9*		*30 - 110*

Lab Sample ID: MB 160-741528/1-A
Matrix: Water
Analysis Batch: 744976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741528

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.007446	U	0.135	0.135	1.00	0.282	pCi/L	10/21/25 08:54	11/12/25 07:46	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*10/21/25 08:54*	*11/12/25 07:46*	*1*

Lab Sample ID: LCS 160-741528/2-A
Matrix: Water
Analysis Batch: 744976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741528

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.896		1.05	1.00	0.266	pCi/L	82	75 - 125		

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-741528/2-A
Matrix: Water
Analysis Batch: 744976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741528

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	85.0		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-741527/1-A
Matrix: Water
Analysis Batch: 745609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741527

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.02538	U	0.368	0.368	1.00	0.676	pCi/L	10/21/25 08:51	11/17/25 12:25	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110	10/21/25 08:51	11/17/25 12:25	1
Y Carrier	81.1		30 - 110	10/21/25 08:51	11/17/25 12:25	1

Lab Sample ID: LCS 160-741527/2-A
Matrix: Water
Analysis Batch: 745609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741527

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.92	7.895		1.21	1.00	0.607	pCi/L	100	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	82.0		30 - 110
Y Carrier	81.1		30 - 110

Lab Sample ID: LCSD 160-741527/3-A
Matrix: Water
Analysis Batch: 745609

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741527

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.92	7.734		1.20	1.00	0.685	pCi/L	98	75 - 125	0.07	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	83.9		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: MB 160-741529/1-A
Matrix: Water
Analysis Batch: 744807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741529

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2039	U	0.341	0.342	1.00	0.686	pCi/L	10/21/25 08:57	11/11/25 10:43	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-741529/1-A
Matrix: Water
Analysis Batch: 744807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741529

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110	10/21/25 08:57	11/11/25 10:43	1
Y Carrier	76.3		30 - 110	10/21/25 08:57	11/11/25 10:43	1

Lab Sample ID: LCS 160-741529/2-A
Matrix: Water
Analysis Batch: 744807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741529

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.94	7.797		1.20	1.00	0.609	pCi/L	98	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	85.0		30 - 110
Y Carrier	71.4		30 - 110

HPLC/IC

Analysis Batch: 270450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-7	FD-3	Total/NA	Water	9056A	
870-40847-7	FD-3	Total/NA	Water	9056A	
870-40847-8	SFL MW-15D	Total/NA	Water	9056A	
870-40847-8	SFL MW-15D	Total/NA	Water	9056A	
870-40847-9	SFL MW-1S	Total/NA	Water	9056A	
870-40847-9	SFL MW-1S	Total/NA	Water	9056A	
870-40847-10	SFL MW-6D	Total/NA	Water	9056A	
870-40847-10	SFL MW-6D	Total/NA	Water	9056A	
870-40847-11	FB-3	Total/NA	Water	9056A	
MB 860-270450/62	Method Blank	Total/NA	Water	9056A	
LCS 860-270450/63	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-270450/64	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-270450/66	Lab Control Sample	Total/NA	Water	9056A	
870-40847-10 MS	SFL MW-6D	Total/NA	Water	9056A	
870-40847-10 MSD	SFL MW-6D	Total/NA	Water	9056A	

Analysis Batch: 270812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	9056A	
870-40847-2	SFL MW-4S	Total/NA	Water	9056A	
870-40847-3	SFL MW-2D	Total/NA	Water	9056A	
870-40847-3	SFL MW-2D	Total/NA	Water	9056A	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	9056A	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	9056A	
870-40847-5	SFL MW-8S	Total/NA	Water	9056A	
870-40847-5	SFL MW-8S	Total/NA	Water	9056A	
870-40847-6	SFL MW-8D	Total/NA	Water	9056A	
870-40847-6	SFL MW-8D	Total/NA	Water	9056A	
MB 860-270812/3	Method Blank	Total/NA	Water	9056A	
LCS 860-270812/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-270812/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-270812/7	Lab Control Sample	Total/NA	Water	9056A	

Metals

Filtration Batch: 268538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-268538/1-C	Method Blank	Total/NA	Water	Filtration	
LCS 860-268538/2-C	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-268538/3-C	Lab Control Sample Dup	Total/NA	Water	Filtration	

Leach Batch: 269546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-269546/1-D	Method Blank	Total/NA	Water	1311	

Prep Batch: 269828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	7470A	
870-40847-2	SFL MW-4S	Total/NA	Water	7470A	
MB 860-269828/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-269828/2-A	Lab Control Sample	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 269828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-269828/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 269965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-3	SFL MW-2D	Total/NA	Water	7470A	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	7470A	
870-40847-5	SFL MW-8S	Total/NA	Water	7470A	
LB 860-269546/1-D	Method Blank	Total/NA	Water	7470A	269546
MB 860-269965/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-269965/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-269965/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 269974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-2	SFL MW-4S	Total/NA	Water	3010A	
MB 860-269974/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-269974/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-269974/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 270090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	7470A	269828
870-40847-2	SFL MW-4S	Total/NA	Water	7470A	269828
MB 860-269828/1-A	Method Blank	Total/NA	Water	7470A	269828
LCS 860-269828/2-A	Lab Control Sample	Total/NA	Water	7470A	269828
LCSD 860-269828/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	269828

Prep Batch: 270245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	3010A	
MB 860-268538/1-C	Method Blank	Total/NA	Water	3010A	268538
LCS 860-268538/2-C	Lab Control Sample	Total/NA	Water	3010A	268538
LCSD 860-268538/3-C	Lab Control Sample Dup	Total/NA	Water	3010A	268538

Prep Batch: 270247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	3010A	
870-40847-2	SFL MW-4S	Total/NA	Water	3010A	
870-40847-3	SFL MW-2D	Total/NA	Water	3010A	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	3010A	
870-40847-5	SFL MW-8S	Total/NA	Water	3010A	
870-40847-9	SFL MW-1S	Total/NA	Water	3010A	
MB 860-270247/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270247/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270247/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-40847-2 MS	SFL MW-4S	Total/NA	Water	3010A	
870-40847-2 MSD	SFL MW-4S	Total/NA	Water	3010A	

Analysis Batch: 270280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-3	SFL MW-2D	Total/NA	Water	7470A	269965

Metals (Continued)

Analysis Batch: 270280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	7470A	269965
870-40847-5	SFL MW-8S	Total/NA	Water	7470A	269965
LB 860-269546/1-D	Method Blank	Total/NA	Water	7470A	269965
MB 860-269965/10-A	Method Blank	Total/NA	Water	7470A	269965
LCS 860-269965/11-A	Lab Control Sample	Total/NA	Water	7470A	269965
LCSD 860-269965/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	269965

Analysis Batch: 270301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-2	SFL MW-4S	Total/NA	Water	6020B	269974
MB 860-269974/1-A	Method Blank	Total/NA	Water	6020B	269974
LCS 860-269974/2-A	Lab Control Sample	Total/NA	Water	6020B	269974
LCSD 860-269974/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	269974

Prep Batch: 270422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-6	SFL MW-8D	Total/NA	Water	7470A	
870-40847-7	FD-3	Total/NA	Water	7470A	
870-40847-8	SFL MW-15D	Total/NA	Water	7470A	
MB 860-270422/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-270422/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-270422/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 270463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-3	SFL MW-2D	Total/NA	Water	3010A	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	3010A	
870-40847-5	SFL MW-8S	Total/NA	Water	3010A	
870-40847-9	SFL MW-1S	Total/NA	Water	3010A	
870-40847-10	SFL MW-6D	Total/NA	Water	3010A	
870-40847-11	FB-3	Total/NA	Water	3010A	
MB 860-270463/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270463/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270463/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 270464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-6	SFL MW-8D	Total/NA	Water	3010A	
870-40847-7	FD-3	Total/NA	Water	3010A	
870-40847-8	SFL MW-15D	Total/NA	Water	3010A	
MB 860-270464/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270464/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270464/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 270628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	6010D	270247
870-40847-2	SFL MW-4S	Total/NA	Water	6010D	270247
870-40847-2	SFL MW-4S	Total/NA	Water	6010D	270247
870-40847-3	SFL MW-2D	Total/NA	Water	6010D	270247
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	6010D	270247

Metals (Continued)

Analysis Batch: 270628 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-5	SFL MW-8S	Total/NA	Water	6010D	270247
870-40847-9	SFL MW-1S	Total/NA	Water	6010D	270247
MB 860-270247/1-A	Method Blank	Total/NA	Water	6010D	270247
LCS 860-270247/2-A	Lab Control Sample	Total/NA	Water	6010D	270247
LCSD 860-270247/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	270247
870-40847-2 MS	SFL MW-4S	Total/NA	Water	6010D	270247
870-40847-2 MSD	SFL MW-4S	Total/NA	Water	6010D	270247

Analysis Batch: 270741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-6	SFL MW-8D	Total/NA	Water	7470A	270422
870-40847-7	FD-3	Total/NA	Water	7470A	270422
870-40847-8	SFL MW-15D	Total/NA	Water	7470A	270422
MB 860-270422/10-A	Method Blank	Total/NA	Water	7470A	270422
LCS 860-270422/11-A	Lab Control Sample	Total/NA	Water	7470A	270422
LCSD 860-270422/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	270422

Analysis Batch: 270761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-6	SFL MW-8D	Total/NA	Water	6010D	270464
870-40847-7	FD-3	Total/NA	Water	6010D	270464
870-40847-8	SFL MW-15D	Total/NA	Water	6010D	270464
MB 860-270464/1-A	Method Blank	Total/NA	Water	6010D	270464
LCS 860-270464/2-A	Lab Control Sample	Total/NA	Water	6010D	270464
LCSD 860-270464/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	270464

Prep Batch: 270797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-6	SFL MW-8D	Total/NA	Water	3010A	
870-40847-7	FD-3	Total/NA	Water	3010A	
870-40847-8	SFL MW-15D	Total/NA	Water	3010A	
MB 860-270797/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270797/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270797/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 270845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-9	SFL MW-1S	Dissolved	Water	7470A	
870-40847-10	SFL MW-6D	Total/NA	Water	7470A	
870-40847-11	FB-3	Total/NA	Water	7470A	
MB 860-270845/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-270845/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-270845/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-40847-9 MS	SFL MW-1S	Dissolved	Water	7470A	
870-40847-9 MSD	SFL MW-1S	Dissolved	Water	7470A	

Prep Batch: 270847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-9	SFL MW-1S	Total/NA	Water	7470A	
870-40847-10	SFL MW-6D	Dissolved	Water	7470A	
MB 860-270847/10-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 270847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-270847/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-270847/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 270949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	6020B	270245
MB 860-268538/1-C	Method Blank	Total/NA	Water	6020B	270245
LCS 860-268538/2-C	Lab Control Sample	Total/NA	Water	6020B	270245
LCSD 860-268538/3-C	Lab Control Sample Dup	Total/NA	Water	6020B	270245

Analysis Batch: 270993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-270463/1-A	Method Blank	Total/NA	Water	6020B	270463
LCS 860-270463/2-A	Lab Control Sample	Total/NA	Water	6020B	270463
LCSD 860-270463/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	270463

Analysis Batch: 271018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-9	SFL MW-1S	Total/NA	Water	7470A	270847
870-40847-10	SFL MW-6D	Dissolved	Water	7470A	270847
MB 860-270847/10-A	Method Blank	Total/NA	Water	7470A	270847
LCS 860-270847/11-A	Lab Control Sample	Total/NA	Water	7470A	270847
LCSD 860-270847/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	270847

Analysis Batch: 271019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-9	SFL MW-1S	Dissolved	Water	7470A	270845
870-40847-10	SFL MW-6D	Total/NA	Water	7470A	270845
870-40847-11	FB-3	Total/NA	Water	7470A	270845
MB 860-270845/10-A	Method Blank	Total/NA	Water	7470A	270845
LCS 860-270845/11-A	Lab Control Sample	Total/NA	Water	7470A	270845
LCSD 860-270845/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	270845
870-40847-9 MS	SFL MW-1S	Dissolved	Water	7470A	270845
870-40847-9 MSD	SFL MW-1S	Dissolved	Water	7470A	270845

Prep Batch: 271100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-9	SFL MW-1S	Dissolved	Water	3010A	
870-40847-10	SFL MW-6D	Total/NA	Water	3010A	
870-40847-11	FB-3	Total/NA	Water	3010A	
MB 860-271100/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-271100/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-271100/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 271207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-10	SFL MW-6D	Dissolved	Water	3010A	
MB 860-271207/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-271207/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-271207/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Analysis Batch: 271280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-3	SFL MW-2D	Total/NA	Water	6020B	270463
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	6020B	270463
870-40847-5	SFL MW-8S	Total/NA	Water	6020B	270463
870-40847-5	SFL MW-8S	Total/NA	Water	6020B	270463
870-40847-6	SFL MW-8D	Total/NA	Water	6020B	270797
870-40847-7	FD-3	Total/NA	Water	6020B	270797
870-40847-8	SFL MW-15D	Total/NA	Water	6020B	270797
870-40847-9	SFL MW-1S	Total/NA	Water	6020B	270463
870-40847-10	SFL MW-6D	Total/NA	Water	6020B	270463
870-40847-10	SFL MW-6D	Total/NA	Water	6020B	270463
870-40847-11	FB-3	Total/NA	Water	6020B	270463
MB 860-270797/1-A	Method Blank	Total/NA	Water	6020B	270797
LCS 860-270797/2-A	Lab Control Sample	Total/NA	Water	6020B	270797
LCSD 860-270797/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	270797

Analysis Batch: 271468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-10	SFL MW-6D	Dissolved	Water	6010D	271207
870-40847-10	SFL MW-6D	Dissolved	Water	6010D	271207
MB 860-271207/1-A	Method Blank	Total/NA	Water	6010D	271207
LCS 860-271207/2-A	Lab Control Sample	Total/NA	Water	6010D	271207
LCSD 860-271207/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	271207

Analysis Batch: 271654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-9	SFL MW-1S	Dissolved	Water	6010D	271100
870-40847-9	SFL MW-1S	Dissolved	Water	6010D	271100
870-40847-10	SFL MW-6D	Total/NA	Water	6010D	271100
870-40847-10	SFL MW-6D	Total/NA	Water	6010D	271100
870-40847-11	FB-3	Total/NA	Water	6010D	271100
MB 860-271100/1-A	Method Blank	Total/NA	Water	6010D	271100
LCS 860-271100/2-A	Lab Control Sample	Total/NA	Water	6010D	271100
LCSD 860-271100/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	271100

General Chemistry

Analysis Batch: 32851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	SM 4500 H+ B	
870-40847-2	SFL MW-4S	Total/NA	Water	SM 4500 H+ B	
870-40847-3	SFL MW-2D	Total/NA	Water	SM 4500 H+ B	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	SM 4500 H+ B	
870-40847-5	SFL MW-8S	Total/NA	Water	SM 4500 H+ B	
870-40847-6	SFL MW-8D	Total/NA	Water	SM 4500 H+ B	
870-40847-7	FD-3	Total/NA	Water	SM 4500 H+ B	
870-40847-8	SFL MW-15D	Total/NA	Water	SM 4500 H+ B	
870-40847-9	SFL MW-1S	Total/NA	Water	SM 4500 H+ B	
870-40847-9 DU	SFL MW-1S	Total/NA	Water	SM 4500 H+ B	

General Chemistry

Analysis Batch: 32870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	SM 2540C	
870-40847-2	SFL MW-4S	Total/NA	Water	SM 2540C	
870-40847-3	SFL MW-2D	Total/NA	Water	SM 2540C	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	SM 2540C	
870-40847-5	SFL MW-8S	Total/NA	Water	SM 2540C	
870-40847-6	SFL MW-8D	Total/NA	Water	SM 2540C	
870-40847-7	FD-3	Total/NA	Water	SM 2540C	
870-40847-8	SFL MW-15D	Total/NA	Water	SM 2540C	
870-40847-9	SFL MW-1S	Total/NA	Water	SM 2540C	
870-40847-10	SFL MW-6D	Total/NA	Water	SM 2540C	
870-40847-11	FB-3	Total/NA	Water	SM 2540C	
MB 870-32870/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-32870/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-32870/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-40847-1 DU	SFL MW-7S	Total/NA	Water	SM 2540C	
870-40847-2 DU	SFL MW-4S	Total/NA	Water	SM 2540C	

Analysis Batch: 32917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-10	SFL MW-6D	Total/NA	Water	SM 4500 H+ B	
870-40847-11	FB-3	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 270753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	SM 2320B	
870-40847-2	SFL MW-4S	Total/NA	Water	SM 2320B	
870-40847-3	SFL MW-2D	Total/NA	Water	SM 2320B	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	SM 2320B	
870-40847-5	SFL MW-8S	Total/NA	Water	SM 2320B	
870-40847-6	SFL MW-8D	Total/NA	Water	SM 2320B	
870-40847-7	FD-3	Total/NA	Water	SM 2320B	
870-40847-8	SFL MW-15D	Total/NA	Water	SM 2320B	
870-40847-9	SFL MW-1S	Total/NA	Water	SM 2320B	
870-40847-10	SFL MW-6D	Total/NA	Water	SM 2320B	
MB 860-270753/21	Method Blank	Total/NA	Water	SM 2320B	
MB 860-270753/54	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-270753/22	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 860-270753/55	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-270753/23	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 860-270753/56	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 271367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-11	FB-3	Total/NA	Water	SM 2320B	
MB 860-271367/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-271367/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-271367/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 741526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	PrecSep-21	
870-40847-2	SFL MW-4S	Total/NA	Water	PrecSep-21	
870-40847-3	SFL MW-2D	Total/NA	Water	PrecSep-21	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	PrecSep-21	
870-40847-5	SFL MW-8S	Total/NA	Water	PrecSep-21	
870-40847-6	SFL MW-8D	Total/NA	Water	PrecSep-21	
870-40847-7	FD-3	Total/NA	Water	PrecSep-21	
870-40847-8	SFL MW-15D	Total/NA	Water	PrecSep-21	
870-40847-9	SFL MW-1S	Total/NA	Water	PrecSep-21	
MB 160-741526/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-741526/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-741526/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 741527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	PrecSep_0	
870-40847-2	SFL MW-4S	Total/NA	Water	PrecSep_0	
870-40847-3	SFL MW-2D	Total/NA	Water	PrecSep_0	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	PrecSep_0	
870-40847-5	SFL MW-8S	Total/NA	Water	PrecSep_0	
870-40847-6	SFL MW-8D	Total/NA	Water	PrecSep_0	
870-40847-7	FD-3	Total/NA	Water	PrecSep_0	
870-40847-8	SFL MW-15D	Total/NA	Water	PrecSep_0	
870-40847-9	SFL MW-1S	Total/NA	Water	PrecSep_0	
MB 160-741527/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-741527/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-741527/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 741528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-10	SFL MW-6D	Total/NA	Water	PrecSep-21	
870-40847-11	FB-3	Total/NA	Water	PrecSep-21	
MB 160-741528/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-741528/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 741529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-10	SFL MW-6D	Total/NA	Water	PrecSep_0	
870-40847-11	FB-3	Total/NA	Water	PrecSep_0	
MB 160-741529/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-741529/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 741535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-1	SFL MW-7S	Total/NA	Water	Fill_Geo-21	
870-40847-2	SFL MW-4S	Total/NA	Water	Fill_Geo-21	
870-40847-3	SFL MW-2D	Total/NA	Water	Fill_Geo-21	
870-40847-4	SFL MW-1S (cont)	Total/NA	Water	Fill_Geo-21	
870-40847-5	SFL MW-8S	Total/NA	Water	Fill_Geo-21	
870-40847-6	SFL MW-8D	Total/NA	Water	Fill_Geo-21	
870-40847-7	FD-3	Total/NA	Water	Fill_Geo-21	

Rad (Continued)

Prep Batch: 741535 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-8	SFL MW-15D	Total/NA	Water	Fill_Geo-21	
870-40847-9	SFL MW-1S	Total/NA	Water	Fill_Geo-21	
MB 160-741535/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-741535/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 741563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40847-10	SFL MW-6D	Total/NA	Water	Fill_Geo-21	
870-40847-11	FB-3	Total/NA	Water	Fill_Geo-21	
MB 160-741563/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-741563/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-40847-10 DU	SFL MW-6D	Total/NA	Water	Fill_Geo-21	

Lab Chronicle

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-7S
Lab Sample ID: 870-40847-1
Date Collected: 10/15/25 11:30
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			270812	10/24/25 15:50	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270247	10/22/25 12:57	MD	EET HOU
Total/NA	Analysis	6010D		5			270628	10/23/25 16:03	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270245	10/22/25 12:51	MD	EET HOU
Total/NA	Analysis	6020B		5			270949	10/24/25 17:19	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	269828	10/21/25 07:44	AGR	EET HOU
Total/NA	Analysis	7470A		1			270090	10/21/25 20:40	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 17:57	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744782	11/11/25 07:14	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.18 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.18 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: SFL MW-4S
Lab Sample ID: 870-40847-2
Date Collected: 10/15/25 13:00
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			270812	10/24/25 16:10	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270247	10/22/25 12:57	MD	EET HOU
Total/NA	Analysis	6010D		1			270628	10/23/25 15:04	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270247	10/22/25 12:57	MD	EET HOU
Total/NA	Analysis	6010D		50			270628	10/23/25 15:12	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269974	10/21/25 13:53	MD	EET HOU
Total/NA	Analysis	6020B		1			270301	10/22/25 15:01	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	269828	10/21/25 07:44	AGR	EET HOU
Total/NA	Analysis	7470A		1			270090	10/21/25 20:41	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 18:03	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744778	11/11/25 07:15	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.67 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.67 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: SFL MW-2D
Lab Sample ID: 870-40847-3

Date Collected: 10/15/25 14:45
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270812	10/24/25 11:22	RJD	EET HOU
Total/NA	Analysis	9056A		10			270812	10/24/25 11:32	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270247	10/22/25 12:57	MD	EET HOU
Total/NA	Analysis	6010D		5			270628	10/23/25 16:16	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270463	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 03:02	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	269965	10/22/25 06:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 11:44	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 17:52	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744786	11/11/25 07:13	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.10 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.10 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: SFL MW-1S (cont)
Lab Sample ID: 870-40847-4

Date Collected: 10/15/25 08:55
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270812	10/24/25 11:41	RJD	EET HOU
Total/NA	Analysis	9056A		10			270812	10/24/25 11:51	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270247	10/22/25 12:57	MD	EET HOU
Total/NA	Analysis	6010D		5			270628	10/23/25 16:17	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270463	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 02:12	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	269965	10/22/25 06:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 11:46	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 18:25	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744784	11/11/25 07:15	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.93 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.93 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: SFL MW-8S
Lab Sample ID: 870-40847-5

Date Collected: 10/15/25 11:10
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270812	10/24/25 12:01	RJD	EET HOU
Total/NA	Analysis	9056A		10			270812	10/24/25 12:10	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270247	10/22/25 12:57	MD	EET HOU
Total/NA	Analysis	6010D		5			270628	10/23/25 16:19	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270463	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 02:21	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270463	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		5			271280	10/25/25 02:24	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	269965	10/22/25 06:30	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 11:47	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 14:36	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744808	11/11/25 07:15	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.95 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.95 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:28	SWS	EET SL

Client Sample ID: SFL MW-8D
Lab Sample ID: 870-40847-6

Date Collected: 10/15/25 12:55
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270812	10/24/25 12:20	RJD	EET HOU
Total/NA	Analysis	9056A		10			270812	10/24/25 12:29	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270464	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			270761	10/23/25 18:16	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:32	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270422	10/23/25 07:36	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 18:28	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 13:01	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744781	11/11/25 08:49	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.84 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.84 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745605	11/17/25 12:15	SWS	EET SL

Client Sample ID: FD-3
Lab Sample ID: 870-40847-7

Date Collected: 10/15/25 09:00
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270450	10/24/25 00:46	RJD	EET HOU
Total/NA	Analysis	9056A		10			270450	10/24/25 00:56	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270464	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			270761	10/23/25 18:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:34	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270422	10/23/25 07:36	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 18:30	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 17:27	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744782	11/11/25 08:50	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.87 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.87 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745605	11/17/25 12:17	SWS	EET SL

Client Sample ID: SFL MW-15D
Lab Sample ID: 870-40847-8

Date Collected: 10/15/25 14:35
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270450	10/24/25 00:27	RJD	EET HOU
Total/NA	Analysis	9056A		10			270450	10/24/25 00:36	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270464	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			270761	10/23/25 18:19	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:37	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270422	10/23/25 07:36	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 18:34	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 17:22	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744778	11/11/25 08:51	MLS	EET SL
Total/NA	Prep	PrecSep-21			1008.60 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745772	11/18/25 07:58	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.60 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745605	11/17/25 12:17	SWS	EET SL

Client Sample ID: SFL MW-1S
Lab Sample ID: 870-40847-9

Date Collected: 10/15/25 15:30
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270450	10/24/25 02:03	RJD	EET HOU
Total/NA	Analysis	9056A		10			270450	10/24/25 02:12	RJD	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	271100	10/26/25 12:30	MD	EET HOU
Dissolved	Analysis	6010D		1			271654	10/28/25 12:53	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	271100	10/26/25 12:30	MD	EET HOU
Dissolved	Analysis	6010D		50			271654	10/28/25 12:56	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270247	10/22/25 12:57	MD	EET HOU
Total/NA	Analysis	6010D		5			270628	10/23/25 16:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270463	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		2			271280	10/25/25 02:27	DP	EET HOU
Dissolved	Prep	7470A			5 mL	5 mL	270845	10/24/25 11:04	AGR	EET HOU
Dissolved	Analysis	7470A		1			271019	10/24/25 18:07	SHZ	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	270847	10/24/25 11:08	AGR	EET HOU
Total/NA	Analysis	7470A		1			271018	10/24/25 20:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 17:42	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744786	11/11/25 08:50	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.86 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745772	11/18/25 07:58	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.86 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745605	11/17/25 12:17	SWS	EET SL

Client Sample ID: SFL MW-6D
Lab Sample ID: 870-40847-10

Date Collected: 10/15/25 16:00
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270450	10/24/25 02:22	RJD	EET HOU
Total/NA	Analysis	9056A		10			270450	10/24/25 02:31	RJD	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	271207	10/27/25 10:00	MD	EET HOU
Dissolved	Analysis	6010D		1			271468	10/27/25 19:48	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	271207	10/27/25 10:00	MD	EET HOU
Dissolved	Analysis	6010D		50			271468	10/27/25 19:54	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	271100	10/26/25 12:30	MD	EET HOU
Total/NA	Analysis	6010D		1			271654	10/28/25 12:55	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	271100	10/26/25 12:30	MD	EET HOU
Total/NA	Analysis	6010D		50			271654	10/28/25 12:58	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270463	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 02:30	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270463	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		5			271280	10/25/25 02:33	DP	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-6D
Lab Sample ID: 870-40847-10
Date Collected: 10/15/25 16:00
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			5 mL	5 mL	270847	10/24/25 11:10	AGR	EET HOU
Dissolved	Analysis	7470A		1			271018	10/24/25 20:16	SHZ	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	270845	10/24/25 11:04	AGR	EET HOU
Total/NA	Analysis	7470A		1			271019	10/24/25 19:22	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 18:30	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32917	10/23/25 13:15	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741563	10/21/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			744782	11/11/25 10:16	MLS	EET SL
Total/NA	Prep	PrecSep-21			501.70 mL	1.0 g	741528	10/21/25 08:54	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 07:46	SWS	EET SL
Total/NA	Prep	PrecSep_0			501.70 mL	1.0 g	741529	10/21/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			744807	11/11/25 10:43	SWS	EET SL

Client Sample ID: FB-3
Lab Sample ID: 870-40847-11
Date Collected: 10/15/25 12:10
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270450	10/24/25 01:24	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	271100	10/26/25 12:30	MD	EET HOU
Total/NA	Analysis	6010D		1			271654	10/28/25 13:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270463	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 02:36	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	270845	10/24/25 11:04	AGR	EET HOU
Total/NA	Analysis	7470A		1			271019	10/24/25 19:25	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			271367	10/27/25 14:09	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	32870	10/22/25 09:11	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32917	10/23/25 13:15	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741563	10/21/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			744778	11/11/25 10:16	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.41 mL	1.0 g	741528	10/21/25 08:54	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 07:47	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.41 mL	1.0 g	741529	10/21/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			744807	11/11/25 10:44	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-40847-1	SFL MW-7S	Water	10/15/25 11:30	10/17/25 10:23	Texas
870-40847-2	SFL MW-4S	Water	10/15/25 13:00	10/17/25 10:23	Texas
870-40847-3	SFL MW-2D	Water	10/15/25 14:45	10/17/25 10:23	Texas
870-40847-4	SFL MW-1S (cont)	Water	10/15/25 08:55	10/17/25 10:23	Texas
870-40847-5	SFL MW-8S	Water	10/15/25 11:10	10/17/25 10:23	Texas
870-40847-6	SFL MW-8D	Water	10/15/25 12:55	10/17/25 10:23	Texas
870-40847-7	FD-3	Water	10/15/25 09:00	10/17/25 10:23	Texas
870-40847-8	SFL MW-15D	Water	10/15/25 14:35	10/17/25 10:23	Texas
870-40847-9	SFL MW-1S	Water	10/15/25 15:30	10/17/25 10:23	Texas
870-40847-10	SFL MW-6D	Water	10/15/25 16:00	10/17/25 10:23	Texas
870-40847-11	FB-3	Water	10/15/25 12:10	10/17/25 10:23	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/2/2025

Client Information	Sampler: WRC/PNC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14358-4772.1
Client Contact: Matt Barickman	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 1 of 4
Company: HDR Inc	PWSID:			Job #:

Address: 17111 Preston Road Suite 200	Due Date Requested:	Analysis Requested	Preservation Codes: D - HNO3 N - None
City: Dallas	TAT Requested (days):		
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No		
Phone:	PO #: Purchase Order not required		Other:
Email: Mattison.Barickman@hdrinc.com	WO #:		
Project Name: Appendix III/IV	Project #: 87002063		
Site: GCSES	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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Local Method	9056A_ORGFM_28D - (MOD) Local Method	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	N	N	D	D	N	N		
SFL MW-7S	10/15/25	1130	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-4S	10/15/25	1300	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-2D	10/15/25	1445	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-1S (cont)	10/15/25	0855	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-8S	10/15/25	1110	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-8D	10/15/25	1255	G	Water			X	X	X	X	X	X		X	X	7	
FD-3	10/15/25	0900	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-15D	10/15/25	1435	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-1S	10/15/25	1530	G	Water	Y		X	X	X	X	X	X	X	X	X	7	
SFL MW-6D	10/15/25	1600	G	Water	Y		X	X	X	X	X	X	X	X	X	7	
FB-3	10/15/25	1210	G	Water			X	X	X	X	X	X		X	X	7	

870-40847 Chain of Custody

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: 8850 5180 7914, 7936, 7925, 7947

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

Relinquished by: W.R. Cullen	Date/Time: 10/16/25 1500	Company	Received by: Fed Ex	Date/Time:	Company
Relinquished by: Fed Ex	Date/Time:	Company	Received by:	Date/Time: 10/17/25 10:23	Company
Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: Tamch2 CF-0.2 0.6/0.4 0.6/0.4 0.4/0.2 0.8/0.6

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9330.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-40847-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 10/24/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-7S (870-40847-1)	10/15/25	11:30 Central	G	Water			X	X	X	2	
SFL MW-4S (870-40847-2)	10/15/25	13:00 Central	G	Water			X	X	X	2	
SFL MW-2D (870-40847-3)	10/15/25	14:45 Central	G	Water			X	X	X	2	
SFL MW-1S (cont) (870-40847-4)	10/15/25	08:55 Central	G	Water			X	X	X	2	
SFL MW-8S (870-40847-5)	10/15/25	11:10 Central	G	Water			X	X	X	2	
SFL MW-8D (870-40847-6)	10/15/25	12:55 Central	G	Water			X	X	X	2	
FD-3 (870-40847-7)	10/15/25	09:00 Central	G	Water			X	X	X	2	
SFL MW-15D (870-40847-8)	10/15/25	14:35 Central	G	Water			X	X	X	2	
SFL MW-1S (870-40847-9)	10/15/25	15:30 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: FEDEX Method of Shipment:

Relinquished by:	Date/Time: 10/17/25 - 1700	Company	Received by: OCT 17 2025	Date/Time: 0835 OCT 20 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9330.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-40847-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 10/24/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-6D (870-40847-10)	10/15/25	16:00 Central	G	Water			X	X	X	2	
FB-3 (870-40847-11)	10/15/25	12:10 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/17/25-1700		OCT 17 2025	0835 OCT 20 2025	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

12/2/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9331 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-40847 1
Address: 4145 Greenbriar Dr	Due Date Requested: 10/23/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury						Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
SFL MW-7S (870-40847 1)	10/15/25	11:30 Central	G	Water			X	X	X	X	X								3	
SFL MW-4S (870-40847-2)	10/15/25	13:00 Central	G	Water			X	X	X	X	X								3	
SFL MW-2D (870-40847-3)	10/15/25	14:45 Central	G	Water			X	X	X	X	X								3	
SFL MW-1S (cont) (870-40847-4)	10/15/25	08:55 Central	G	Water			X	X	X	X	X								3	
SFL MW-8S (870-40847-5)	10/15/25	11 10 Central	G	Water			X	X	X	X	X								3	
SFL MW-8D (870-40847-6)	10/15/25	12:55 Central	G	Water			X	X	X	X	X								3	
FD-3 (870-40847-7)	10/15/25	09:00 Central	G	Water			X	X	X	X	X								3	
SFL MW-15D (870-40847-8)	10/15/25	14:35 Central	G	Water			X	X	X	X	X								3	
SFL MW-1S (870-40847-9)	10/15/25	15:30 Central	G	Water			X	X	X	X	X	X	X						4	Field filtered dissolved metals, Field Filtered Dissolved Hg

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	*Date:* *Time:* TPX	Method of Shipment:

Relinquished by: AB	Date/Time: 10/17/25-1710	Company	Received by: OCT 17 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10-18-25 0800	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: IR-318 4.7°

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

12/2/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9331.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-40847 1
Address: 4145 Greenbriar Dr	Due Date Requested: 10/23/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SFL MW-6D (870-40847 10)	10/15/25	16:00 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
FB-3 (870-40847 11)	10/15/25	12:10 Central	G	Water			X	X	X	X	X			3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/17/25-1700		OCT 17 2025		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10-18-25 0800	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40847-1

Login Number: 40847
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40847-1

Login Number: 40847
List Number: 2
Creator: Grandits, Corey

List Source: Eurofins Houston
List Creation: 10/18/25 10:07 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40847-1

Login Number: 40847
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 10/20/25 11:38 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 12/2/2025 4:52:41 PM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station

JOB NUMBER

870-40869-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

myEOL

Eurofins Dallas

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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12/2/2025 4:52:41 PM

Authorized for release by
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Definitions/Glossary

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

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

Metals

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

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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
870-40869-1

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 10/17/2025 10:23 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 1.2°C and 1.6°C.

Receipt Exceptions
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): sample 2. The container labels list EB1, while the COC lists EQ1. Sample was logged per ID on COC.

HPLC/IC
Method 9056A_ORGFM_28D: Due to the high concentration of Chloride, Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-270764 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Metals
Method 6010D: The following samples were diluted due to the nature of the sample matrix: AP MW-7D (870-40869-1), EQ1 (870-40869-2), FB4 (870-40869-3) and SFL MW-5D (870-40869-5). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: AP MW-7D (870-40869-1), EQ1 (870-40869-2), FB4 (870-40869-3), SFL MW-3D (870-40869-4) and SFL MW-5D (870-40869-5).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 741563
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-741563/1-A).

Method 901.1_Ra: Gamma Batch 741563
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
EQ1 (870-40869-2), FB4 (870-40869-3), SFL MW-5D (870-40869-5) and (870-40847-B-10-A)

Method 901.1_Ra: Gamma Batch 741563
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example,

Job ID: 870-40869-1 (Continued) Eurofins Dallas

Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

AP MW-7D (870-40869-1), EQ1 (870-40869-2), FB4 (870-40869-3), SFL MW-3D (870-40869-4), SFL MW-5D (870-40869-5), (870-40847-B-10-A) and (870-40847-B-10-B DU)

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

Gas Flow Proportional Counter
Method 903.0: Radium 226 Prep Batch 160-741701

Insufficient sample volume was available to perform a sample duplicate for the following samples: AP MW-7D (870-40869-1), EQ1 (870-40869-2), FB4 (870-40869-3), SFL MW-3D (870-40869-4) and SFL MW-5D (870-40869-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 Prep Batch 160-741702

Insufficient sample volume was available to perform a sample duplicate for the following samples: AP MW-7D (870-40869-1), EQ1 (870-40869-2), FB4 (870-40869-3), SFL MW-3D (870-40869-4) and SFL MW-5D (870-40869-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 Batch 741702

The Radium-228 laboratory control sample and laboratory control sample duplicate (LCS/LCSD) associated with the following samples recovered at 134 and 141%: (LCS 160-741702/2-A) and (LCSD 160-741702/3-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

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

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-7D
Lab Sample ID: 870-40869-1
Date Collected: 10/16/25 08:15
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1030**		5.00	2.50	mg/L			10/24/25 01:53	10
Fluoride	<0.100	U	0.500	0.100	mg/L			10/24/25 01:43	1
Sulfate	**1260**		5.00	2.00	mg/L			10/24/25 01:53	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.955**		0.250	0.0809	mg/L		10/23/25 09:30	10/23/25 18:21	5
Calcium	**378**		1.00	0.508	mg/L		10/23/25 09:30	10/23/25 18:21	5
Magnesium	**58.0**		1.00	0.222	mg/L		10/23/25 09:30	10/23/25 18:21	5
Potassium	**42.8**		2.50	0.530	mg/L		10/23/25 09:30	10/23/25 18:21	5
Sodium	**685**		2.50	0.759	mg/L		10/23/25 09:30	10/23/25 18:21	5
Lithium	**0.404**		0.200	0.0868	mg/L		10/23/25 09:30	10/23/25 18:21	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00995**	**J**	0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:40	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:40	1
Arsenic	**0.00970**		0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:40	1
Barium	**0.0518**		0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:40	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:40	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:40	1
Chromium	**0.00232**	**J**	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:40	1
Cobalt	**0.00399**		0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:40	1
Iron	**0.535**		0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:40	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:40	1
Molybdenum	**0.0124**		0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:40	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:40	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:36	10/23/25 18:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**252**		4.00	4.00	mg/L			10/23/25 18:18	1
Total Dissolved Solids (SM 2540C)	**3070**		20.0	20.0	mg/L			10/22/25 13:13	1
pH (SM 4500 H+ B)	**6.9**	**HF**			SU			10/23/25 13:15	1
Temperature (SM 4500 H+ B)	**22.4**	**HF**			Celsius			10/23/25 13:15	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	28.3	U	26.3	26.4	50.0	28.7	pCi/L	10/21/25 15:57	11/11/25 10:15	1
Radium-228	11.7	U	27.7	27.7	50.0	44.3	pCi/L	10/21/25 15:57	11/11/25 10:15	1
Combined Radium 226 + 228	40.0	U	38.2	38.3		44.3	pCi/L	10/21/25 15:57	11/11/25 10:15	1

Client Sample ID: AP MW-7D
Lab Sample ID: 870-40869-1
Date Collected: 10/16/25 08:15
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.452**		0.195	0.199	1.00	0.194	pCi/L	10/22/25 08:05	11/17/25 23:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/22/25 08:05*	*11/17/25 23:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.18**		0.446	0.459	1.00	0.575	pCi/L	10/22/25 08:09	11/17/25 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:15*	*1*
Y Carrier	*83.7*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:15*	*1*

Client Sample ID: EQ1
Lab Sample ID: 870-40869-2
Date Collected: 10/16/25 09:30
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/24/25 17:14	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/24/25 17:14	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/24/25 17:14	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0809	U	0.250	0.0809	mg/L		10/23/25 09:30	10/23/25 18:34	5
Calcium	<0.508	U	1.00	0.508	mg/L		10/23/25 09:30	10/23/25 18:34	5
Magnesium	<0.222	U	1.00	0.222	mg/L		10/23/25 09:30	10/23/25 18:34	5
Potassium	<0.530	U	2.50	0.530	mg/L		10/23/25 09:30	10/23/25 18:34	5
Sodium	**1.10**	**J**	2.50	0.759	mg/L		10/23/25 09:30	10/23/25 18:34	5
Lithium	<0.0868	U	0.200	0.0868	mg/L		10/23/25 09:30	10/23/25 18:34	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:43	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:43	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:43	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:43	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:43	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:43	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:43	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:43	1
Iron	**0.00909**	**J**	0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:43	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:43	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:43	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:43	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:43	1

Client Sample ID: EQ1
Lab Sample ID: 870-40869-2
Date Collected: 10/16/25 09:30
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/23/25 17:48	1
Total Dissolved Solids (SM 2540C)	**7.50**		2.50	2.50	mg/L			10/22/25 13:13	1
pH (SM 4500 H+ B)	**6.2**	**HF**			SU			10/23/25 13:15	1
Temperature (SM 4500 H+ B)	**23.1**	**HF**			Celsius			10/23/25 13:15	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-6.12	U G	19.8	19.8	50.0	60.4	pCi/L	10/21/25 15:57	11/11/25 10:15	1
Radium-228	12.2	U	29.3	29.3	50.0	41.4	pCi/L	10/21/25 15:57	11/11/25 10:15	1
Combined Radium 226 + 228	6.10	U	35.4	35.4		60.4	pCi/L	10/21/25 15:57	11/11/25 10:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0546	U	0.106	0.106	1.00	0.193	pCi/L	10/22/25 08:05	11/17/25 23:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*10/22/25 08:05*	*11/17/25 23:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.192	U	0.326	0.327	1.00	0.559	pCi/L	10/22/25 08:09	11/17/25 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:15*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:15*	*1*

Client Sample ID: FB4
Lab Sample ID: 870-40869-3
Date Collected: 10/16/25 10:00
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.340**	**J**	0.500	0.250	mg/L			10/24/25 17:27	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/24/25 17:27	1
Sulfate	**0.202**	**J**	0.500	0.200	mg/L			10/24/25 17:27	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0809	U	0.250	0.0809	mg/L		10/23/25 09:30	10/23/25 18:36	5
Calcium	<0.508	U	1.00	0.508	mg/L		10/23/25 09:30	10/23/25 18:36	5
Magnesium	<0.222	U	1.00	0.222	mg/L		10/23/25 09:30	10/23/25 18:36	5

Client Sample ID: FB4
Lab Sample ID: 870-40869-3
Date Collected: 10/16/25 10:00
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.530	U	2.50	0.530	mg/L		10/23/25 09:30	10/23/25 18:36	5
Sodium	**1.09**	**J**	2.50	0.759	mg/L		10/23/25 09:30	10/23/25 18:36	5
Lithium	<0.0868	U	0.200	0.0868	mg/L		10/23/25 09:30	10/23/25 18:36	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:45	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:45	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:45	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:45	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:45	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:45	1
Chromium	**0.000582**	**J**	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:45	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:45	1
Iron	**0.00554**	**J**	0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:45	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:45	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:45	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:45	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/23/25 18:08	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			10/22/25 13:13	1
pH (SM 4500 H+ B)	**5.8**	**HF**			SU			10/23/25 13:15	1
Temperature (SM 4500 H+ B)	**23.1**	**HF**			Celsius			10/23/25 13:15	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-9.49	U G	34.0	34.0	50.0	59.3	pCi/L	10/21/25 15:57	11/11/25 10:16	1
Radium-228	15.5	U G	34.0	34.1	50.0	50.2	pCi/L	10/21/25 15:57	11/11/25 10:16	1
Combined Radium 226 + 228	6.04	U	48.1	48.2		59.3	pCi/L	10/21/25 15:57	11/11/25 10:16	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0201	U	0.112	0.112	1.00	0.244	pCi/L	10/22/25 08:05	11/17/25 23:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/22/25 08:05*	*11/17/25 23:22*	*1*

Client Sample ID: FB4
Lab Sample ID: 870-40869-3
Date Collected: 10/16/25 10:00
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.239	U	0.378	0.379	1.00	0.642	pCi/L	10/22/25 08:09	11/17/25 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:16*	*1*
Y Carrier	*79.6*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:16*	*1*

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-40869-4
Date Collected: 10/16/25 08:35
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1650**		5.00	2.50	mg/L			10/24/25 17:46	10
Fluoride	**0.109**	**J**	0.500	0.100	mg/L			10/24/25 17:40	1
Sulfate	**966**		5.00	2.00	mg/L			10/24/25 17:46	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.789**		0.0500	0.0162	mg/L		10/24/25 09:00	10/24/25 19:00	1
Calcium	**369**		0.200	0.102	mg/L		10/24/25 09:00	10/24/25 19:00	1
Magnesium	**53.8**		0.200	0.0445	mg/L		10/24/25 09:00	10/24/25 19:00	1
Potassium	**43.3**		0.500	0.106	mg/L		10/24/25 09:00	10/24/25 19:00	1
Sodium	**875**		25.0	7.59	mg/L		10/24/25 09:00	10/24/25 19:07	50
Lithium	**0.356**		0.0400	0.0174	mg/L		10/24/25 09:00	10/24/25 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0691**		0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:48	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:48	1
Arsenic	**0.00240**	**J**	0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:48	1
Barium	**0.0343**		0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:48	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:48	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:48	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:48	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:48	1
Iron	**2.51**		0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:48	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:48	1
Molybdenum	**0.000506**	**J**	0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:48	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:48	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**200**		4.00	4.00	mg/L			10/23/25 16:16	1
Total Dissolved Solids (SM 2540C)	**3630**		20.0	20.0	mg/L			10/22/25 13:13	1

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-40869-4
Date Collected: 10/16/25 08:35
Matrix: Water
Date Received: 10/17/25 10:23

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	6.5	HF			SU			10/23/25 13:15	1
Temperature (SM 4500 H+ B)	22.8	HF			Celsius			10/23/25 13:15	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	38.9		19.0	19.4	50.0	22.3	pCi/L	10/21/25 15:57	11/11/25 12:18	1
Radium-228	16.9	U	27.5	27.5	50.0	43.1	pCi/L	10/21/25 15:57	11/11/25 12:18	1
Combined Radium 226 + 228	55.8		33.4	33.7		43.1	pCi/L	10/21/25 15:57	11/11/25 12:18	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.575		0.234	0.240	1.00	0.254	pCi/L	10/22/25 08:05	11/17/25 23:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/22/25 08:05*	*11/17/25 23:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.40		0.497	0.513	1.00	0.616	pCi/L	10/22/25 08:09	11/17/25 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:16*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:16*	*1*

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-40869-5
Date Collected: 10/16/25 10:55
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		5.00	2.50	mg/L			10/24/25 18:12	10
Fluoride	0.269	J	0.500	0.100	mg/L			10/24/25 18:05	1
Sulfate	755		5.00	2.00	mg/L			10/24/25 18:12	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.36		0.250	0.0809	mg/L		10/23/25 09:30	10/23/25 18:37	5
Calcium	176		1.00	0.508	mg/L		10/23/25 09:30	10/23/25 18:37	5
Magnesium	18.7		1.00	0.222	mg/L		10/23/25 09:30	10/23/25 18:37	5
Potassium	38.5		2.50	0.530	mg/L		10/23/25 09:30	10/23/25 18:37	5
Sodium	895		2.50	0.759	mg/L		10/23/25 09:30	10/23/25 18:37	5
Lithium	0.325		0.200	0.0868	mg/L		10/23/25 09:30	10/23/25 18:37	5

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-40869-5

Date Collected: 10/16/25 10:55
Matrix: Water
Date Received: 10/17/25 10:23

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		10/27/25 13:33	10/28/25 17:13	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		10/27/25 13:33	10/28/25 17:13	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/27/25 13:33	10/28/25 17:13	1
Barium	**0.0337**		0.0100	0.00125	mg/L		10/27/25 13:33	10/28/25 17:13	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/27/25 13:33	10/28/25 17:13	1
Boron	**1.08**		0.0500	0.0162	mg/L		10/27/25 13:33	10/28/25 17:13	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/27/25 13:33	10/28/25 17:13	1
Calcium	**144**		0.200	0.102	mg/L		10/27/25 13:33	10/28/25 17:13	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/27/25 13:33	10/28/25 17:13	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		10/27/25 13:33	10/28/25 17:13	1
Iron	**0.257**		0.200	0.0283	mg/L		10/27/25 13:33	10/28/25 17:13	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		10/27/25 13:33	10/28/25 17:13	1
Magnesium	**15.3**		0.200	0.0445	mg/L		10/27/25 13:33	10/28/25 17:13	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		10/27/25 13:33	10/28/25 17:13	1
Potassium	**35.9**		0.500	0.106	mg/L		10/27/25 13:33	10/28/25 17:13	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		10/27/25 13:33	10/28/25 17:13	1
Sodium	**680**		25.0	7.59	mg/L		10/27/25 13:33	10/28/25 17:16	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		10/27/25 13:33	10/28/25 17:13	1
Li	**0.256**		0.0400	0.0174	mg/L		10/27/25 13:33	10/28/25 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0426**		0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:51	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:51	1
Arsenic	**0.00140**	**J**	0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:51	1
Barium	**0.0316**		0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:51	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:51	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:51	1
Chromium	**0.000678**	**J**	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:51	1
Cobalt	**0.000873**	**J**	0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:51	1
Iron	**0.166**		0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:51	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:51	1
Molybdenum	**0.00480**		0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:51	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:51	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:19	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**262**		4.00	4.00	mg/L			10/23/25 18:12	1
Total Dissolved Solids (SM 2540C)	**2610**		20.0	20.0	mg/L			10/22/25 13:13	1
pH (SM 4500 H+ B)	**7.4**	**HF**			SU			10/23/25 13:15	1
Temperature (SM 4500 H+ B)	**22.6**	**HF**			Celsius			10/23/25 13:15	1

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-40869-5
Date Collected: 10/16/25 10:55
Matrix: Water
Date Received: 10/17/25 10:23

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	35.3	U G	22.3	22.6	50.0	79.1	pCi/L	10/21/25 15:57	11/11/25 12:19	1
Radium-228	4.04	U G	10.2	10.3	50.0	84.1	pCi/L	10/21/25 15:57	11/11/25 12:19	1
Combined Radium 226 + 228	39.4	U	24.5	24.8		84.1	pCi/L	10/21/25 15:57	11/11/25 12:19	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.590**		0.222	0.229	1.00	0.193	pCi/L	10/22/25 08:05	11/17/25 23:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*10/22/25 08:05*	*11/17/25 23:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.16**		0.455	0.468	1.00	0.572	pCi/L	10/22/25 08:09	11/17/25 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:16*	*1*
Y Carrier	*79.3*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:16*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
870-40869-1	AP MW-7D	90.2
870-40869-2	EQ1	88.5
870-40869-3	FB4	87.7
870-40869-4	SFL MW-3D	86.6
870-40869-5	SFL MW-5D	84.4
LCS 160-741701/2-A	Lab Control Sample	87.7
LCSD 160-741701/3-A	Lab Control Sample Dup	83.9
MB 160-741701/1-A	Method Blank	89.1

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
870-40869-1	AP MW-7D	90.2	83.7
870-40869-2	EQ1	88.5	81.5
870-40869-3	FB4	87.7	79.6
870-40869-4	SFL MW-3D	86.6	78.5
870-40869-5	SFL MW-5D	84.4	79.3
LCS 160-741702/2-A	Lab Control Sample	87.7	84.1
LCSD 160-741702/3-A	Lab Control Sample Dup	83.9	83.4
MB 160-741702/1-A	Method Blank	89.1	81.9

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-270450/62
Matrix: Water
Analysis Batch: 270450

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/23/25 19:49	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/23/25 19:49	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/23/25 19:49	1

Lab Sample ID: LCS 860-270450/63
Matrix: Water
Analysis Batch: 270450

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.14		mg/L		101	90 - 110
Fluoride	10.0	9.717		mg/L		97	90 - 110
Sulfate	10.0	10.32		mg/L		103	90 - 110

Lab Sample ID: LCSD 860-270450/64
Matrix: Water
Analysis Batch: 270450

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
Chloride	10.0	10.25		mg/L		102	90 - 110	1	20
Fluoride	10.0	9.874		mg/L		99	90 - 110	2	20
Sulfate	10.0	10.41		mg/L		104	90 - 110	1	20

Lab Sample ID: LLCS 860-270450/66
Matrix: Water
Analysis Batch: 270450

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6840		mg/L		137	50 - 150
Fluoride	0.500	0.5206		mg/L		104	50 - 150
Sulfate	0.500	0.6417		mg/L		128	50 - 150

Lab Sample ID: MB 860-270764/36
Matrix: Water
Analysis Batch: 270764

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/24/25 12:37	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/24/25 12:37	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/24/25 12:37	1

Lab Sample ID: LCS 860-270764/37
Matrix: Water
Analysis Batch: 270764

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.02		mg/L		100	90 - 110
Fluoride	10.0	10.02		mg/L		100	90 - 110
Sulfate	10.0	9.744		mg/L		97	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-270764/38
Matrix: Water
Analysis Batch: 270764

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
Chloride			10.0	10.03		mg/L		100	90 - 110	0	20
Fluoride			10.0	10.09		mg/L		101	90 - 110	1	20
Sulfate			10.0	9.773		mg/L		98	90 - 110	0	20

Lab Sample ID: LLCS 860-270764/40
Matrix: Water
Analysis Batch: 270764

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.5289		mg/L		106	50 - 150		
Fluoride			0.500	0.4925	J	mg/L		99	50 - 150		
Sulfate			0.500	0.5263		mg/L		105	50 - 150		

Lab Sample ID: 870-40869-5 MS
Matrix: Water
Analysis Batch: 270764

Client Sample ID: SFL MW-5D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.269	J	10.0	11.04		mg/L		108	90 - 110		

Lab Sample ID: 870-40869-5 MSD
Matrix: Water
Analysis Batch: 270764

Client Sample ID: SFL MW-5D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.269	J	10.0	11.02		mg/L		108	90 - 110	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-270464/1-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/23/25 09:30	10/23/25 17:06	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/23/25 09:30	10/23/25 17:06	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/23/25 09:30	10/23/25 17:06	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/23/25 09:30	10/23/25 17:06	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/23/25 09:30	10/23/25 17:06	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/23/25 09:30	10/23/25 17:06	1

Lab Sample ID: LCS 860-270464/2-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270464

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	1.010		mg/L		101	80 - 120		
Calcium			25.0	25.60		mg/L		102	80 - 120		
Magnesium			25.0	25.50		mg/L		102	80 - 120		
Potassium			10.0	9.940		mg/L		99	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-270464/2-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	25.0	24.70		mg/L		99	80 - 120
Lithium	1.00	0.9590		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-270464/3-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270464

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.000		mg/L		100	80 - 120	1	20
Calcium	25.0	25.50		mg/L		102	80 - 120	0	20
Magnesium	25.0	25.40		mg/L		102	80 - 120	0	20
Potassium	10.0	9.880		mg/L		99	80 - 120	1	20
Sodium	25.0	24.60		mg/L		98	80 - 120	0	20
Lithium	1.00	0.9600		mg/L		96	80 - 120	0	20

Lab Sample ID: MB 860-270804/1-A
Matrix: Water
Analysis Batch: 271152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270804

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/24/25 09:00	10/24/25 17:57	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/24/25 09:00	10/24/25 17:57	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/24/25 09:00	10/24/25 17:57	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/24/25 09:00	10/24/25 17:57	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/24/25 09:00	10/24/25 17:57	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/24/25 09:00	10/24/25 17:57	1

Lab Sample ID: LCS 860-270804/2-A
Matrix: Water
Analysis Batch: 271152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.030		mg/L		103	80 - 120
Calcium	25.0	25.80		mg/L		103	80 - 120
Magnesium	25.0	25.90		mg/L		104	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Sodium	25.0	25.50		mg/L		102	80 - 120
Lithium	1.00	0.9800		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-270804/3-A
Matrix: Water
Analysis Batch: 271152

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270804

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.030		mg/L		103	80 - 120	0	20
Calcium	25.0	25.80		mg/L		103	80 - 120	0	20
Magnesium	25.0	26.00		mg/L		104	80 - 120	0	20
Potassium	10.0	10.20		mg/L		102	80 - 120	1	20
Sodium	25.0	25.40		mg/L		102	80 - 120	0	20
Lithium	1.00	0.9730		mg/L		97	80 - 120	1	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-270379/25-B
Matrix: Water
Analysis Batch: 271152

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 270838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		10/24/25 10:26	10/24/25 19:33	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/24/25 10:26	10/24/25 19:33	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		10/24/25 10:26	10/24/25 19:33	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/24/25 10:26	10/24/25 19:33	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/24/25 10:26	10/24/25 19:33	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/24/25 10:26	10/24/25 19:33	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/24/25 10:26	10/24/25 19:33	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/24/25 10:26	10/24/25 19:33	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		10/24/25 10:26	10/24/25 19:33	1
Iron	<0.0283	U	0.200	0.0283	mg/L		10/24/25 10:26	10/24/25 19:33	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		10/24/25 10:26	10/24/25 19:33	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/24/25 10:26	10/24/25 19:33	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		10/24/25 10:26	10/24/25 19:33	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/24/25 10:26	10/24/25 19:33	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		10/24/25 10:26	10/24/25 19:33	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/24/25 10:26	10/24/25 19:33	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		10/24/25 10:26	10/24/25 19:33	1
Li	<0.0174	U	0.0400	0.0174	mg/L		10/24/25 10:26	10/24/25 19:33	1

Lab Sample ID: LCSD 860-270379/27-B
Matrix: Water
Analysis Batch: 271152

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 270838

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.120		mg/L		102	80 - 120	0	20
Arsenic	1.00	1.010		mg/L		101	80 - 120	0	20
Barium	1.00	1.060		mg/L		106	80 - 120	0	20
Beryllium	1.00	1.050		mg/L		105	80 - 120	0	20
Boron	1.00	1.030		mg/L		103	80 - 120	1	20
Cadmium	1.00	1.030		mg/L		103	80 - 120	0	20
Calcium	25.0	25.60		mg/L		102	80 - 120	0	20
Chromium	1.00	1.050		mg/L		105	80 - 120	1	20
Cobalt	1.00	0.9930		mg/L		99	80 - 120	0	20
Iron	5.00	5.060		mg/L		101	80 - 120	0	20
Lead	1.00	1.050		mg/L		105	80 - 120	0	20
Magnesium	25.0	25.70		mg/L		103	80 - 120	0	20
Molybdenum	1.00	1.010		mg/L		101	80 - 120	4	20
Potassium	10.0	10.10		mg/L		101	80 - 120	1	20
Selenium	1.00	1.070		mg/L		107	80 - 120	2	20
Sodium	25.0	25.20		mg/L		101	80 - 120	0	20
Thallium	1.00	1.090		mg/L		109	80 - 120	0	20
Li	1.00	0.9730		mg/L		97	80 - 120	1	20

Lab Sample ID: MB 860-270379/25-C
Matrix: Water
Analysis Batch: 271903

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 271278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		10/27/25 13:33	10/28/25 16:11	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-270379/25-C
Matrix: Water
Analysis Batch: 271903

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 271278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00803	U	0.0200	0.00803	mg/L		10/27/25 13:33	10/28/25 16:11	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/27/25 13:33	10/28/25 16:11	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		10/27/25 13:33	10/28/25 16:11	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/27/25 13:33	10/28/25 16:11	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/27/25 13:33	10/28/25 16:11	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/27/25 13:33	10/28/25 16:11	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/27/25 13:33	10/28/25 16:11	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/27/25 13:33	10/28/25 16:11	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		10/27/25 13:33	10/28/25 16:11	1
Iron	<0.0283	U	0.200	0.0283	mg/L		10/27/25 13:33	10/28/25 16:11	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		10/27/25 13:33	10/28/25 16:11	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/27/25 13:33	10/28/25 16:11	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		10/27/25 13:33	10/28/25 16:11	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/27/25 13:33	10/28/25 16:11	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		10/27/25 13:33	10/28/25 16:11	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/27/25 13:33	10/28/25 16:11	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		10/27/25 13:33	10/28/25 16:11	1
Li	<0.0174	U	0.0400	0.0174	mg/L		10/27/25 13:33	10/28/25 16:11	1

Lab Sample ID: LCS 860-270379/26-C
Matrix: Water
Analysis Batch: 271903

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 271278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.050		mg/L		101	80 - 120
Antimony	1.00	0.9060		mg/L		91	80 - 120
Arsenic	1.00	1.010		mg/L		101	80 - 120
Barium	1.00	1.020		mg/L		102	80 - 120
Beryllium	1.00	1.020		mg/L		102	80 - 120
Boron	1.00	0.9860		mg/L		99	80 - 120
Cadmium	1.00	0.9860		mg/L		99	80 - 120
Calcium	25.0	24.70		mg/L		99	80 - 120
Chromium	1.00	1.010		mg/L		101	80 - 120
Cobalt	1.00	0.9730		mg/L		97	80 - 120
Iron	5.00	4.930		mg/L		99	80 - 120
Lead	1.00	0.9820		mg/L		98	80 - 120
Magnesium	25.0	23.70		mg/L		95	80 - 120
Molybdenum	1.00	0.9760		mg/L		98	80 - 120
Potassium	10.0	9.790		mg/L		98	80 - 120
Selenium	1.00	1.020		mg/L		102	80 - 120
Sodium	25.0	23.90		mg/L		96	80 - 120
Thallium	1.00	1.030		mg/L		103	80 - 120
Li	1.00	0.9090		mg/L		91	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-270379/27-C
Matrix: Water
Analysis Batch: 271903

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 271278

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.000		mg/L		100	80 - 120	1	20
Antimony	1.00	0.9350		mg/L		94	80 - 120	3	20
Arsenic	1.00	1.000		mg/L		100	80 - 120	1	20
Barium	1.00	1.020		mg/L		102	80 - 120	0	20
Beryllium	1.00	1.020		mg/L		102	80 - 120	0	20
Boron	1.00	0.9860		mg/L		99	80 - 120	0	20
Cadmium	1.00	0.9830		mg/L		98	80 - 120	0	20
Calcium	25.0	24.60		mg/L		98	80 - 120	0	20
Chromium	1.00	1.010		mg/L		101	80 - 120	0	20
Cobalt	1.00	0.9670		mg/L		97	80 - 120	1	20
Iron	5.00	4.920		mg/L		98	80 - 120	0	20
Lead	1.00	0.9840		mg/L		98	80 - 120	0	20
Magnesium	25.0	23.60		mg/L		94	80 - 120	0	20
Molybdenum	1.00	0.9810		mg/L		98	80 - 120	1	20
Potassium	10.0	9.730		mg/L		97	80 - 120	1	20
Selenium	1.00	1.020		mg/L		102	80 - 120	0	20
Sodium	25.0	23.80		mg/L		95	80 - 120	0	20
Thallium	1.00	1.030		mg/L		103	80 - 120	0	20
Li	1.00	0.9020		mg/L		90	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-270797/1-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/24/25 09:00	10/24/25 23:56	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/24/25 23:56	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/24/25 09:00	10/24/25 23:56	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/24/25 09:00	10/24/25 23:56	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/24/25 23:56	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/24/25 23:56	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 09:00	10/24/25 23:56	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 09:00	10/24/25 23:56	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/24/25 09:00	10/24/25 23:56	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/24/25 23:56	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 09:00	10/24/25 23:56	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/24/25 23:56	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/24/25 23:56	1

Lab Sample ID: LCS 860-270797/2-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4879		mg/L		98	80 - 120
Antimony	0.100	0.09651		mg/L		97	80 - 120
Arsenic	0.100	0.09800		mg/L		98	80 - 120

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

Lab Sample ID: LCS 860-270797/2-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.09858		mg/L		99	80 - 120
Beryllium	0.100	0.09612		mg/L		96	80 - 120
Cadmium	0.100	0.09928		mg/L		99	80 - 120
Chromium	0.100	0.09851		mg/L		99	80 - 120
Cobalt	0.100	0.09791		mg/L		98	80 - 120
Iron	0.500	0.4893		mg/L		98	80 - 120
Lead	0.100	0.09917		mg/L		99	80 - 120
Molybdenum	0.100	0.09657		mg/L		97	80 - 120
Selenium	0.100	0.09888		mg/L		99	80 - 120
Thallium	0.100	0.1016		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-270797/3-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270797

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4904		mg/L		98	80 - 120	1	20
Antimony	0.100	0.09573		mg/L		96	80 - 120	1	20
Arsenic	0.100	0.09801		mg/L		98	80 - 120	0	20
Barium	0.100	0.09764		mg/L		98	80 - 120	1	20
Beryllium	0.100	0.09562		mg/L		96	80 - 120	1	20
Cadmium	0.100	0.09880		mg/L		99	80 - 120	0	20
Chromium	0.100	0.09866		mg/L		99	80 - 120	0	20
Cobalt	0.100	0.09787		mg/L		98	80 - 120	0	20
Iron	0.500	0.4875		mg/L		98	80 - 120	0	20
Lead	0.100	0.09856		mg/L		99	80 - 120	1	20
Molybdenum	0.100	0.09590		mg/L		96	80 - 120	1	20
Selenium	0.100	0.09862		mg/L		99	80 - 120	0	20
Thallium	0.100	0.1008		mg/L		101	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-270422/10-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:35	10/23/25 18:17	1

Lab Sample ID: LCS 860-270422/11-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270422

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001972		mg/L		99	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 860-270422/12-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270422

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001983		mg/L		99	80 - 120	1	20

Lab Sample ID: MB 860-270423/1-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:01	1

Lab Sample ID: LCS 860-270423/2-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270423

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001983		mg/L		99	80 - 120		

Lab Sample ID: LCSD 860-270423/3-A
Matrix: Water
Analysis Batch: 270741

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270423

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001978		mg/L		99	80 - 120	0	20

Lab Sample ID: 870-40869-5 MS
Matrix: Water
Analysis Batch: 270741

Client Sample ID: SFL MW-5D
Prep Type: Dissolved
Prep Batch: 270423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.0000706	U	0.00200	0.001940		mg/L		97	75 - 125		

Lab Sample ID: 870-40869-5 MSD
Matrix: Water
Analysis Batch: 270741

Client Sample ID: SFL MW-5D
Prep Type: Dissolved
Prep Batch: 270423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U	0.00200	0.001873		mg/L		94	75 - 125	4	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-270753/21
Matrix: Water
Analysis Batch: 270753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/23/25 11:35	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-270753/54
Matrix: Water
Analysis Batch: 270753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/23/25 16:35	1

Lab Sample ID: LCS 860-270753/22
Matrix: Water
Analysis Batch: 270753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	242.5		mg/L		97	85 - 115

Lab Sample ID: LCS 860-270753/55
Matrix: Water
Analysis Batch: 270753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	240.3		mg/L		96	85 - 115

Lab Sample ID: LCSD 860-270753/23
Matrix: Water
Analysis Batch: 270753

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
Alkalinity	250	242.7		mg/L		97	85 - 115	0	20

Lab Sample ID: LCSD 860-270753/56
Matrix: Water
Analysis Batch: 270753

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
Alkalinity	250	243.5		mg/L		97	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-32870/1
Matrix: Water
Analysis Batch: 32870

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			10/22/25 09:11	1

Lab Sample ID: LCS 870-32870/2
Matrix: Water
Analysis Batch: 32870

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	883.0		mg/L		88	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 870-32870/3
Matrix: Water
Analysis Batch: 32870

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
Total Dissolved Solids			1000	896.0		mg/L		90	80 - 120	1	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-40869-5 DU
Matrix: Water
Analysis Batch: 32917

Client Sample ID: SFL MW-5D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.4	HF		7.4		SU				0	20
Temperature	22.6	HF		22.6		Celsius				0	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-741563/1-A
Matrix: Water
Analysis Batch: 744784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741563

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	21.62	U G	15.0	15.1	50.0	54.7	pCi/L	10/21/25 11:39	11/11/25 08:50	1
Radium-228	7.850	U	31.8	31.8	50.0	47.4	pCi/L	10/21/25 11:39	11/11/25 08:50	1
Combined Radium 226 + 228	29.47	U	35.2	35.2		54.7	pCi/L	10/21/25 11:39	11/11/25 08:50	1

Lab Sample ID: LCS 160-741563/2-A
Matrix: Water
Analysis Batch: 744781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741563

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Americium-241			142000	138300		15100		873	pCi/L	97	75 - 125		
Cesium-137			37600	37700		3750		123	pCi/L	100	75 - 125		
Cobalt-60			50500	49440		4830		94.4	pCi/L	98	75 - 125		

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-741701/1-A
Matrix: Water
Analysis Batch: 745616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741701

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01364	U	0.0871	0.0871	1.00	0.185	pCi/L	10/22/25 08:05	11/17/25 23:22	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*10/22/25 08:05*	*11/17/25 23:22*	*1*

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-741701/2-A
Matrix: Water
Analysis Batch: 745616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741701

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.703		1.01	1.00	0.186	pCi/L	80	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.7*		*30 - 110*

Lab Sample ID: LCSD 160-741701/3-A
Matrix: Water
Analysis Batch: 745616

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741701

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.57	8.238		1.07	1.00	0.201	pCi/L	86	75 - 125	0.26	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*83.9*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-741702/1-A
Matrix: Water
Analysis Batch: 745616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741702

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6852		0.450	0.455	1.00	0.676	pCi/L	10/22/25 08:09	11/17/25 12:11	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:11*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/22/25 08:09*	*11/17/25 12:11*	*1*

Lab Sample ID: LCS 160-741702/2-A
Matrix: Water
Analysis Batch: 745616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741702

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.92	10.63		1.47	1.00	0.696	pCi/L	134	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.7*		*30 - 110*
Y Carrier	*84.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-741702/3-A
Matrix: Water
Analysis Batch: 745616

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741702

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.92	11.18		1.56	1.00	0.803	pCi/L	141	75 - 125	0.18	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*83.9*		*30 - 110*
Y Carrier	*83.4*		*30 - 110*

HPLC/IC

Analysis Batch: 270450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	9056A	
870-40869-1	AP MW-7D	Total/NA	Water	9056A	
MB 860-270450/62	Method Blank	Total/NA	Water	9056A	
LCS 860-270450/63	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-270450/64	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-270450/66	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 270764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-2	EQ1	Total/NA	Water	9056A	
870-40869-3	FB4	Total/NA	Water	9056A	
870-40869-4	SFL MW-3D	Total/NA	Water	9056A	
870-40869-4	SFL MW-3D	Total/NA	Water	9056A	
870-40869-5	SFL MW-5D	Total/NA	Water	9056A	
870-40869-5	SFL MW-5D	Total/NA	Water	9056A	
MB 860-270764/36	Method Blank	Total/NA	Water	9056A	
LCS 860-270764/37	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-270764/38	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-270764/40	Lab Control Sample	Total/NA	Water	9056A	
870-40869-5 MS	SFL MW-5D	Total/NA	Water	9056A	
870-40869-5 MSD	SFL MW-5D	Total/NA	Water	9056A	

Metals

Filtration Batch: 270379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-270379/25-B	Method Blank	Dissolved	Water	Filtration	
MB 860-270379/25-C	Method Blank	Dissolved	Water	Filtration	
LCS 860-270379/26-C	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-270379/27-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
LCSD 860-270379/27-C	Lab Control Sample Dup	Dissolved	Water	Filtration	

Prep Batch: 270422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	7470A	
MB 860-270422/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-270422/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-270422/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 270423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-2	EQ1	Total/NA	Water	7470A	
870-40869-3	FB4	Total/NA	Water	7470A	
870-40869-4	SFL MW-3D	Total/NA	Water	7470A	
870-40869-5	SFL MW-5D	Dissolved	Water	7470A	
870-40869-5	SFL MW-5D	Total/NA	Water	7470A	
MB 860-270423/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-270423/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-270423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-40869-5 MS	SFL MW-5D	Dissolved	Water	7470A	
870-40869-5 MSD	SFL MW-5D	Dissolved	Water	7470A	

Metals

Prep Batch: 270464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	3010A	
870-40869-2	EQ1	Total/NA	Water	3010A	
870-40869-3	FB4	Total/NA	Water	3010A	
870-40869-5	SFL MW-5D	Total/NA	Water	3010A	
MB 860-270464/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270464/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270464/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 270741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	7470A	270422
870-40869-2	EQ1	Total/NA	Water	7470A	270423
870-40869-3	FB4	Total/NA	Water	7470A	270423
870-40869-4	SFL MW-3D	Total/NA	Water	7470A	270423
870-40869-5	SFL MW-5D	Dissolved	Water	7470A	270423
870-40869-5	SFL MW-5D	Total/NA	Water	7470A	270423
MB 860-270422/10-A	Method Blank	Total/NA	Water	7470A	270422
MB 860-270423/1-A	Method Blank	Total/NA	Water	7470A	270423
LCS 860-270422/11-A	Lab Control Sample	Total/NA	Water	7470A	270422
LCS 860-270423/2-A	Lab Control Sample	Total/NA	Water	7470A	270423
LCSD 860-270422/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	270422
LCSD 860-270423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	270423
870-40869-5 MS	SFL MW-5D	Dissolved	Water	7470A	270423
870-40869-5 MSD	SFL MW-5D	Dissolved	Water	7470A	270423

Analysis Batch: 270761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	6010D	270464
870-40869-2	EQ1	Total/NA	Water	6010D	270464
870-40869-3	FB4	Total/NA	Water	6010D	270464
870-40869-5	SFL MW-5D	Total/NA	Water	6010D	270464
MB 860-270464/1-A	Method Blank	Total/NA	Water	6010D	270464
LCS 860-270464/2-A	Lab Control Sample	Total/NA	Water	6010D	270464
LCSD 860-270464/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	270464

Prep Batch: 270797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	3010A	
870-40869-2	EQ1	Total/NA	Water	3010A	
870-40869-3	FB4	Total/NA	Water	3010A	
870-40869-4	SFL MW-3D	Total/NA	Water	3010A	
870-40869-5	SFL MW-5D	Total/NA	Water	3010A	
MB 860-270797/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270797/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270797/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 270804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-4	SFL MW-3D	Total/NA	Water	3010A	
MB 860-270804/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270804/2-A	Lab Control Sample	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 270804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-270804/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 270838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-270379/25-B	Method Blank	Dissolved	Water	200.7	270379
LCSD 860-270379/27-B	Lab Control Sample Dup	Dissolved	Water	200.7	270379

Analysis Batch: 271152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-4	SFL MW-3D	Total/NA	Water	6010D	270804
870-40869-4	SFL MW-3D	Total/NA	Water	6010D	270804
MB 860-270379/25-B	Method Blank	Dissolved	Water	6010D	270838
MB 860-270804/1-A	Method Blank	Total/NA	Water	6010D	270804
LCS 860-270804/2-A	Lab Control Sample	Total/NA	Water	6010D	270804
LCSD 860-270379/27-B	Lab Control Sample Dup	Dissolved	Water	6010D	270838
LCSD 860-270804/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	270804

Prep Batch: 271278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-5	SFL MW-5D	Dissolved	Water	3010A	
MB 860-270379/25-C	Method Blank	Dissolved	Water	3010A	270379
LCS 860-270379/26-C	Lab Control Sample	Dissolved	Water	3010A	270379
LCSD 860-270379/27-C	Lab Control Sample Dup	Dissolved	Water	3010A	270379

Analysis Batch: 271280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	6020B	270797
870-40869-2	EQ1	Total/NA	Water	6020B	270797
870-40869-3	FB4	Total/NA	Water	6020B	270797
870-40869-4	SFL MW-3D	Total/NA	Water	6020B	270797
870-40869-5	SFL MW-5D	Total/NA	Water	6020B	270797
MB 860-270797/1-A	Method Blank	Total/NA	Water	6020B	270797
LCS 860-270797/2-A	Lab Control Sample	Total/NA	Water	6020B	270797
LCSD 860-270797/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	270797

Analysis Batch: 271903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-5	SFL MW-5D	Dissolved	Water	6010D	271278
870-40869-5	SFL MW-5D	Dissolved	Water	6010D	271278
MB 860-270379/25-C	Method Blank	Dissolved	Water	6010D	271278
LCS 860-270379/26-C	Lab Control Sample	Dissolved	Water	6010D	271278
LCSD 860-270379/27-C	Lab Control Sample Dup	Dissolved	Water	6010D	271278

General Chemistry

Analysis Batch: 32870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	SM 2540C	
870-40869-2	EQ1	Total/NA	Water	SM 2540C	
870-40869-3	FB4	Total/NA	Water	SM 2540C	
870-40869-4	SFL MW-3D	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 32870 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-5	SFL MW-5D	Total/NA	Water	SM 2540C	
MB 870-32870/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-32870/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-32870/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 32917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	SM 4500 H+ B	
870-40869-2	EQ1	Total/NA	Water	SM 4500 H+ B	
870-40869-3	FB4	Total/NA	Water	SM 4500 H+ B	
870-40869-4	SFL MW-3D	Total/NA	Water	SM 4500 H+ B	
870-40869-5	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	
870-40869-5 DU	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 270753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	SM 2320B	
870-40869-2	EQ1	Total/NA	Water	SM 2320B	
870-40869-3	FB4	Total/NA	Water	SM 2320B	
870-40869-4	SFL MW-3D	Total/NA	Water	SM 2320B	
870-40869-5	SFL MW-5D	Total/NA	Water	SM 2320B	
MB 860-270753/21	Method Blank	Total/NA	Water	SM 2320B	
MB 860-270753/54	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-270753/22	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 860-270753/55	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-270753/23	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 860-270753/56	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 741563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	Fill_Geo-21	
870-40869-2	EQ1	Total/NA	Water	Fill_Geo-21	
870-40869-3	FB4	Total/NA	Water	Fill_Geo-21	
870-40869-4	SFL MW-3D	Total/NA	Water	Fill_Geo-21	
870-40869-5	SFL MW-5D	Total/NA	Water	Fill_Geo-21	
MB 160-741563/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-741563/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 741701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	PrecSep-21	
870-40869-2	EQ1	Total/NA	Water	PrecSep-21	
870-40869-3	FB4	Total/NA	Water	PrecSep-21	
870-40869-4	SFL MW-3D	Total/NA	Water	PrecSep-21	
870-40869-5	SFL MW-5D	Total/NA	Water	PrecSep-21	
MB 160-741701/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-741701/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-741701/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Rad

Prep Batch: 741702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40869-1	AP MW-7D	Total/NA	Water	PrecSep_0	
870-40869-2	EQ1	Total/NA	Water	PrecSep_0	
870-40869-3	FB4	Total/NA	Water	PrecSep_0	
870-40869-4	SFL MW-3D	Total/NA	Water	PrecSep_0	
870-40869-5	SFL MW-5D	Total/NA	Water	PrecSep_0	
MB 160-741702/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-741702/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-741702/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-7D
Lab Sample ID: 870-40869-1
Date Collected: 10/16/25 08:15
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270450	10/24/25 01:43	RJD	EET HOU
Total/NA	Analysis	9056A		10			270450	10/24/25 01:53	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270464	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			270761	10/23/25 18:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:40	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270422	10/23/25 07:36	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 18:42	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 18:18	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 13:13	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32917	10/23/25 13:15	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741563	10/21/25 15:57	DC	EET SL
Total/NA	Analysis	901.1		1			744786	11/11/25 10:15	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.90 mL	1.0 g	741701	10/22/25 08:05	AMS	EET SL
Total/NA	Analysis	903.0		1			745616	11/17/25 23:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.90 mL	1.0 g	741702	10/22/25 08:09	AMS	EET SL
Total/NA	Analysis	904.0		1			745610	11/17/25 12:15	SWS	EET SL

Client Sample ID: EQ1
Lab Sample ID: 870-40869-2
Date Collected: 10/16/25 09:30
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270764	10/24/25 17:14	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270464	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			270761	10/23/25 18:34	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:43	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:15	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 17:48	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	32870	10/22/25 13:13	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32917	10/23/25 13:15	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741563	10/21/25 15:57	DC	EET SL
Total/NA	Analysis	901.1		1			744784	11/11/25 10:15	MLS	EET SL
Total/NA	Prep	PrecSep-21			984.83 mL	1.0 g	741701	10/22/25 08:05	AMS	EET SL
Total/NA	Analysis	903.0		1			745616	11/17/25 23:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			984.83 mL	1.0 g	741702	10/22/25 08:09	AMS	EET SL
Total/NA	Analysis	904.0		1			745610	11/17/25 12:15	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: FB4
Lab Sample ID: 870-40869-3
Date Collected: 10/16/25 10:00
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270764	10/24/25 17:27	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270464	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			270761	10/23/25 18:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:45	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 18:08	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	32870	10/22/25 13:13	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32917	10/23/25 13:15	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741563	10/21/25 15:57	DC	EET SL
Total/NA	Analysis	901.1		1			744808	11/11/25 10:16	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.56 mL	1.0 g	741701	10/22/25 08:05	AMS	EET SL
Total/NA	Analysis	903.0		1			745616	11/17/25 23:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.56 mL	1.0 g	741702	10/22/25 08:09	AMS	EET SL
Total/NA	Analysis	904.0		1			745610	11/17/25 12:16	SWS	EET SL

Client Sample ID: SFL MW-3D
Lab Sample ID: 870-40869-4
Date Collected: 10/16/25 08:35
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270764	10/24/25 17:40	RJD	EET HOU
Total/NA	Analysis	9056A		10			270764	10/24/25 17:46	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270804	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			271152	10/24/25 19:00	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270804	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			271152	10/24/25 19:07	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:48	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:18	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 16:16	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 13:13	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32917	10/23/25 13:15	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741563	10/21/25 15:57	DC	EET SL
Total/NA	Analysis	901.1		1			744781	11/11/25 12:18	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.97 mL	1.0 g	741701	10/22/25 08:05	AMS	EET SL
Total/NA	Analysis	903.0		1			745616	11/17/25 23:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.97 mL	1.0 g	741702	10/22/25 08:09	AMS	EET SL
Total/NA	Analysis	904.0		1			745610	11/17/25 12:16	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SFL MW-5D
Lab Sample ID: 870-40869-5
Date Collected: 10/16/25 10:55
Matrix: Water
Date Received: 10/17/25 10:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270764	10/24/25 18:05	RJD	EET HOU
Total/NA	Analysis	9056A		10			270764	10/24/25 18:12	RJD	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	271278	10/27/25 13:33	MD	EET HOU
Dissolved	Analysis	6010D		1			271903	10/28/25 17:13	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	271278	10/27/25 13:33	MD	EET HOU
Dissolved	Analysis	6010D		50			271903	10/28/25 17:16	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270464	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			270761	10/23/25 18:37	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:51	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Dissolved	Analysis	7470A		1			270741	10/23/25 19:08	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:19	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270753	10/23/25 18:12	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32870	10/22/25 13:13	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32917	10/23/25 13:15	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741563	10/21/25 15:57	DC	EET SL
Total/NA	Analysis	901.1		1			744782	11/11/25 12:19	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.02 mL	1.0 g	741701	10/22/25 08:05	AMS	EET SL
Total/NA	Analysis	903.0		1			745616	11/17/25 23:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.02 mL	1.0 g	741702	10/22/25 08:09	AMS	EET SL
Total/NA	Analysis	904.0		1			745610	11/17/25 12:16	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Job ID: 870-40869-1
Project/Site: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-40869-1	AP MW-7D	Water	10/16/25 08:15	10/17/25 10:23	Texas
870-40869-2	EQ1	Water	10/16/25 09:30	10/17/25 10:23	Texas
870-40869-3	FB4	Water	10/16/25 10:00	10/17/25 10:23	Texas
870-40869-4	SFL MW-3D	Water	10/16/25 08:35	10/17/25 10:23	Texas
870-40869-5	SFL MW-5D	Water	10/16/25 10:55	10/17/25 10:23	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/2/2025

Client Information	Sampler: WRC & PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14358-4772.1
Client Contact: Matt Barickman	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 1 of 4
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Mattison.Barickman@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Local Method	9056A_ORGFM_28D - (MOD) Local Method	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	N	N	D	D	N	N		
AP MW-7D	10/16/25	0815	G	Water			X	X	X	X	X	X		X	X	7	
EQ 1	10/16/25	0930	G	Water			X	X	X	X	X	X		X	X	7	
FB 4	10/16/25	1000	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-3D	10/16/25	0835	G	Water			X	X	X	X	X	X		X	X	7	
SFL MW-5D	10/16/25	1055	G	Water	Y		X	X	X	X	X	X	X	X	X	8	
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													

870-40869 Chain of Custody

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: 9850 5180 7958, 7969

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
W. R. Culler	10/16/25 1500		FedEx		
FedEx				10/17/25 10:23	

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.8/1.6 1.4/1.2 TM042 cf -0.2

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9333.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-40869-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 10/24/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP MW-7D (870-40869-1)	10/16/25	08:15 Central	G	Water			X	X	X	2	
EQ1 (870-40869-2)	10/16/25	09:30 Central	G	Water			X	X	X	2	
FB4 (870-40869-3)	10/16/25	10:00 Central	G	Water			X	X	X	2	
SFL MW-3D (870-40869-4)	10/16/25	08:35 Central	G	Water			X	X	X	2	
SFL MW-5D (870-40869-5)	10/16/25	10:55 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 10/20/25-1700	Company	Received by: OCT 20 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1030 10/21/25	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

12/2/2025

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

12/2/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9335 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-40869-1
Address: 4145 Greenbriar Dr	Due Date Requested: 10/23/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
AP MW-7D (870-40869-1)	10/16/25	08:15 Central	G	Water			X	X	X	X	X			3	
EQ1 (870-40869-2)	10/16/25	09:30 Central	G	Water			X	X	X	X	X			3	
FB4 (870-40869-3)	10/16/25	10:00 Central	G	Water			X	X	X	X	X			3	
SFL MW-3D (870-40869-4)	10/16/25	08:35 Central	G	Water			X	X	X	X	X			3	
SFL MW-5D (870-40869-5)	10/16/25	10:55 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 10/20/25-1700	Company	Received by: OCT 20 2025	Date/Time: OCT 21 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: Time: 7:00	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 1.9

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40869-1
SDG Number:

Login Number: 40869
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40869-1
SDG Number:

Login Number: 40869
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 10/21/25 07:45 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40869-1
SDG Number:

Login Number: 40869
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 10/21/25 02:08 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 12/10/2025 5:45:59 PM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station

JOB NUMBER

870-40769-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

myEOL

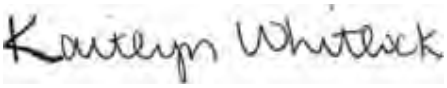
Eurofins Dallas

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
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
870-40769-1

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 10/15/2025 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4°C, 1.8°C and 2.2°C.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-269887 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9056A_ORGFM_28D: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-269887 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

Metals
Method 6010D: The method blank for preparation batch 860-269599 and analytical batch 860-269857 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The following samples were diluted due to the nature of the sample matrix: SSP MW-6S (870-40769-1), SSP MW-5S (870-40769-2), SSP MW-3D (870-40769-4), SSP MW-6D (870-40769-5) and SSP MW-2D (870-40769-6). Elevated reporting limits (RLs) are provided.

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-270146 and analytical batch 860-270280 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recoveries were within acceptance limits.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SSP MW-6S (870-40769-1), SSP MW-5S (870-40769-2), SSP MW-5D (870-40769-3), SSP MW-3D (870-40769-4), SSP MW-6D (870-40769-5), SSP MW-2D (870-40769-6), SSP MW-4S (870-40769-7), AP PZ-4S (870-40769-8) and FD-1 (870-40769-9).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 741118
The replicate precision for Ra-226 does not meet QC criteria.
Both the sample and duplicate activity are less than the requested limit (RL). The data have been reported with this narrative.
(870-40769-A-1-C DU)

Method 901.1_Ra: Gamma Batch 741118

Job ID: 870-40769-1 (Continued) Eurofins Dallas

The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SSP MW-6S (870-40769-1), SSP MW-5S (870-40769-2), SSP MW-5D (870-40769-3), SSP MW-6D (870-40769-5), SSP MW-4S (870-40769-7) and FD-1 (870-40769-9)

Method 901.1_Ra: Gamma Batch 741118
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SSP MW-6S (870-40769-1), SSP MW-5S (870-40769-2), SSP MW-5D (870-40769-3), SSP MW-3D (870-40769-4), SSP MW-6D (870-40769-5), SSP MW-2D (870-40769-6), SSP MW-4S (870-40769-7), AP PZ-4S (870-40769-8), FD-1 (870-40769-9) and (870-40769-A-1-C DU)

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

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

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-6S
Lab Sample ID: 870-40769-1
Date Collected: 10/13/25 08:45
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1580		5.00	2.50	mg/L			10/21/25 17:06	10
Fluoride	0.571	F1	0.500	0.100	mg/L			10/21/25 16:57	1
Sulfate	2850		5.00	2.00	mg/L			10/21/25 17:06	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.360		0.0500	0.0162	mg/L		10/20/25 09:00	10/20/25 19:09	1
Calcium	695		10.0	5.08	mg/L		10/20/25 09:00	10/20/25 19:17	50
Magnesium	170		0.200	0.0445	mg/L		10/20/25 09:00	10/20/25 19:09	1
Potassium	43.4		0.500	0.106	mg/L		10/20/25 09:00	10/20/25 19:09	1
Sodium	1060		25.0	7.59	mg/L		10/20/25 09:00	10/20/25 19:17	50
Lithium	0.360		0.0400	0.0174	mg/L		10/20/25 09:00	10/20/25 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.592		0.100	0.0275	mg/L		10/17/25 12:54	10/21/25 13:51	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		10/17/25 12:54	10/21/25 13:51	5
Arsenic	<0.00345	U	0.0200	0.00345	mg/L		10/17/25 12:54	10/21/25 13:51	5
Barium	0.0181	J	0.0200	0.00671	mg/L		10/17/25 12:54	10/21/25 13:51	5
Beryllium	0.0689		0.0100	0.00136	mg/L		10/17/25 12:54	10/21/25 13:51	5
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		10/17/25 12:54	10/21/25 13:51	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		10/17/25 12:54	10/21/25 13:51	5
Cobalt	0.0143		0.0100	0.00178	mg/L		10/17/25 12:54	10/21/25 13:51	5
Iron	8.45		0.100	0.0223	mg/L		10/17/25 12:54	10/21/25 13:51	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/17/25 12:54	10/20/25 19:11	1
Molybdenum	<0.00128	U	0.0100	0.00128	mg/L		10/17/25 12:54	10/21/25 13:51	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		10/17/25 12:54	10/21/25 13:51	5
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/17/25 12:54	10/20/25 19:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U F1	0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	177		4.00	4.00	mg/L			10/21/25 12:53	1
Total Dissolved Solids (SM 2540C)	6430		20.0	20.0	mg/L			10/16/25 11:36	1
pH (SM 4500 H+ B)	5.1	HF			SU			10/16/25 13:02	1
Temperature (SM 4500 H+ B)	20.6	HF			Celsius			10/16/25 13:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	48.7		19.8	20.4	50.0	23.1	pCi/L	10/17/25 09:12	11/07/25 02:38	1
Radium-228	-9.62	U G	28.6	28.7	50.0	52.4	pCi/L	10/17/25 09:12	11/07/25 02:38	1
Combined Radium 226 + 228	39.0	U	34.8	35.2		52.4	pCi/L	10/17/25 09:12	11/07/25 02:38	1

Client Sample ID: SSP MW-6S
Lab Sample ID: 870-40769-1
Date Collected: 10/13/25 08:45
Matrix: Water
Date Received: 10/15/25 11:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.673		0.309	0.315	1.00	0.360	pCi/L	10/17/25 07:46	11/12/25 16:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*10/17/25 07:46*	*11/12/25 16:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.51		0.482	0.502	1.00	0.539	pCi/L	10/17/25 07:49	11/12/25 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:56*	*1*
Y Carrier	*80.4*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:56*	*1*

Client Sample ID: SSP MW-5S
Lab Sample ID: 870-40769-2
Date Collected: 10/13/25 11:05
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2040		5.00	2.50	mg/L			10/21/25 21:39	10
Fluoride	0.106	J	0.500	0.100	mg/L			10/21/25 21:32	1
Sulfate	966		5.00	2.00	mg/L			10/21/25 21:39	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.219		0.0500	0.0162	mg/L		10/20/25 09:00	10/20/25 19:10	1
Calcium	470		10.0	5.08	mg/L		10/20/25 09:00	10/20/25 19:18	50
Magnesium	86.0		0.200	0.0445	mg/L		10/20/25 09:00	10/20/25 19:10	1
Potassium	28.9		0.500	0.106	mg/L		10/20/25 09:00	10/20/25 19:10	1
Sodium	1010		25.0	7.59	mg/L		10/20/25 09:00	10/20/25 19:18	50
Lithium	0.246		0.0400	0.0174	mg/L		10/20/25 09:00	10/20/25 19:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0750	J	0.100	0.0275	mg/L		10/17/25 12:54	10/21/25 13:54	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		10/17/25 12:54	10/21/25 13:54	5
Arsenic	0.00395	J	0.0200	0.00345	mg/L		10/17/25 12:54	10/21/25 13:54	5
Barium	0.0285		0.0200	0.00671	mg/L		10/17/25 12:54	10/21/25 13:54	5
Beryllium	0.00253	J	0.0100	0.00136	mg/L		10/17/25 12:54	10/21/25 13:54	5
Cadmium	0.00195	J	0.0100	0.00120	mg/L		10/17/25 12:54	10/21/25 13:54	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		10/17/25 12:54	10/21/25 13:54	5
Cobalt	0.0358		0.0100	0.00178	mg/L		10/17/25 12:54	10/21/25 13:54	5
Iron	1.08		0.100	0.0223	mg/L		10/17/25 12:54	10/21/25 13:54	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/17/25 12:54	10/20/25 19:14	1
Molybdenum	<0.00128	U	0.0100	0.00128	mg/L		10/17/25 12:54	10/21/25 13:54	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		10/17/25 12:54	10/21/25 13:54	5
Thallium	0.00109	J	0.00200	0.000415	mg/L		10/17/25 12:54	10/20/25 19:14	1

Client Sample ID: SSP MW-5S
Lab Sample ID: 870-40769-2
Date Collected: 10/13/25 11:05
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	38.0		4.00	4.00	mg/L			10/21/25 13:00	1
Total Dissolved Solids (SM 2540C)	4870		20.0	20.0	mg/L			10/16/25 11:36	1
pH (SM 4500 H+ B)	5.2	HF			SU			10/16/25 13:02	1
Temperature (SM 4500 H+ B)	20.9	HF			Celsius			10/16/25 13:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.92	U G	34.8	34.8	50.0	69.3	pCi/L	10/17/25 09:12	11/07/25 07:35	1
Radium-228	17.1	U	29.8	29.8	50.0	43.1	pCi/L	10/17/25 09:12	11/07/25 07:35	1
Combined Radium 226 + 228	23.1	U	45.8	45.8		69.3	pCi/L	10/17/25 09:12	11/07/25 07:35	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.798		0.320	0.328	1.00	0.349	pCi/L	10/17/25 07:46	11/12/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*10/17/25 07:46*	*11/12/25 19:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.73		0.591	0.612	1.00	0.736	pCi/L	10/17/25 07:49	11/12/25 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:56*	*1*
Y Carrier	*74.8*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:56*	*1*

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-40769-3
Date Collected: 10/13/25 12:35
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1360		5.00	2.50	mg/L			10/21/25 21:52	10
Fluoride	0.147	J	0.500	0.100	mg/L			10/21/25 21:45	1
Sulfate	226		0.500	0.200	mg/L			10/21/25 21:45	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.535		0.0500	0.0162	mg/L		10/20/25 09:30	10/20/25 18:37	1
Calcium	219		0.200	0.102	mg/L		10/20/25 09:30	10/20/25 18:37	1
Magnesium	34.6		0.200	0.0445	mg/L		10/20/25 09:30	10/20/25 18:37	1

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-40769-3
Date Collected: 10/13/25 12:35
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**28.0**		0.500	0.106	mg/L		10/20/25 09:30	10/20/25 18:37	1
Sodium	**770**	**B**	2.50	0.759	mg/L		10/20/25 09:30	10/20/25 18:39	5
Lithium	**0.282**		0.0400	0.0174	mg/L		10/20/25 09:30	10/20/25 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0650**		0.0200	0.00549	mg/L		10/19/25 15:00	10/22/25 00:49	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/19/25 15:00	10/22/25 00:49	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/19/25 15:00	10/22/25 00:49	1
Barium	**0.0470**		0.00400	0.00134	mg/L		10/19/25 15:00	10/22/25 00:49	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/19/25 15:00	10/22/25 00:49	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/19/25 15:00	10/22/25 00:49	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/19/25 15:00	10/22/25 00:49	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/19/25 15:00	10/22/25 00:49	1
Iron	**0.489**		0.0200	0.00445	mg/L		10/19/25 15:00	10/22/25 00:49	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/19/25 15:00	10/22/25 00:49	1
Molybdenum	**0.000323**	**J**	0.00200	0.000255	mg/L		10/19/25 15:00	10/22/25 00:49	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/19/25 15:00	10/22/25 00:49	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/19/25 15:00	10/22/25 00:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**300**		4.00	4.00	mg/L			10/21/25 13:15	1
Total Dissolved Solids (SM 2540C)	**2570**		20.0	20.0	mg/L			10/16/25 11:36	1
pH (SM 4500 H+ B)	**6.8**	**HF**			SU			10/16/25 13:02	1
Temperature (SM 4500 H+ B)	**21.1**	**HF**			Celsius			10/16/25 13:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**63.0**		27.9	28.6	50.0	29.2	pCi/L	10/17/25 09:12	11/07/25 07:35	1
Radium-228	4.09	U G	16.8	16.8	50.0	68.7	pCi/L	10/17/25 09:12	11/07/25 07:35	1
Combined Radium 226 + 228	67.0	U	32.6	33.2		68.7	pCi/L	10/17/25 09:12	11/07/25 07:35	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.908**		0.347	0.356	1.00	0.361	pCi/L	10/17/25 07:46	11/12/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*10/17/25 07:46*	*11/12/25 19:41*	*1*

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-40769-3
Date Collected: 10/13/25 12:35
Matrix: Water
Date Received: 10/15/25 11:00

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.68		0.599	0.619	1.00	0.773	pCi/L	10/17/25 07:49	11/12/25 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:50*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:50*	*1*

Client Sample ID: SSP MW-3D
Lab Sample ID: 870-40769-4
Date Collected: 10/13/25 16:15
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		5.00	2.50	mg/L			10/21/25 22:04	10
Fluoride	0.216	J	0.500	0.100	mg/L			10/21/25 21:58	1
Sulfate	2490		5.00	2.00	mg/L			10/21/25 22:04	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.54		0.0500	0.0162	mg/L		10/20/25 09:00	10/20/25 19:12	1
Calcium	765		10.0	5.08	mg/L		10/20/25 09:00	10/20/25 19:20	50
Magnesium	140		0.200	0.0445	mg/L		10/20/25 09:00	10/20/25 19:12	1
Potassium	57.4		0.500	0.106	mg/L		10/20/25 09:00	10/20/25 19:12	1
Sodium	980		25.0	7.59	mg/L		10/20/25 09:00	10/20/25 19:20	50
Lithium	0.462		0.0400	0.0174	mg/L		10/20/25 09:00	10/20/25 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.877		0.100	0.0275	mg/L		10/17/25 12:54	10/21/25 13:57	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		10/17/25 12:54	10/21/25 13:57	5
Arsenic	0.00894	J	0.0200	0.00345	mg/L		10/17/25 12:54	10/21/25 13:57	5
Barium	0.0271		0.0200	0.00671	mg/L		10/17/25 12:54	10/21/25 13:57	5
Beryllium	0.00943	J	0.0100	0.00136	mg/L		10/17/25 12:54	10/21/25 13:57	5
Cadmium	0.00374	J	0.0100	0.00120	mg/L		10/17/25 12:54	10/21/25 13:57	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		10/17/25 12:54	10/21/25 13:57	5
Cobalt	0.186		0.0100	0.00178	mg/L		10/17/25 12:54	10/21/25 13:57	5
Iron	3.48		0.100	0.0223	mg/L		10/17/25 12:54	10/21/25 13:57	5
Lead	0.000511	J	0.00200	0.000367	mg/L		10/17/25 12:54	10/20/25 19:17	1
Molybdenum	<0.00128	U	0.0100	0.00128	mg/L		10/17/25 12:54	10/21/25 13:57	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		10/17/25 12:54	10/21/25 13:57	5
Thallium	0.00128	J	0.00200	0.000415	mg/L		10/17/25 12:54	10/20/25 19:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	13.3		4.00	4.00	mg/L			10/21/25 13:22	1
Total Dissolved Solids (SM 2540C)	5730		20.0	20.0	mg/L			10/16/25 11:36	1

Client Sample ID: SSP MW-3D
Lab Sample ID: 870-40769-4
Date Collected: 10/13/25 16:15
Matrix: Water
Date Received: 10/15/25 11:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	5.0	HF			SU			10/16/25 13:02	1
Temperature (SM 4500 H+ B)	21.1	HF			Celsius			10/16/25 13:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	131		28.8	31.5	50.0	27.2	pCi/L	10/17/25 09:12	11/07/25 08:53	1
Radium-228	15.4	U	28.0	28.0	50.0	49.9	pCi/L	10/17/25 09:12	11/07/25 08:53	1
Combined Radium 226 + 228	146		40.2	42.1		49.9	pCi/L	10/17/25 09:12	11/07/25 08:53	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.47		0.422	0.442	1.00	0.404	pCi/L	10/17/25 07:46	11/12/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*30 - 110*	*10/17/25 07:46*	*11/12/25 19:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.20		0.641	0.705	1.00	0.570	pCi/L	10/17/25 07:49	11/12/25 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:50*	*1*
Y Carrier	*79.6*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:50*	*1*

Client Sample ID: SSP MW-6D
Lab Sample ID: 870-40769-5
Date Collected: 10/13/25 08:45
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		5.00	2.50	mg/L			10/21/25 22:17	10
Fluoride	0.115	J	0.500	0.100	mg/L			10/21/25 22:11	1
Sulfate	1170		5.00	2.00	mg/L			10/21/25 22:17	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.523		0.0500	0.0162	mg/L		10/20/25 09:00	10/20/25 19:14	1
Calcium	455		10.0	5.08	mg/L		10/20/25 09:00	10/20/25 19:22	50
Magnesium	73.2		0.200	0.0445	mg/L		10/20/25 09:00	10/20/25 19:14	1
Potassium	44.9		0.500	0.106	mg/L		10/20/25 09:00	10/20/25 19:14	1
Sodium	965		25.0	7.59	mg/L		10/20/25 09:00	10/20/25 19:22	50
Lithium	0.248		0.0400	0.0174	mg/L		10/20/25 09:00	10/20/25 19:14	1

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-6D
Lab Sample ID: 870-40769-5
Date Collected: 10/13/25 08:45
Matrix: Water
Date Received: 10/15/25 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0275	U	0.100	0.0275	mg/L		10/17/25 12:54	10/21/25 14:00	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		10/17/25 12:54	10/21/25 14:00	5
Arsenic	<0.00345	U	0.0200	0.00345	mg/L		10/17/25 12:54	10/21/25 14:00	5
Barium	**0.0383**		0.0200	0.00671	mg/L		10/17/25 12:54	10/21/25 14:00	5
Beryllium	<0.00136	U	0.0100	0.00136	mg/L		10/17/25 12:54	10/21/25 14:00	5
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		10/17/25 12:54	10/21/25 14:00	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		10/17/25 12:54	10/21/25 14:00	5
Cobalt	<0.00178	U	0.0100	0.00178	mg/L		10/17/25 12:54	10/21/25 14:00	5
Iron	**1.62**		0.100	0.0223	mg/L		10/17/25 12:54	10/21/25 14:00	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/17/25 12:54	10/20/25 19:19	1
Molybdenum	<0.00128	U	0.0100	0.00128	mg/L		10/17/25 12:54	10/21/25 14:00	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		10/17/25 12:54	10/21/25 14:00	5
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/17/25 12:54	10/20/25 19:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**255**		4.00	4.00	mg/L			10/21/25 13:27	1
Total Dissolved Solids (SM 2540C)	**4050**		20.0	20.0	mg/L			10/16/25 11:36	1
pH (SM 4500 H+ B)	**6.4**	**HF**			SU			10/16/25 13:02	1
Temperature (SM 4500 H+ B)	**21.0**	**HF**			Celsius			10/16/25 13:02	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	22.0	U	20.2	20.3	50.0	26.4	pCi/L	10/17/25 09:12	11/07/25 08:51	1
Radium-228	-16.2	U G	22.2	22.2	50.0	58.4	pCi/L	10/17/25 09:12	11/07/25 08:51	1
Combined Radium 226 + 228	5.82	U	30.0	30.1		58.4	pCi/L	10/17/25 09:12	11/07/25 08:51	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.807**		0.351	0.358	1.00	0.414	pCi/L	10/17/25 07:46	11/12/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.7*		*30 - 110*	*10/17/25 07:46*	*11/12/25 19:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.02**		0.707	0.759	1.00	0.713	pCi/L	10/17/25 07:49	11/12/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.7*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:51*	*1*

Client Sample ID: SSP MW-6D
Lab Sample ID: 870-40769-5
Date Collected: 10/13/25 08:45
Matrix: Water
Date Received: 10/15/25 11:00

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	74.0		30 - 110	10/17/25 07:49	11/12/25 11:51	1

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-40769-6
Date Collected: 10/13/25 11:45
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2630**		5.00	2.50	mg/L			10/21/25 22:30	10
Fluoride	<0.100	U	0.500	0.100	mg/L			10/21/25 22:23	1
Sulfate	**2210**		5.00	2.00	mg/L			10/21/25 22:30	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.493**		0.0500	0.0162	mg/L		10/20/25 09:00	10/20/25 19:15	1
Calcium	**875**		10.0	5.08	mg/L		10/20/25 09:00	10/20/25 19:23	50
Magnesium	**138**		0.200	0.0445	mg/L		10/20/25 09:00	10/20/25 19:15	1
Potassium	**58.5**		0.500	0.106	mg/L		10/20/25 09:00	10/20/25 19:15	1
Sodium	**1180**		25.0	7.59	mg/L		10/20/25 09:00	10/20/25 19:23	50
Lithium	**0.521**		0.0400	0.0174	mg/L		10/20/25 09:00	10/20/25 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0713**	**J**	0.100	0.0275	mg/L		10/17/25 12:54	10/21/25 14:03	5
Antimony	<0.00375	U	0.0100	0.00375	mg/L		10/17/25 12:54	10/21/25 14:03	5
Arsenic	<0.00345	U	0.0200	0.00345	mg/L		10/17/25 12:54	10/21/25 14:03	5
Barium	**0.0235**		0.0200	0.00671	mg/L		10/17/25 12:54	10/21/25 14:03	5
Beryllium	<0.00136	U	0.0100	0.00136	mg/L		10/17/25 12:54	10/21/25 14:03	5
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		10/17/25 12:54	10/21/25 14:03	5
Chromium	<0.00280	U	0.0200	0.00280	mg/L		10/17/25 12:54	10/21/25 14:03	5
Cobalt	<0.00178	U	0.0100	0.00178	mg/L		10/17/25 12:54	10/21/25 14:03	5
Iron	**1.24**		0.100	0.0223	mg/L		10/17/25 12:54	10/21/25 14:03	5
Lead	<0.00184	U	0.0100	0.00184	mg/L		10/17/25 12:54	10/21/25 14:03	5
Molybdenum	<0.00128	U	0.0100	0.00128	mg/L		10/17/25 12:54	10/21/25 14:03	5
Selenium	<0.00295	U	0.0100	0.00295	mg/L		10/17/25 12:54	10/21/25 14:03	5
Thallium	<0.00208	U	0.0100	0.00208	mg/L		10/17/25 12:54	10/21/25 14:03	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/17/25 08:21	10/17/25 20:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**70.4**		4.00	4.00	mg/L			10/21/25 13:34	1
Total Dissolved Solids (SM 2540C)	**7400**		20.0	20.0	mg/L			10/16/25 11:36	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			10/16/25 13:02	1
Temperature (SM 4500 H+ B)	**21.0**	**HF**			Celsius			10/16/25 13:02	1

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-40769-6
Date Collected: 10/13/25 11:45
Matrix: Water
Date Received: 10/15/25 11:00

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	23.9	U	20.8	21.0	50.0	24.2	pCi/L	10/17/25 09:12	11/07/25 10:10	1
Radium-228	11.8	U	19.7	19.8	50.0	34.8	pCi/L	10/17/25 09:12	11/07/25 10:10	1
Combined Radium 226 + 228	**35.6**		28.6	28.9		34.8	pCi/L	10/17/25 09:12	11/07/25 10:10	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.606**		0.324	0.329	1.00	0.426	pCi/L	10/17/25 07:46	11/12/25 19:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.7*		*30 - 110*	*10/17/25 07:46*	*11/12/25 19:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.61**		0.553	0.572	1.00	0.671	pCi/L	10/17/25 07:49	11/12/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.7*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:51*	*1*
Y Carrier	*78.9*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:51*	*1*

Client Sample ID: SSP MW-4S
Lab Sample ID: 870-40769-7
Date Collected: 10/13/25 13:50
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**478**		0.500	0.250	mg/L			10/21/25 22:49	1
Fluoride	**2.37**		0.500	0.100	mg/L			10/21/25 22:49	1
Sulfate	**3050**		5.00	2.00	mg/L			10/21/25 22:55	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**10.5**		0.0500	0.0162	mg/L		10/20/25 09:00	10/20/25 19:28	1
Calcium	**560**		10.0	5.08	mg/L		10/20/25 09:00	10/20/25 19:33	50
Magnesium	**224**		0.200	0.0445	mg/L		10/20/25 09:00	10/20/25 19:28	1
Potassium	**34.0**		0.500	0.106	mg/L		10/20/25 09:00	10/20/25 19:28	1
Sodium	**438**		25.0	7.59	mg/L		10/20/25 09:00	10/20/25 19:33	50
Lithium	**0.224**		0.0400	0.0174	mg/L		10/20/25 09:00	10/20/25 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26.0**		0.100	0.0275	mg/L		10/19/25 11:00	10/20/25 17:06	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/19/25 11:00	10/20/25 17:02	1
Arsenic	**0.0110**		0.00400	0.000690	mg/L		10/19/25 11:00	10/20/25 17:02	1
Barium	**0.0308**		0.00400	0.00134	mg/L		10/19/25 11:00	10/20/25 17:02	1
Beryllium	**0.0272**		0.00200	0.000271	mg/L		10/19/25 11:00	10/20/25 17:02	1

Client Sample ID: SSP MW-4S
Lab Sample ID: 870-40769-7

Date Collected: 10/13/25 13:50
Matrix: Water
Date Received: 10/15/25 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.00228**		0.00200	0.000240	mg/L		10/19/25 11:00	10/20/25 17:02	1
Chromium	**0.00101**	**J**	0.00400	0.000560	mg/L		10/19/25 11:00	10/20/25 17:02	1
Cobalt	**0.113**		0.00200	0.000355	mg/L		10/19/25 11:00	10/20/25 17:02	1
Iron	**44.1**		0.100	0.0223	mg/L		10/19/25 11:00	10/20/25 17:06	5
Lead	**0.0173**		0.00200	0.000367	mg/L		10/19/25 11:00	10/20/25 17:02	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/19/25 11:00	10/20/25 17:02	1
Selenium	**0.00160**	**J**	0.00200	0.000590	mg/L		10/19/25 11:00	10/20/25 17:02	1
Thallium	**0.00365**		0.00200	0.000415	mg/L		10/19/25 11:00	10/20/25 17:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000213**		0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/21/25 13:39	1
Total Dissolved Solids (SM 2540C)	**4410**		20.0	20.0	mg/L			10/16/25 11:36	1
pH (SM 4500 H+ B)	**3.4**	**HF**			SU			10/16/25 13:04	1
Temperature (SM 4500 H+ B)	**20.7**	**HF**			Celsius			10/16/25 13:04	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	44.5	U G	26.8	27.2	50.0	94.7	pCi/L	10/17/25 09:12	11/07/25 10:11	1
Radium-228	21.2	U G	36.4	36.5	50.0	57.2	pCi/L	10/17/25 09:12	11/07/25 10:11	1
Combined Radium 226 + 228	65.7	U	45.2	45.5		94.7	pCi/L	10/17/25 09:12	11/07/25 10:11	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**6.02**		0.859	1.02	1.00	0.418	pCi/L	10/17/25 07:46	11/12/25 19:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.4*		*30 - 110*	*10/17/25 07:46*	*11/12/25 19:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**8.39**		1.09	1.34	1.00	0.761	pCi/L	10/17/25 07:49	11/12/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.4*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:51*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:51*	*1*

Client Sample ID: AP PZ-4S
Lab Sample ID: 870-40769-8

Date Collected: 10/13/25 16:10
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3060		5.00	2.50	mg/L			10/21/25 23:08	10
Fluoride	0.108	J	0.500	0.100	mg/L			10/21/25 23:02	1
Sulfate	1290		5.00	2.00	mg/L			10/21/25 23:08	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.05		0.0500	0.0162	mg/L		10/20/25 09:30	10/20/25 18:45	1
Calcium	755		0.200	0.102	mg/L		10/20/25 09:30	10/20/25 18:45	1
Magnesium	152		0.200	0.0445	mg/L		10/20/25 09:30	10/20/25 18:45	1
Potassium	98.1		0.500	0.106	mg/L		10/20/25 09:30	10/20/25 18:45	1
Sodium	1420	B	25.0	7.59	mg/L		10/20/25 09:30	10/20/25 18:52	50
Lithium	1.02		0.0400	0.0174	mg/L		10/20/25 09:30	10/20/25 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/19/25 15:00	10/22/25 00:52	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/19/25 15:00	10/22/25 00:52	1
Arsenic	0.00560		0.00400	0.000690	mg/L		10/19/25 15:00	10/22/25 00:52	1
Barium	0.0656		0.00400	0.00134	mg/L		10/19/25 15:00	10/22/25 00:52	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/19/25 15:00	10/22/25 00:52	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/19/25 15:00	10/22/25 00:52	1
Chromium	0.000941	J	0.00400	0.000560	mg/L		10/19/25 15:00	10/22/25 00:52	1
Cobalt	0.00693		0.00200	0.000355	mg/L		10/19/25 15:00	10/22/25 00:52	1
Iron	0.514		0.0200	0.00445	mg/L		10/19/25 15:00	10/22/25 00:52	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/19/25 15:00	10/22/25 00:52	1
Molybdenum	0.00212		0.00200	0.000255	mg/L		10/19/25 15:00	10/22/25 00:52	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/19/25 15:00	10/22/25 00:52	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/19/25 15:00	10/22/25 00:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	184		4.00	4.00	mg/L			10/21/25 13:42	1
Total Dissolved Solids (SM 2540C)	5990		20.0	20.0	mg/L			10/16/25 11:36	1
pH (SM 4500 H+ B)	6.4	HF			SU			10/16/25 13:04	1
Temperature (SM 4500 H+ B)	20.4	HF			Celsius			10/16/25 13:04	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	27.3		18.6	18.7	50.0	27.1	pCi/L	10/17/25 09:12	11/07/25 10:11	1
Radium-228	19.6	U	21.3	21.4	50.0	34.9	pCi/L	10/17/25 09:12	11/07/25 10:11	1
Combined Radium 226 + 228	46.9		28.3	28.4		34.9	pCi/L	10/17/25 09:12	11/07/25 10:11	1

Client Sample ID: AP PZ-4S
Lab Sample ID: 870-40769-8
Date Collected: 10/13/25 16:10
Matrix: Water
Date Received: 10/15/25 11:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.34		0.523	0.564	1.00	0.377	pCi/L	10/17/25 07:46	11/12/25 19:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.0*		*30 - 110*	*10/17/25 07:46*	*11/12/25 19:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.11		0.701	0.757	1.00	0.649	pCi/L	10/17/25 07:49	11/12/25 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.0*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:49*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:49*	*1*

Client Sample ID: FD-1
Lab Sample ID: 870-40769-9
Date Collected: 10/13/25 08:50
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		5.00	2.50	mg/L			10/21/25 23:21	10
Fluoride	0.111	J	0.500	0.100	mg/L			10/21/25 23:14	1
Sulfate	1220		5.00	2.00	mg/L			10/21/25 23:21	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.490		0.0500	0.0162	mg/L		10/20/25 09:30	10/20/25 18:46	1
Calcium	373		0.200	0.102	mg/L		10/20/25 09:30	10/20/25 18:46	1
Magnesium	66.9		0.200	0.0445	mg/L		10/20/25 09:30	10/20/25 18:46	1
Potassium	43.3		0.500	0.106	mg/L		10/20/25 09:30	10/20/25 18:46	1
Sodium	1040	B	25.0	7.59	mg/L		10/20/25 09:30	10/20/25 18:53	50
Lithium	0.285		0.0400	0.0174	mg/L		10/20/25 09:30	10/20/25 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0104	J	0.0200	0.00549	mg/L		10/19/25 15:00	10/22/25 00:55	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/19/25 15:00	10/22/25 00:55	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/19/25 15:00	10/22/25 00:55	1
Barium	0.0382		0.00400	0.00134	mg/L		10/19/25 15:00	10/22/25 00:55	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/19/25 15:00	10/22/25 00:55	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/19/25 15:00	10/22/25 00:55	1
Chromium	0.000618	J	0.00400	0.000560	mg/L		10/19/25 15:00	10/22/25 00:55	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/19/25 15:00	10/22/25 00:55	1
Iron	1.58		0.0200	0.00445	mg/L		10/19/25 15:00	10/22/25 00:55	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/19/25 15:00	10/22/25 00:55	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/19/25 15:00	10/22/25 00:55	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/19/25 15:00	10/22/25 00:55	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/19/25 15:00	10/22/25 00:55	1

Client Sample ID: FD-1
Lab Sample ID: 870-40769-9
Date Collected: 10/13/25 08:50
Matrix: Water
Date Received: 10/15/25 11:00

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	255		4.00	4.00	mg/L			10/21/25 13:48	1
Total Dissolved Solids (SM 2540C)	3680		20.0	20.0	mg/L			10/16/25 11:36	1
pH (SM 4500 H+ B)	6.4	HF			SU			10/16/25 13:04	1
Temperature (SM 4500 H+ B)	20.7	HF			Celsius			10/16/25 13:04	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	14.0	U	18.4	18.4	50.0	28.3	pCi/L	10/17/25 09:12	11/07/25 10:12	1
Radium-228	-16.2	U G	31.4	31.4	50.0	59.6	pCi/L	10/17/25 09:12	11/07/25 10:12	1
Combined Radium 226 + 228	-2.15	U	36.4	36.4		59.6	pCi/L	10/17/25 09:12	11/07/25 10:12	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.54		0.391	0.414	1.00	0.294	pCi/L	10/17/25 07:46	11/12/25 19:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/17/25 07:46*	*11/12/25 19:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.80		0.587	0.641	1.00	0.544	pCi/L	10/17/25 07:49	11/12/25 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:49*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:49*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
870-40769-1	SSP MW-6S	80.3
870-40769-2	SSP MW-5S	81.7
870-40769-3	SSP MW-5D	74.9
870-40769-4	SSP MW-3D	82.8
870-40769-5	SSP MW-6D	75.7
870-40769-6	SSP MW-2D	75.7
870-40769-7	SSP MW-4S	87.4
870-40769-8	AP PZ-4S	73.0
870-40769-9	FD-1	86.3
LCS 160-741100/2-A	Lab Control Sample	85.2
MB 160-741100/1-A	Method Blank	74.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
870-40769-1	SSP MW-6S	80.3	80.4
870-40769-2	SSP MW-5S	81.7	74.8
870-40769-3	SSP MW-5D	74.9	80.7
870-40769-4	SSP MW-3D	82.8	79.6
870-40769-5	SSP MW-6D	75.7	74.0
870-40769-6	SSP MW-2D	75.7	78.9
870-40769-7	SSP MW-4S	87.4	81.5
870-40769-8	AP PZ-4S	73.0	74.0
870-40769-9	FD-1	86.3	81.5
LCS 160-741101/2-A	Lab Control Sample	85.2	78.1
MB 160-741101/1-A	Method Blank	74.3	74.0

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-269869/3
Matrix: Water
Analysis Batch: 269869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/21/25 10:01	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/21/25 10:01	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/21/25 10:01	1

Lab Sample ID: MB 860-269869/62
Matrix: Water
Analysis Batch: 269869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/21/25 16:35	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/21/25 16:35	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/21/25 16:35	1

Lab Sample ID: LCS 860-269869/4
Matrix: Water
Analysis Batch: 269869

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.11		mg/L		101	90 - 110
Fluoride	10.0	10.20		mg/L		102	90 - 110
Sulfate	10.0	9.958		mg/L		100	90 - 110

Lab Sample ID: LCS 860-269869/63
Matrix: Water
Analysis Batch: 269869

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.893		mg/L		99	90 - 110
Fluoride	10.0	9.627		mg/L		96	90 - 110
Sulfate	10.0	9.814		mg/L		98	90 - 110

Lab Sample ID: LCSD 860-269869/5
Matrix: Water
Analysis Batch: 269869

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
Chloride	10.0	10.10		mg/L		101	90 - 110	0	20
Fluoride	10.0	10.22		mg/L		102	90 - 110	0	20
Sulfate	10.0	9.945		mg/L		99	90 - 110	0	20

Lab Sample ID: LCSD 860-269869/64
Matrix: Water
Analysis Batch: 269869

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
Chloride	10.0	10.04		mg/L		100	90 - 110	1	20
Fluoride	10.0	10.10		mg/L		101	90 - 110	5	20
Sulfate	10.0	9.900		mg/L		99	90 - 110	1	20

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-269869/7
Matrix: Water
Analysis Batch: 269869

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.5242		mg/L		105	50 - 150
Fluoride	0.500	0.5209		mg/L		104	50 - 150
Sulfate	0.500	0.5430		mg/L		109	50 - 150

Lab Sample ID: MB 860-269887/3
Matrix: Water
Analysis Batch: 269887

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/21/25 10:42	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/21/25 10:42	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/21/25 10:42	1

Lab Sample ID: LCS 860-269887/4
Matrix: Water
Analysis Batch: 269887

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.04		mg/L		100	90 - 110
Fluoride	10.0	9.522		mg/L		95	90 - 110
Sulfate	10.0	10.16		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-269887/5
Matrix: Water
Analysis Batch: 269887

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
Chloride	10.0	10.06		mg/L		101	90 - 110	0	20
Fluoride	10.0	9.618		mg/L		96	90 - 110	1	20
Sulfate	10.0	10.17		mg/L		102	90 - 110	0	20

Lab Sample ID: LLCS 860-269887/7
Matrix: Water
Analysis Batch: 269887

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6188		mg/L		124	50 - 150
Fluoride	0.500	0.4536	J	mg/L		91	50 - 150
Sulfate	0.500	0.5861		mg/L		117	50 - 150

Lab Sample ID: 870-40769-1 MS
Matrix: Water
Analysis Batch: 269887

Client Sample ID: SSP MW-6S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.571	F1	10.0	8.957	F1	mg/L		84	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-40769-1 MSD
Matrix: Water
Analysis Batch: 269887

Client Sample ID: SSP MW-6S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.571	F1	10.0	8.986	F1	mg/L		84	90 - 110	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-269556/1-A
Matrix: Water
Analysis Batch: 269855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/20/25 09:00	10/20/25 18:13	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/20/25 09:00	10/20/25 18:13	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/20/25 09:00	10/20/25 18:13	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/20/25 09:00	10/20/25 18:13	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/20/25 09:00	10/20/25 18:13	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/20/25 09:00	10/20/25 18:13	1

Lab Sample ID: LCS 860-269556/2-A
Matrix: Water
Analysis Batch: 269855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.020		mg/L		102	80 - 120
Calcium	25.0	26.70		mg/L		107	80 - 120
Magnesium	25.0	27.10		mg/L		108	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Sodium	25.0	24.80		mg/L		99	80 - 120
Lithium	1.00	0.9230		mg/L		92	80 - 120

Lab Sample ID: LCSD 860-269556/3-A
Matrix: Water
Analysis Batch: 269855

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269556

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.020		mg/L		102	80 - 120	0	20
Calcium	25.0	26.60		mg/L		106	80 - 120	0	20
Magnesium	25.0	26.90		mg/L		108	80 - 120	1	20
Potassium	10.0	9.990		mg/L		100	80 - 120	1	20
Sodium	25.0	24.80		mg/L		99	80 - 120	0	20
Lithium	1.00	0.9260		mg/L		93	80 - 120	0	20

Lab Sample ID: MB 860-269599/1-A
Matrix: Water
Analysis Batch: 269857

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/20/25 09:30	10/20/25 18:11	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/20/25 09:30	10/20/25 18:11	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/20/25 09:30	10/20/25 18:11	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/20/25 09:30	10/20/25 18:11	1
Sodium	0.1620	J	0.500	0.152	mg/L		10/20/25 09:30	10/20/25 18:11	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-269599/1-A
Matrix: Water
Analysis Batch: 269857

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/20/25 09:30	10/20/25 18:11	1

Lab Sample ID: LCS 860-269599/2-A
Matrix: Water
Analysis Batch: 269857

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269599

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.000		mg/L		100	80 - 120
Calcium	25.0	26.10		mg/L		104	80 - 120
Magnesium	25.0	24.90		mg/L		100	80 - 120
Potassium	10.0	9.940		mg/L		99	80 - 120
Sodium	25.0	24.70		mg/L		99	80 - 120
Lithium	1.00	0.9450		mg/L		95	80 - 120

Lab Sample ID: LCSD 860-269599/3-A
Matrix: Water
Analysis Batch: 269857

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269599

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	0.9980		mg/L		100	80 - 120	0	20
Calcium	25.0	26.10		mg/L		104	80 - 120	0	20
Magnesium	25.0	24.90		mg/L		100	80 - 120	0	20
Potassium	10.0	9.920		mg/L		99	80 - 120	0	20
Sodium	25.0	24.70		mg/L		99	80 - 120	0	20
Lithium	1.00	0.9530		mg/L		95	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-269286/1-A
Matrix: Water
Analysis Batch: 269942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/17/25 12:54	10/20/25 17:54	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/17/25 12:54	10/20/25 17:54	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/17/25 12:54	10/20/25 17:54	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/17/25 12:54	10/20/25 17:54	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/17/25 12:54	10/20/25 17:54	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/17/25 12:54	10/20/25 17:54	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/17/25 12:54	10/20/25 17:54	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/17/25 12:54	10/20/25 17:54	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/17/25 12:54	10/20/25 17:54	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/17/25 12:54	10/20/25 17:54	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/17/25 12:54	10/20/25 17:54	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/17/25 12:54	10/20/25 17:54	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/17/25 12:54	10/20/25 17:54	1

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

Lab Sample ID: LCS 860-269286/2-A
Matrix: Water
Analysis Batch: 269942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4980		mg/L		100	80 - 120
Antimony	0.100	0.1130		mg/L		113	80 - 120
Arsenic	0.100	0.09733		mg/L		97	80 - 120
Barium	0.100	0.09363		mg/L		94	80 - 120
Beryllium	0.100	0.09328		mg/L		93	80 - 120
Cadmium	0.100	0.1018		mg/L		102	80 - 120
Chromium	0.100	0.09787		mg/L		98	80 - 120
Cobalt	0.100	0.09769		mg/L		98	80 - 120
Iron	0.500	0.4960		mg/L		99	80 - 120
Lead	0.100	0.09882		mg/L		99	80 - 120
Molybdenum	0.100	0.09944		mg/L		99	80 - 120
Selenium	0.100	0.09711		mg/L		97	80 - 120
Thallium	0.100	0.1014		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-269286/3-A
Matrix: Water
Analysis Batch: 269942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269286

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4895		mg/L		98	80 - 120	2	20
Antimony	0.100	0.1105		mg/L		111	80 - 120	2	20
Arsenic	0.100	0.09696		mg/L		97	80 - 120	0	20
Barium	0.100	0.09325		mg/L		93	80 - 120	0	20
Beryllium	0.100	0.09569		mg/L		96	80 - 120	3	20
Cadmium	0.100	0.1016		mg/L		102	80 - 120	0	20
Chromium	0.100	0.09730		mg/L		97	80 - 120	1	20
Cobalt	0.100	0.09726		mg/L		97	80 - 120	0	20
Iron	0.500	0.4858		mg/L		97	80 - 120	2	20
Lead	0.100	0.09915		mg/L		99	80 - 120	0	20
Molybdenum	0.100	0.09918		mg/L		99	80 - 120	0	20
Selenium	0.100	0.09646		mg/L		96	80 - 120	1	20
Thallium	0.100	0.1012		mg/L		101	80 - 120	0	20

Lab Sample ID: MB 860-269497/1-A
Matrix: Water
Analysis Batch: 269942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/19/25 11:00	10/20/25 14:08	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/19/25 11:00	10/20/25 14:08	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/19/25 11:00	10/20/25 14:08	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/19/25 11:00	10/20/25 14:08	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/19/25 11:00	10/20/25 14:08	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/19/25 11:00	10/20/25 14:08	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/19/25 11:00	10/20/25 14:08	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/19/25 11:00	10/20/25 14:08	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/19/25 11:00	10/20/25 14:08	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/19/25 11:00	10/20/25 14:08	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/19/25 11:00	10/20/25 14:08	1

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

Lab Sample ID: MB 860-269497/1-A
Matrix: Water
Analysis Batch: 269942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/19/25 11:00	10/20/25 14:08	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/19/25 11:00	10/20/25 14:08	1

Lab Sample ID: LCS 860-269497/2-A
Matrix: Water
Analysis Batch: 269942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5070		mg/L		101	80 - 120
Antimony	0.100	0.1023		mg/L		102	80 - 120
Arsenic	0.100	0.09981		mg/L		100	80 - 120
Barium	0.100	0.09967		mg/L		100	80 - 120
Beryllium	0.100	0.09683		mg/L		97	80 - 120
Cadmium	0.100	0.1005		mg/L		100	80 - 120
Chromium	0.100	0.1002		mg/L		100	80 - 120
Cobalt	0.100	0.09903		mg/L		99	80 - 120
Iron	0.500	0.5064		mg/L		101	80 - 120
Lead	0.100	0.1008		mg/L		101	80 - 120
Molybdenum	0.100	0.09828		mg/L		98	80 - 120
Selenium	0.100	0.09997		mg/L		100	80 - 120
Thallium	0.100	0.1027		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-269497/3-A
Matrix: Water
Analysis Batch: 269942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269497

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5058		mg/L		101	80 - 120	0	20
Antimony	0.100	0.1053		mg/L		105	80 - 120	3	20
Arsenic	0.100	0.1003		mg/L		100	80 - 120	0	20
Barium	0.100	0.09933		mg/L		99	80 - 120	0	20
Beryllium	0.100	0.09810		mg/L		98	80 - 120	1	20
Cadmium	0.100	0.1015		mg/L		101	80 - 120	1	20
Chromium	0.100	0.1005		mg/L		100	80 - 120	0	20
Cobalt	0.100	0.09925		mg/L		99	80 - 120	0	20
Iron	0.500	0.5101		mg/L		102	80 - 120	1	20
Lead	0.100	0.1009		mg/L		101	80 - 120	0	20
Molybdenum	0.100	0.09909		mg/L		99	80 - 120	1	20
Selenium	0.100	0.09998		mg/L		100	80 - 120	0	20
Thallium	0.100	0.1033		mg/L		103	80 - 120	1	20

Lab Sample ID: MB 860-269509/1-A
Matrix: Water
Analysis Batch: 270261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/19/25 15:00	10/22/25 00:07	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/19/25 15:00	10/22/25 00:07	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/19/25 15:00	10/22/25 00:07	1

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

Lab Sample ID: MB 860-269509/1-A
Matrix: Water
Analysis Batch: 270261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/19/25 15:00	10/22/25 00:07	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/19/25 15:00	10/22/25 00:07	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/19/25 15:00	10/22/25 00:07	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/19/25 15:00	10/22/25 00:07	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/19/25 15:00	10/22/25 00:07	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/19/25 15:00	10/22/25 00:07	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/19/25 15:00	10/22/25 00:07	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/19/25 15:00	10/22/25 00:07	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/19/25 15:00	10/22/25 00:07	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/19/25 15:00	10/22/25 00:07	1

Lab Sample ID: LCS 860-269509/2-A
Matrix: Water
Analysis Batch: 270261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269509

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum			0.500	0.4885		mg/L		98	80 - 120		
Antimony			0.100	0.09675		mg/L		97	80 - 120		
Arsenic			0.100	0.1009		mg/L		101	80 - 120		
Barium			0.100	0.09879		mg/L		99	80 - 120		
Beryllium			0.100	0.09952		mg/L		100	80 - 120		
Cadmium			0.100	0.1004		mg/L		100	80 - 120		
Chromium			0.100	0.09962		mg/L		100	80 - 120		
Cobalt			0.100	0.09924		mg/L		99	80 - 120		
Iron			0.500	0.4964		mg/L		99	80 - 120		
Lead			0.100	0.1006		mg/L		101	80 - 120		
Molybdenum			0.100	0.09600		mg/L		96	80 - 120		
Selenium			0.100	0.1015		mg/L		101	80 - 120		
Thallium			0.100	0.1028		mg/L		103	80 - 120		

Lab Sample ID: LCSD 860-269509/3-A
Matrix: Water
Analysis Batch: 270261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269509

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			0.500	0.5071		mg/L		101	80 - 120	4	20
Antimony			0.100	0.09955		mg/L		100	80 - 120	3	20
Arsenic			0.100	0.09925		mg/L		99	80 - 120	2	20
Barium			0.100	0.09735		mg/L		97	80 - 120	1	20
Beryllium			0.100	0.09933		mg/L		99	80 - 120	0	20
Cadmium			0.100	0.09901		mg/L		99	80 - 120	1	20
Chromium			0.100	0.09879		mg/L		99	80 - 120	1	20
Cobalt			0.100	0.09827		mg/L		98	80 - 120	1	20
Iron			0.500	0.4923		mg/L		98	80 - 120	1	20
Lead			0.100	0.1006		mg/L		101	80 - 120	0	20
Molybdenum			0.100	0.09605		mg/L		96	80 - 120	0	20
Selenium			0.100	0.1017		mg/L		102	80 - 120	0	20
Thallium			0.100	0.1020		mg/L		102	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-269165/10-A
Matrix: Water
Analysis Batch: 269429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/17/25 08:21	10/17/25 19:45	1

Lab Sample ID: LCS 860-269165/11-A
Matrix: Water
Analysis Batch: 269429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.002062		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-269165/12-A
Matrix: Water
Analysis Batch: 269429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269165

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002063		mg/L		103	80 - 120	0	20

Lab Sample ID: MB 860-270146/10-A
Matrix: Water
Analysis Batch: 270280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/22/25 08:59	10/22/25 14:34	1

Lab Sample ID: LCS 860-270146/11-A
Matrix: Water
Analysis Batch: 270280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001840		mg/L		92	80 - 120

Lab Sample ID: LCSD 860-270146/12-A
Matrix: Water
Analysis Batch: 270280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001845		mg/L		92	80 - 120	0	20

Lab Sample ID: 870-40769-1 MS
Matrix: Water
Analysis Batch: 270280

Client Sample ID: SSP MW-6S
Prep Type: Total/NA
Prep Batch: 270146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.0000706	U F1	0.00200	0.0008680	F1	mg/L		43	75 - 125

Lab Sample ID: 870-40769-1 MSD
Matrix: Water
Analysis Batch: 270280

Client Sample ID: SSP MW-6S
Prep Type: Total/NA
Prep Batch: 270146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U F1	0.00200	0.0008190	F1	mg/L		41	75 - 125	6	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-270068/3
Matrix: Water
Analysis Batch: 270068

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/21/25 11:54	1

Lab Sample ID: LCS 860-270068/4
Matrix: Water
Analysis Batch: 270068

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	240.3		mg/L		96	85 - 115		

Lab Sample ID: LCSD 860-270068/5
Matrix: Water
Analysis Batch: 270068

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
Alkalinity			250	242.6		mg/L		97	85 - 115	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-32726/1
Matrix: Water
Analysis Batch: 32726

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			10/16/25 11:36	1

Lab Sample ID: LCS 870-32726/2
Matrix: Water
Analysis Batch: 32726

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	952.0		mg/L		95	80 - 120		

Lab Sample ID: LCSD 870-32726/3
Matrix: Water
Analysis Batch: 32726

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
Total Dissolved Solids			1000	1023		mg/L		102	80 - 120	7	10

Lab Sample ID: 870-40769-9 DU
Matrix: Water
Analysis Batch: 32726

Client Sample ID: FD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	3680			3768		mg/L				2	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-40769-9 DU
Matrix: Water
Analysis Batch: 32737

Client Sample ID: FD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.4	HF	6.5		SU		0.8	20
Temperature	20.7	HF	20.7		Celsius		0	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-741118/1-A
Matrix: Water
Analysis Batch: 744239

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741118

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	9.706	U	16.6	16.6	50.0	45.4	pCi/L	10/17/25 09:12	11/07/25 18:24	1
Radium-228	18.40	U	29.7	29.7	50.0	46.7	pCi/L	10/17/25 09:12	11/07/25 18:24	1
Combined Radium 226 + 228	28.11	U	34.0	34.0		46.7	pCi/L	10/17/25 09:12	11/07/25 18:24	1

Lab Sample ID: LCS 160-741118/2-A
Matrix: Water
Analysis Batch: 744276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741118

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	139500		14300		422	pCi/L	98	75 - 125
Cesium-137	37600	35890		3510		159	pCi/L	95	75 - 125
Cobalt-60	50600	47070		4590		223	pCi/L	93	75 - 125

Lab Sample ID: 870-40769-1 DU
Matrix: Water
Analysis Batch: 744234

Client Sample ID: SSP MW-6S
Prep Type: Total/NA
Prep Batch: 741118

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	48.7		-3.963	U G F	12.0	50.0	56.0	pCi/L	1.63	1
Radium-228	-9.62	U G	19.91	U	31.9	50.0	37.4	pCi/L	0.49	1
Combined Radium 226 + 228	39.0	U	15.94	U	34.1		56.0	pCi/L	0.33	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-741100/1-A
Matrix: Water
Analysis Batch: 744976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741100

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1626	U	0.296	0.296	1.00	0.518	pCi/L	10/17/25 07:46	11/12/25 16:24	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.3*		*30 - 110*	*10/17/25 07:46*	*11/12/25 16:24*	*1*

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: LCS 160-741100/2-A
Matrix: Water
Analysis Batch: 744976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741100

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.751		1.20	1.00	0.337	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.2*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-741101/1-A
Matrix: Water
Analysis Batch: 744977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741101

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2101	U	0.443	0.443	1.00	0.769	pCi/L	10/17/25 07:49	11/12/25 11:54	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.3*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:54*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/17/25 07:49*	*11/12/25 11:54*	*1*

Lab Sample ID: LCS 160-741101/2-A
Matrix: Water
Analysis Batch: 744977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741101

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.94	8.075		1.19	1.00	0.578	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.2*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

HPLC/IC

Analysis Batch: 269869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-2	SSP MW-5S	Total/NA	Water	9056A	
870-40769-2	SSP MW-5S	Total/NA	Water	9056A	
870-40769-3	SSP MW-5D	Total/NA	Water	9056A	
870-40769-3	SSP MW-5D	Total/NA	Water	9056A	
870-40769-4	SSP MW-3D	Total/NA	Water	9056A	
870-40769-4	SSP MW-3D	Total/NA	Water	9056A	
870-40769-5	SSP MW-6D	Total/NA	Water	9056A	
870-40769-5	SSP MW-6D	Total/NA	Water	9056A	
870-40769-6	SSP MW-2D	Total/NA	Water	9056A	
870-40769-6	SSP MW-2D	Total/NA	Water	9056A	
870-40769-7	SSP MW-4S	Total/NA	Water	9056A	
870-40769-7	SSP MW-4S	Total/NA	Water	9056A	
870-40769-8	AP PZ-4S	Total/NA	Water	9056A	
870-40769-8	AP PZ-4S	Total/NA	Water	9056A	
870-40769-9	FD-1	Total/NA	Water	9056A	
870-40769-9	FD-1	Total/NA	Water	9056A	
MB 860-269869/3	Method Blank	Total/NA	Water	9056A	
MB 860-269869/62	Method Blank	Total/NA	Water	9056A	
LCS 860-269869/4	Lab Control Sample	Total/NA	Water	9056A	
LCS 860-269869/63	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-269869/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LCSD 860-269869/64	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-269869/7	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 269887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	9056A	
870-40769-1	SSP MW-6S	Total/NA	Water	9056A	
MB 860-269887/3	Method Blank	Total/NA	Water	9056A	
LCS 860-269887/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-269887/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-269887/7	Lab Control Sample	Total/NA	Water	9056A	
870-40769-1 MS	SSP MW-6S	Total/NA	Water	9056A	
870-40769-1 MSD	SSP MW-6S	Total/NA	Water	9056A	

Metals

Prep Batch: 269165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-6	SSP MW-2D	Total/NA	Water	7470A	
MB 860-269165/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-269165/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-269165/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 269286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	3010A	
870-40769-2	SSP MW-5S	Total/NA	Water	3010A	
870-40769-4	SSP MW-3D	Total/NA	Water	3010A	
870-40769-5	SSP MW-6D	Total/NA	Water	3010A	
870-40769-6	SSP MW-2D	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 269286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-269286/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-269286/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-269286/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 269429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-6	SSP MW-2D	Total/NA	Water	7470A	269165
MB 860-269165/10-A	Method Blank	Total/NA	Water	7470A	269165
LCS 860-269165/11-A	Lab Control Sample	Total/NA	Water	7470A	269165
LCSD 860-269165/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	269165

Prep Batch: 269497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-7	SSP MW-4S	Total/NA	Water	3010A	
MB 860-269497/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-269497/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-269497/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 269509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-3	SSP MW-5D	Total/NA	Water	3010A	
870-40769-8	AP PZ-4S	Total/NA	Water	3010A	
870-40769-9	FD-1	Total/NA	Water	3010A	
MB 860-269509/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-269509/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-269509/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 269556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	3010A	
870-40769-2	SSP MW-5S	Total/NA	Water	3010A	
870-40769-4	SSP MW-3D	Total/NA	Water	3010A	
870-40769-5	SSP MW-6D	Total/NA	Water	3010A	
870-40769-6	SSP MW-2D	Total/NA	Water	3010A	
870-40769-7	SSP MW-4S	Total/NA	Water	3010A	
MB 860-269556/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-269556/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-269556/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 269599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-3	SSP MW-5D	Total/NA	Water	3010A	
870-40769-8	AP PZ-4S	Total/NA	Water	3010A	
870-40769-9	FD-1	Total/NA	Water	3010A	
MB 860-269599/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-269599/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-269599/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 269855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	6010D	269556

Metals (Continued)

Analysis Batch: 269855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	6010D	269556
870-40769-2	SSP MW-5S	Total/NA	Water	6010D	269556
870-40769-2	SSP MW-5S	Total/NA	Water	6010D	269556
870-40769-4	SSP MW-3D	Total/NA	Water	6010D	269556
870-40769-4	SSP MW-3D	Total/NA	Water	6010D	269556
870-40769-5	SSP MW-6D	Total/NA	Water	6010D	269556
870-40769-5	SSP MW-6D	Total/NA	Water	6010D	269556
870-40769-6	SSP MW-2D	Total/NA	Water	6010D	269556
870-40769-6	SSP MW-2D	Total/NA	Water	6010D	269556
870-40769-7	SSP MW-4S	Total/NA	Water	6010D	269556
870-40769-7	SSP MW-4S	Total/NA	Water	6010D	269556
MB 860-269556/1-A	Method Blank	Total/NA	Water	6010D	269556
LCS 860-269556/2-A	Lab Control Sample	Total/NA	Water	6010D	269556
LCSD 860-269556/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	269556

Analysis Batch: 269857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-3	SSP MW-5D	Total/NA	Water	6010D	269599
870-40769-3	SSP MW-5D	Total/NA	Water	6010D	269599
870-40769-8	AP PZ-4S	Total/NA	Water	6010D	269599
870-40769-8	AP PZ-4S	Total/NA	Water	6010D	269599
870-40769-9	FD-1	Total/NA	Water	6010D	269599
870-40769-9	FD-1	Total/NA	Water	6010D	269599
MB 860-269599/1-A	Method Blank	Total/NA	Water	6010D	269599
LCS 860-269599/2-A	Lab Control Sample	Total/NA	Water	6010D	269599
LCSD 860-269599/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	269599

Analysis Batch: 269942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	6020B	269286
870-40769-2	SSP MW-5S	Total/NA	Water	6020B	269286
870-40769-4	SSP MW-3D	Total/NA	Water	6020B	269286
870-40769-5	SSP MW-6D	Total/NA	Water	6020B	269286
870-40769-7	SSP MW-4S	Total/NA	Water	6020B	269497
870-40769-7	SSP MW-4S	Total/NA	Water	6020B	269497
MB 860-269286/1-A	Method Blank	Total/NA	Water	6020B	269286
MB 860-269497/1-A	Method Blank	Total/NA	Water	6020B	269497
LCS 860-269286/2-A	Lab Control Sample	Total/NA	Water	6020B	269286
LCS 860-269497/2-A	Lab Control Sample	Total/NA	Water	6020B	269497
LCSD 860-269286/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	269286
LCSD 860-269497/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	269497

Analysis Batch: 270050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	6020B	269286
870-40769-2	SSP MW-5S	Total/NA	Water	6020B	269286
870-40769-4	SSP MW-3D	Total/NA	Water	6020B	269286
870-40769-5	SSP MW-6D	Total/NA	Water	6020B	269286
870-40769-6	SSP MW-2D	Total/NA	Water	6020B	269286

Metals

Prep Batch: 270146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	7470A	
870-40769-2	SSP MW-5S	Total/NA	Water	7470A	
870-40769-3	SSP MW-5D	Total/NA	Water	7470A	
870-40769-4	SSP MW-3D	Total/NA	Water	7470A	
870-40769-5	SSP MW-6D	Total/NA	Water	7470A	
870-40769-7	SSP MW-4S	Total/NA	Water	7470A	
870-40769-8	AP PZ-4S	Total/NA	Water	7470A	
870-40769-9	FD-1	Total/NA	Water	7470A	
MB 860-270146/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-270146/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-270146/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-40769-1 MS	SSP MW-6S	Total/NA	Water	7470A	
870-40769-1 MSD	SSP MW-6S	Total/NA	Water	7470A	

Analysis Batch: 270261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-3	SSP MW-5D	Total/NA	Water	6020B	269509
870-40769-8	AP PZ-4S	Total/NA	Water	6020B	269509
870-40769-9	FD-1	Total/NA	Water	6020B	269509
MB 860-269509/1-A	Method Blank	Total/NA	Water	6020B	269509
LCS 860-269509/2-A	Lab Control Sample	Total/NA	Water	6020B	269509
LCSD 860-269509/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	269509

Analysis Batch: 270280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	7470A	270146
870-40769-2	SSP MW-5S	Total/NA	Water	7470A	270146
870-40769-3	SSP MW-5D	Total/NA	Water	7470A	270146
870-40769-4	SSP MW-3D	Total/NA	Water	7470A	270146
870-40769-5	SSP MW-6D	Total/NA	Water	7470A	270146
870-40769-7	SSP MW-4S	Total/NA	Water	7470A	270146
870-40769-8	AP PZ-4S	Total/NA	Water	7470A	270146
870-40769-9	FD-1	Total/NA	Water	7470A	270146
MB 860-270146/10-A	Method Blank	Total/NA	Water	7470A	270146
LCS 860-270146/11-A	Lab Control Sample	Total/NA	Water	7470A	270146
LCSD 860-270146/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	270146
870-40769-1 MS	SSP MW-6S	Total/NA	Water	7470A	270146
870-40769-1 MSD	SSP MW-6S	Total/NA	Water	7470A	270146

General Chemistry

Analysis Batch: 32726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	SM 2540C	
870-40769-2	SSP MW-5S	Total/NA	Water	SM 2540C	
870-40769-3	SSP MW-5D	Total/NA	Water	SM 2540C	
870-40769-4	SSP MW-3D	Total/NA	Water	SM 2540C	
870-40769-5	SSP MW-6D	Total/NA	Water	SM 2540C	
870-40769-6	SSP MW-2D	Total/NA	Water	SM 2540C	
870-40769-7	SSP MW-4S	Total/NA	Water	SM 2540C	
870-40769-8	AP PZ-4S	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 32726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-9	FD-1	Total/NA	Water	SM 2540C	
MB 870-32726/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-32726/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-32726/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-40769-9 DU	FD-1	Total/NA	Water	SM 2540C	

Analysis Batch: 32737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	SM 4500 H+ B	
870-40769-2	SSP MW-5S	Total/NA	Water	SM 4500 H+ B	
870-40769-3	SSP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-40769-4	SSP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-40769-5	SSP MW-6D	Total/NA	Water	SM 4500 H+ B	
870-40769-6	SSP MW-2D	Total/NA	Water	SM 4500 H+ B	
870-40769-7	SSP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-40769-8	AP PZ-4S	Total/NA	Water	SM 4500 H+ B	
870-40769-9	FD-1	Total/NA	Water	SM 4500 H+ B	
870-40769-9 DU	FD-1	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 270068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	SM 2320B	
870-40769-2	SSP MW-5S	Total/NA	Water	SM 2320B	
870-40769-3	SSP MW-5D	Total/NA	Water	SM 2320B	
870-40769-4	SSP MW-3D	Total/NA	Water	SM 2320B	
870-40769-5	SSP MW-6D	Total/NA	Water	SM 2320B	
870-40769-6	SSP MW-2D	Total/NA	Water	SM 2320B	
870-40769-7	SSP MW-4S	Total/NA	Water	SM 2320B	
870-40769-8	AP PZ-4S	Total/NA	Water	SM 2320B	
870-40769-9	FD-1	Total/NA	Water	SM 2320B	
MB 860-270068/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-270068/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-270068/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 741100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	PrecSep-21	
870-40769-2	SSP MW-5S	Total/NA	Water	PrecSep-21	
870-40769-3	SSP MW-5D	Total/NA	Water	PrecSep-21	
870-40769-4	SSP MW-3D	Total/NA	Water	PrecSep-21	
870-40769-5	SSP MW-6D	Total/NA	Water	PrecSep-21	
870-40769-6	SSP MW-2D	Total/NA	Water	PrecSep-21	
870-40769-7	SSP MW-4S	Total/NA	Water	PrecSep-21	
870-40769-8	AP PZ-4S	Total/NA	Water	PrecSep-21	
870-40769-9	FD-1	Total/NA	Water	PrecSep-21	
MB 160-741100/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-741100/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Rad

Prep Batch: 741101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	PrecSep_0	
870-40769-2	SSP MW-5S	Total/NA	Water	PrecSep_0	
870-40769-3	SSP MW-5D	Total/NA	Water	PrecSep_0	
870-40769-4	SSP MW-3D	Total/NA	Water	PrecSep_0	
870-40769-5	SSP MW-6D	Total/NA	Water	PrecSep_0	
870-40769-6	SSP MW-2D	Total/NA	Water	PrecSep_0	
870-40769-7	SSP MW-4S	Total/NA	Water	PrecSep_0	
870-40769-8	AP PZ-4S	Total/NA	Water	PrecSep_0	
870-40769-9	FD-1	Total/NA	Water	PrecSep_0	
MB 160-741101/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-741101/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 741118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40769-1	SSP MW-6S	Total/NA	Water	Fill_Geo-21	
870-40769-2	SSP MW-5S	Total/NA	Water	Fill_Geo-21	
870-40769-3	SSP MW-5D	Total/NA	Water	Fill_Geo-21	
870-40769-4	SSP MW-3D	Total/NA	Water	Fill_Geo-21	
870-40769-5	SSP MW-6D	Total/NA	Water	Fill_Geo-21	
870-40769-6	SSP MW-2D	Total/NA	Water	Fill_Geo-21	
870-40769-7	SSP MW-4S	Total/NA	Water	Fill_Geo-21	
870-40769-8	AP PZ-4S	Total/NA	Water	Fill_Geo-21	
870-40769-9	FD-1	Total/NA	Water	Fill_Geo-21	
MB 160-741118/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-741118/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-40769-1 DU	SSP MW-6S	Total/NA	Water	Fill_Geo-21	

Lab Chronicle

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-6S
Lab Sample ID: 870-40769-1
Date Collected: 10/13/25 08:45
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269887	10/21/25 16:57	RJD	EET HOU
Total/NA	Analysis	9056A		10			269887	10/21/25 17:06	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			269855	10/20/25 19:09	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			269855	10/20/25 19:17	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		1			269942	10/20/25 19:11	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		5			270050	10/21/25 13:51	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270146	10/22/25 08:59	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 14:38	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 12:53	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744237	11/07/25 02:38	MLS	EET SL
Total/NA	Prep	PrecSep-21			1008.98 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744977	11/12/25 16:23	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.98 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	744977	11/12/25 11:56	SWS	EET SL

Client Sample ID: SSP MW-5S
Lab Sample ID: 870-40769-2
Date Collected: 10/13/25 11:05
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269869	10/21/25 21:32	RJD	EET HOU
Total/NA	Analysis	9056A		10			269869	10/21/25 21:39	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			269855	10/20/25 19:10	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			269855	10/20/25 19:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		1			269942	10/20/25 19:14	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		5			270050	10/21/25 13:54	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270146	10/22/25 08:59	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 14:47	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 13:00	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:02	CJH	EET DAL

Lab Chronicle

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-5S
Lab Sample ID: 870-40769-2
Date Collected: 10/13/25 11:05
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744239	11/07/25 07:35	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.76 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 19:41	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.76 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	744977	11/12/25 11:56	SWS	EET SL

Client Sample ID: SSP MW-5D
Lab Sample ID: 870-40769-3
Date Collected: 10/13/25 12:35
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269869	10/21/25 21:45	RJD	EET HOU
Total/NA	Analysis	9056A		10			269869	10/21/25 21:52	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269599	10/20/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			269857	10/20/25 18:37	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269599	10/20/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			269857	10/20/25 18:39	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269509	10/19/25 15:00	MD	EET HOU
Total/NA	Analysis	6020B		1			270261	10/22/25 00:49	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270146	10/22/25 08:59	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 14:49	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 13:15	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744237	11/07/25 07:35	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.19 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 19:41	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.19 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	744967	11/12/25 11:50	SWS	EET SL

Client Sample ID: SSP MW-3D
Lab Sample ID: 870-40769-4
Date Collected: 10/13/25 16:15
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269869	10/21/25 21:58	RJD	EET HOU
Total/NA	Analysis	9056A		10			269869	10/21/25 22:04	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			269855	10/20/25 19:12	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			269855	10/20/25 19:20	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: SSP MW-3D
Lab Sample ID: 870-40769-4
Date Collected: 10/13/25 16:15
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		1			269942	10/20/25 19:17	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		5			270050	10/21/25 13:57	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270146	10/22/25 08:59	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 14:50	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 13:22	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744239	11/07/25 08:53	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.92 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 19:41	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.92 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	744967	11/12/25 11:50	SWS	EET SL

Client Sample ID: SSP MW-6D
Lab Sample ID: 870-40769-5
Date Collected: 10/13/25 08:45
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269869	10/21/25 22:11	RJD	EET HOU
Total/NA	Analysis	9056A		10			269869	10/21/25 22:17	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			269855	10/20/25 19:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			269855	10/20/25 19:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		1			269942	10/20/25 19:19	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		5			270050	10/21/25 14:00	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270146	10/22/25 08:59	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 14:51	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 13:27	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744237	11/07/25 08:51	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.36 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 19:41	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.36 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	744967	11/12/25 11:51	SWS	EET SL

Client Sample ID: SSP MW-2D
Lab Sample ID: 870-40769-6

Date Collected: 10/13/25 11:45
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269869	10/21/25 22:23	RJD	EET HOU
Total/NA	Analysis	9056A		10			269869	10/21/25 22:30	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			269855	10/20/25 19:15	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			269855	10/20/25 19:23	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269286	10/17/25 12:54	MD	EET HOU
Total/NA	Analysis	6020B		5			270050	10/21/25 14:03	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	269165	10/17/25 08:21	PB	EET HOU
Total/NA	Analysis	7470A		1			269429	10/17/25 20:04	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 13:34	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:02	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744239	11/07/25 10:10	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.75 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 19:41	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.75 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	744967	11/12/25 11:51	SWS	EET SL

Client Sample ID: SSP MW-4S
Lab Sample ID: 870-40769-7

Date Collected: 10/13/25 13:50
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269869	10/21/25 22:49	RJD	EET HOU
Total/NA	Analysis	9056A		10			269869	10/21/25 22:55	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			269855	10/20/25 19:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269556	10/20/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			269855	10/20/25 19:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269497	10/19/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		1			269942	10/20/25 17:02	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269497	10/19/25 11:00	MD	EET HOU
Total/NA	Analysis	6020B		5			269942	10/20/25 17:06	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270146	10/22/25 08:59	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 14:53	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 13:39	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:04	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744240	11/07/25 10:11	MLS	EET SL

Client Sample ID: SSP MW-4S
Lab Sample ID: 870-40769-7
Date Collected: 10/13/25 13:50
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.41 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 19:42	SWS	EET SL
Total/NA	Prep	PrecSep_0			752.41 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	744967	11/12/25 11:51	SWS	EET SL

Client Sample ID: AP PZ-4S
Lab Sample ID: 870-40769-8
Date Collected: 10/13/25 16:10
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269869	10/21/25 23:02	RJD	EET HOU
Total/NA	Analysis	9056A		10			269869	10/21/25 23:08	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269599	10/20/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			269857	10/20/25 18:45	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269599	10/20/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			269857	10/20/25 18:52	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269509	10/19/25 15:00	MD	EET HOU
Total/NA	Analysis	6020B		1			270261	10/22/25 00:52	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270146	10/22/25 08:59	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 14:54	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 13:42	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:04	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744278	11/07/25 10:11	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.12 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 19:42	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.12 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1			744967	11/12/25 11:49	SWS	EET SL

Client Sample ID: FD-1
Lab Sample ID: 870-40769-9
Date Collected: 10/13/25 08:50
Matrix: Water
Date Received: 10/15/25 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			269869	10/21/25 23:14	RJD	EET HOU
Total/NA	Analysis	9056A		10			269869	10/21/25 23:21	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269599	10/20/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			269857	10/20/25 18:46	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269599	10/20/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			269857	10/20/25 18:53	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269509	10/19/25 15:00	MD	EET HOU
Total/NA	Analysis	6020B		1			270261	10/22/25 00:55	DP	EET HOU

Lab Chronicle

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: FD-1
Date Collected: 10/13/25 08:50
Date Received: 10/15/25 11:00

Lab Sample ID: 870-40769-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	270146	10/22/25 08:59	AGR	EET HOU
Total/NA	Analysis	7470A		1			270280	10/22/25 14:56	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270068	10/21/25 13:48	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32726	10/16/25 11:36	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32737	10/16/25 13:04	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741118	10/17/25 09:12	DC	EET SL
Total/NA	Analysis	901.1		1			744276	11/07/25 10:12	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.88 mL	1.0 g	741100	10/17/25 07:46	AMS	EET SL
Total/NA	Analysis	903.0		1			744976	11/12/25 19:42	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.88 mL	1.0 g	741101	10/17/25 07:49	AMS	EET SL
Total/NA	Analysis	904.0		1			744967	11/12/25 11:49	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-40769-1	SSP MW-6S	Water	10/13/25 08:45	10/15/25 11:00	Texas
870-40769-2	SSP MW-5S	Water	10/13/25 11:05	10/15/25 11:00	Texas
870-40769-3	SSP MW-5D	Water	10/13/25 12:35	10/15/25 11:00	Texas
870-40769-4	SSP MW-3D	Water	10/13/25 16:15	10/15/25 11:00	Texas
870-40769-5	SSP MW-6D	Water	10/13/25 08:45	10/15/25 11:00	Texas
870-40769-6	SSP MW-2D	Water	10/13/25 11:45	10/15/25 11:00	Texas
870-40769-7	SSP MW-4S	Water	10/13/25 13:50	10/15/25 11:00	Texas
870-40769-8	AP PZ-4S	Water	10/13/25 16:10	10/15/25 11:00	Texas
870-40769-9	FD-1	Water	10/13/25 08:50	10/15/25 11:00	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/10/2025

Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14358-4772.1
Client Contact: Matt Barickman	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 1 of 4
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Mattison.Barickman@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

870-40769 Chain of Custody

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Local Method	9056A_ORGFM_28D - (MOD) Local Method	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - Local Method					Total Number of	Special Instructions/Note:
Preservation Code:							D	D	D	N	N	D	D	N	N						
SSP MW-6S	10/13/25	0845	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-5S	10/13/25	1105	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-5D	10/13/25	1235	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-3D	10/13/25	1615	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-6D	10/13/25	0845	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-7D	10/13/25	1145	G	Water			X	X	X	X	X	X		X	X					7	
SSP MW-4S	10/13/25	1350	G	Water			X	X	X	X	X	X		X	X					7	
~~SSP~~ AP PZ-4S	10/13/25	1610	G	Water			X	X	X	X	X	X		X	X					7	
FD-1	10/13/25	0850	G	Water			X	X	X	X	X	X		X	X					7	
				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: W.R. Cullen	Date/Time: 10/14/25 1300	Company	Received by:		Date/Time: 10/15/25 1100	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1, 2.4, 2.2, 1.6, 1.4 TR ONR

Ver: 06/08/2021

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Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9311.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-40769-1
Address: 13715 Rider Trail North,	Due Date Requested: 10/22/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers
			Preservation Code:							
SSP MW-6S (870-40769-1)	10/13/25	08:45 Central	G	Water			X	X	X	2
SSP MW-5S (870-40769-2)	10/13/25	11:05 Central	G	Water			X	X	X	2
SSP MW-5D (870-40769-3)	10/13/25	12:35 Central	G	Water			X	X	X	2
SSP MW-3D (870-40769-4)	10/13/25	16:15 Central	G	Water			X	X	X	2
SSP MW-6D (870-40769-5)	10/13/25	08:45 Central	G	Water			X	X	X	2
SSP MW-2D (870-40769-6)	10/13/25	11:45 Central	G	Water			X	X	X	2
SSP MW-4S (870-40769-7)	10/13/25	13:50 Central	G	Water			X	X	X	2
AP PZ-4S (870-40769-8)	10/13/25	16:10 Central	G	Water			X	X	X	2
FD-1 (870-40769-9)	10/13/25	08:50 Central	G	Water			X	X	X	2

Analysis Requested

Preservation Codes: -

Other: N/A

Special Instructions/Note:

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/15/25-1700		OCT 15 2025		
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
					0830 OCT 16 2025	
3	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

12/10/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9314.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-40769-1
Address: 4145 Greenbriar Dr	Due Date Requested: 10/21/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SSP MW-6S (870-40769-1)	10/13/25	08:45 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-5S (870-40769-2)	10/13/25	11:05 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-5D (870-40769-3)	10/13/25	12:35 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-3D (870-40769-4)	10/13/25	16:15 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-6D (870-40769-5)	10/13/25	08:45 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-2D (870-40769-6)	10/13/25	11:45 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg
SSP MW-4S (870-40769-7)	10/13/25	13:50 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP PZ-4S (870-40769-8)	10/13/25	16:10 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg
FD-1 (870-40769-9)	10/13/25	08:50 Central	G	Water			X	X	X	X	X	X	X	2	Field filtered dissolved metals, Field Filtered Dissolved Hg

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
AB	10/15/25-1700		OCT 15 2025	Received	
				OCT 16 2025	

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 4.7 Time: 900

Ver 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40769-1
SDG Number:

Login Number: 40769
List Number: 1
Creator: Stoaks, Miya L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40769-1
SDG Number:

Login Number: 40769
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 10/16/25 07:24 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40769-1
SDG Number:

Login Number: 40769
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 10/16/25 12:58 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 12/22/2025 1:41:15 PM Revision 1

JOB DESCRIPTION

Gibbons Creek Steam Electric Station

JOB NUMBER

870-40830-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

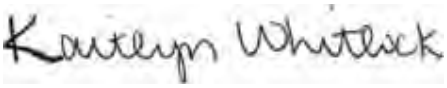
myEOL

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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Revision 1

Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
870-40830-1

REVISION

The report being provided is a revision of the original report sent on 12/4/2025. The report (revision 1) is being revised due to Need to switch initial to primary and re-run as secundary.

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 10/16/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.0°C, 0.4°C, 0.4°C and 0.6°C.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-270236 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Metals
Method 6010D: The following samples were diluted to bring the concentration of target analytes within the calibration range: AP PZ-1 (870-40830-2), FD-2 (870-40830-3), AP PZ-4 (870-40830-4), AP MW-5D (870-40830-5) and AP MW-7S (870-40830-7). Elevated reporting limits (RLs) are provided.

Method 6010D: The following sample was diluted due to the nature of the sample matrix: AP MW-1 (870-40830-11). Elevated reporting limits (RLs) are provided.

Method 6010D: The following sample was diluted due to the nature of the sample matrix: AP PZ-4 (870-40830-4). Elevated reporting limits (RLs) are provided.

Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-277842 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: AP MW-5D (870-40830-5) and AP MW-4S (870-40830-9). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: FB-1 (870-40830-1), AP PZ-1 (870-40830-2), FD-2 (870-40830-3), AP PZ-4 (870-40830-4), AP MW-5D (870-40830-5), AP MW-1D (870-40830-6), AP MW-7S (870-40830-7), FB-2 (870-40830-8), AP MW-4S (870-40830-9), AP MW-3D (870-40830-10) and AP MW-1 (870-40830-11).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 741535
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
FD-2 (870-40830-3), AP PZ-4 (870-40830-4), AP MW-5D (870-40830-5), AP MW-1D (870-40830-6), AP MW-7S (870-40830-7), FB-2 (870-40830-8), AP MW-4S (870-40830-9) and AP MW-3D (870-40830-10)

Method 901.1_Ra: Gamma Batch 741535
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

FB-1 (870-40830-1), AP PZ-1 (870-40830-2), FD-2 (870-40830-3), AP PZ-4 (870-40830-4), AP MW-5D (870-40830-5), AP MW-1D (870-40830-6), AP MW-7S (870-40830-7), FB-2 (870-40830-8), AP MW-4S (870-40830-9), AP MW-3D (870-40830-10), AP MW-1 (870-40830-11) and (870-40830-B-1-E DU)

Method 901.1_Ra: Gamma Batch 741535
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-741535/1-A).

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

Gas Flow Proportional Counter
Method 903.0: Radium 226 Prep Batch 160-741526

Insufficient sample volume was available to perform a sample duplicate for the following samples: FB-1 (870-40830-1), AP PZ-1 (870-40830-2), FD-2 (870-40830-3), AP PZ-4 (870-40830-4), AP MW-5D (870-40830-5), AP MW-1D (870-40830-6), AP MW-7S (870-40830-7), FB-2 (870-40830-8), AP MW-4S (870-40830-9), AP MW-3D (870-40830-10) and AP MW-1 (870-40830-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Job ID: 870-40830-1 (Continued)

Method 904.0: Radium 228 Prep Batch 160-741527

Insufficient sample volume was available to perform a sample duplicate for the following samples: FB-1 (870-40830-1), AP PZ-1 (870-40830-2), FD-2 (870-40830-3), AP PZ-4 (870-40830-4), AP MW-5D (870-40830-5), AP MW-1D (870-40830-6), AP MW-7S (870-40830-7), FB-2 (870-40830-8), AP MW-4S (870-40830-9), AP MW-3D (870-40830-10) and AP MW-1 (870-40830-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

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

Client Sample ID: FB-1
Lab Sample ID: 870-40830-1

Date Collected: 10/13/25 13:10
Matrix: Water

Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/23/25 01:13	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/23/25 01:13	1
Sulfate	**0.201**	**J**	0.500	0.200	mg/L			10/23/25 01:13	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/26/25 12:30	10/27/25 18:50	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/26/25 12:30	10/27/25 18:50	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/26/25 12:30	10/27/25 18:50	1
Potassium	**0.106**	**J**	0.500	0.106	mg/L		10/26/25 12:30	10/27/25 18:50	1
Sodium	**0.217**	**J**	0.500	0.152	mg/L		10/26/25 12:30	10/27/25 18:50	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/26/25 12:30	10/27/25 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/21/25 13:53	10/22/25 14:55	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/21/25 13:53	10/22/25 14:55	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/21/25 13:53	10/22/25 14:55	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/21/25 13:53	10/22/25 14:55	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/21/25 13:53	10/22/25 14:55	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/21/25 13:53	10/22/25 14:55	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/21/25 13:53	10/22/25 14:55	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/21/25 13:53	10/22/25 14:55	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/21/25 13:53	10/22/25 14:55	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/21/25 13:53	10/22/25 14:55	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/21/25 13:53	10/22/25 14:55	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/21/25 13:53	10/22/25 14:55	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/21/25 13:53	10/22/25 14:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/21/25 07:44	10/21/25 20:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/22/25 21:48	1
Total Dissolved Solids (SM 2540C)	**2.50**		2.50	2.50	mg/L			10/20/25 14:01	1
pH (SM 4500 H+ B)	**7.3**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**22.3**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	21.2	U	22.1	22.2	50.0	24.2	pCi/L	10/21/25 09:43	11/11/25 01:24	1
Radium-228	13.2	U	29.9	29.9	50.0	49.9	pCi/L	10/21/25 09:43	11/11/25 01:24	1
Combined Radium 226 + 228	34.4	U	37.2	37.2		49.9	pCi/L	10/21/25 09:43	11/11/25 01:24	1

Client Sample ID: FB-1
Lab Sample ID: 870-40830-1
Date Collected: 10/13/25 13:10
Matrix: Water
Date Received: 10/16/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.132	U	0.195	0.195	1.00	0.333	pCi/L	10/21/25 08:47	11/17/25 23:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.270	U	0.382	0.382	1.00	0.642	pCi/L	10/21/25 08:51	11/17/25 12:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:26*	*1*
Y Carrier	*84.5*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:26*	*1*

Client Sample ID: AP PZ-1
Lab Sample ID: 870-40830-2
Date Collected: 10/14/25 08:25
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2610**		5.00	2.50	mg/L			10/23/25 01:41	10
Fluoride	**0.193**	**J**	0.500	0.100	mg/L			10/23/25 01:32	1
Sulfate	**1980**		5.00	2.00	mg/L			10/23/25 01:41	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.329**		0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 12:39	1
Calcium	**985**		10.0	5.08	mg/L		10/22/25 17:47	10/23/25 12:46	50
Magnesium	**176**		0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 12:39	1
Potassium	**60.7**		0.500	0.106	mg/L		10/22/25 17:47	10/23/25 12:39	1
Sodium	**1050**		25.0	7.59	mg/L		10/22/25 17:47	10/23/25 12:46	50
Lithium	**0.787**		0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.280**		0.0200	0.00549	mg/L		10/24/25 08:00	10/24/25 22:13	1
Antimony	**0.000897**	**J**	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 22:13	1
Arsenic	**0.00638**		0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 22:13	1
Barium	**0.0278**		0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 22:13	1
Beryllium	**0.00528**		0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 22:13	1
Cadmium	**0.00460**		0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 22:13	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 22:13	1
Cobalt	**0.0461**		0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 22:13	1
Iron	**1.21**		0.0200	0.00445	mg/L		10/24/25 08:00	10/24/25 22:13	1
Lead	**0.000668**	**J**	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 22:13	1
Molybdenum	**0.000470**	**J**	0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 22:13	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 22:13	1
Thallium	**0.00181**	**J**	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 22:13	1

Client Sample ID: AP PZ-1
Lab Sample ID: 870-40830-2
Date Collected: 10/14/25 08:25
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	6.47		4.00	4.00	mg/L			10/22/25 22:54	1
Total Dissolved Solids (SM 2540C)	5910		20.0	20.0	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	4.8	HF			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	23.6	HF			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	89.7		24.1	25.7	50.0	23.6	pCi/L	10/21/25 09:43	11/11/25 02:35	1
Radium-228	19.9	U	31.8	31.9	50.0	49.9	pCi/L	10/21/25 09:43	11/11/25 02:35	1
Combined Radium 226 + 228	110		39.9	41.0		49.9	pCi/L	10/21/25 09:43	11/11/25 02:35	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.33		0.481	0.525	1.00	0.364	pCi/L	10/21/25 08:47	11/17/25 23:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.1*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.56		1.13	1.43	1.00	0.738	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.1*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*73.6*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: FD-2
Lab Sample ID: 870-40830-3
Date Collected: 10/14/25 08:30
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610		5.00	2.50	mg/L			10/23/25 02:01	10
Fluoride	0.212	J	0.500	0.100	mg/L			10/23/25 01:51	1
Sulfate	1980		5.00	2.00	mg/L			10/23/25 02:01	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.395		0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 12:41	1
Calcium	498		10.0	5.08	mg/L		10/22/25 17:47	10/23/25 12:47	50
Magnesium	11.7		0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 12:41	1

Client Sample ID: FD-2
Lab Sample ID: 870-40830-3
Date Collected: 10/14/25 08:30
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**65.6**		0.500	0.106	mg/L		10/22/25 17:47	10/23/25 12:41	1
Sodium	**805**		25.0	7.59	mg/L		10/22/25 17:47	10/23/25 12:47	50
Lithium	**0.563**		0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0252**		0.0200	0.00549	mg/L		10/24/25 08:00	10/24/25 22:16	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 22:16	1
Arsenic	**0.00112**	**J**	0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 22:16	1
Barium	**0.231**		0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 22:16	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 22:16	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 22:16	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 22:16	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 22:16	1
Iron	**0.0177**	**J**	0.0200	0.00445	mg/L		10/24/25 08:00	10/24/25 22:16	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 22:16	1
Molybdenum	**0.00120**	**J**	0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 22:16	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 22:16	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 22:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**6.66**		4.00	4.00	mg/L			10/22/25 22:49	1
Total Dissolved Solids (SM 2540C)	**3580**		20.0	20.0	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	**8.4**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**22.5**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	10.9	U G	26.3	26.3	50.0	74.8	pCi/L	10/21/25 09:43	11/11/25 02:36	1
Radium-228	5.30	U G	34.8	34.8	50.0	58.4	pCi/L	10/21/25 09:43	11/11/25 02:36	1
Combined Radium 226 + 228	16.2	U	43.6	43.6		74.8	pCi/L	10/21/25 09:43	11/11/25 02:36	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.44**		0.468	0.518	1.00	0.303	pCi/L	10/21/25 08:47	11/17/25 23:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:33*	*1*

Client Sample ID: FD-2
Lab Sample ID: 870-40830-3
Date Collected: 10/14/25 08:30
Matrix: Water
Date Received: 10/16/25 10:30

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**9.16**		1.00	1.31	1.00	0.578	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*80.4*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: AP PZ-4
Lab Sample ID: 870-40830-4
Date Collected: 10/14/25 10:55
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2450**		5.00	2.50	mg/L			10/23/25 02:20	10
Fluoride	<0.100	U	0.500	0.100	mg/L			10/23/25 02:10	1
Sulfate	**115**		0.500	0.200	mg/L			10/23/25 02:10	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.294**		0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 12:43	1
Boron	**0.315**		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 17:03	1
Calcium	**885**		10.0	5.08	mg/L		10/22/25 17:47	10/23/25 12:49	50
Calcium	**1000**		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 17:08	50
Magnesium	**160**		0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 12:43	1
Magnesium	**177**		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 17:03	1
Potassium	**54.3**		0.500	0.106	mg/L		10/22/25 17:47	10/23/25 12:43	1
Potassium	**57.8**		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 17:03	1
Sodium	**940**		25.0	7.59	mg/L		10/22/25 17:47	10/23/25 12:49	50
Sodium	**1090**	**^2**	25.0	7.59	mg/L		11/21/25 09:00	11/21/25 17:08	50
Lithium	**0.713**		0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 12:43	1
Lithium	**0.624**		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.278**		0.0200	0.00549	mg/L		10/24/25 08:00	10/24/25 22:19	1
Aluminum	**0.261**		0.0200	0.00549	mg/L		11/18/25 18:14	11/19/25 21:02	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 22:19	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/18/25 18:14	11/19/25 21:02	1
Arsenic	**0.00595**		0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 22:19	1
Arsenic	**0.00689**		0.00400	0.000690	mg/L		11/18/25 18:14	11/19/25 21:02	1
Barium	**0.0271**		0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 22:19	1
Barium	**0.0225**		0.00400	0.00134	mg/L		11/18/25 18:14	11/19/25 21:02	1
Beryllium	**0.00536**		0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 22:19	1
Beryllium	**0.00574**		0.00200	0.000271	mg/L		11/18/25 18:14	11/19/25 21:02	1
Cadmium	**0.00436**		0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 22:19	1
Cadmium	**0.00509**		0.00200	0.000240	mg/L		11/18/25 18:14	11/19/25 21:02	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 22:19	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/18/25 18:14	11/19/25 21:02	1
Cobalt	**0.0433**		0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 22:19	1
Cobalt	**0.0471**		0.00200	0.000355	mg/L		11/18/25 18:14	11/19/25 21:02	1

Client Sample ID: AP PZ-4
Date Collected: 10/14/25 10:55
Date Received: 10/16/25 10:30

Lab Sample ID: 870-40830-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.11		0.0200	0.00445	mg/L		10/24/25 08:00	10/24/25 22:19	1
Iron	1.18		0.0200	0.00445	mg/L		11/18/25 18:14	11/19/25 21:02	1
Lead	0.000613	J	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 22:19	1
Lead	0.000641	J	0.00200	0.000367	mg/L		11/18/25 18:14	11/19/25 21:02	1
Molybdenum	0.000419	J	0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 22:19	1
Molybdenum	0.000388	J	0.00200	0.000255	mg/L		11/18/25 18:14	11/19/25 21:02	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 22:19	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/18/25 18:14	11/19/25 21:02	1
Thallium	0.00177	J	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 22:19	1
Thallium	0.00190	J	0.00200	0.000415	mg/L		11/18/25 18:14	11/19/25 21:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	13.9		4.00	4.00	mg/L			10/22/25 22:45	1
Total Dissolved Solids (SM 2540C)	4720		20.0	20.0	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	4.9	HF			SU			10/21/25 14:27	1
pH (SM 4500 H+ B)	7.4	HF			SU			11/18/25 17:27	1
Temperature (SM 4500 H+ B)	23.3	HF			Celsius			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	16.1	HF			Degrees C			11/18/25 17:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	70.6		27.2	28.1	50.0	29.3	pCi/L	10/21/25 09:43	11/11/25 02:36	1
Radium-228	17.4	U G	38.7	38.7	50.0	62.8	pCi/L	10/21/25 09:43	11/11/25 02:36	1
Combined Radium 226 + 228	88.0		47.3	47.8		62.8	pCi/L	10/21/25 09:43	11/11/25 02:36	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.659		0.310	0.315	1.00	0.371	pCi/L	10/21/25 08:47	11/17/25 23:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.5*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.96		0.654	0.678	1.00	0.807	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.5*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: AP MW-5D
Lab Sample ID: 870-40830-5
Date Collected: 10/14/25 13:10
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1580		5.00	2.50	mg/L			10/23/25 02:39	10
Fluoride	3.50		0.500	0.100	mg/L			10/23/25 02:29	1
Sulfate	3190		5.00	2.00	mg/L			10/23/25 02:39	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.21		0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 12:54	1
Calcium	520		10.0	5.08	mg/L		10/22/25 17:47	10/23/25 13:02	50
Magnesium	149		0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 12:54	1
Potassium	60.2		0.500	0.106	mg/L		10/22/25 17:47	10/23/25 12:54	1
Sodium	1010		25.0	7.59	mg/L		10/22/25 17:47	10/23/25 13:02	50
Lithium	0.974		0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	28.9		0.100	0.0275	mg/L		10/24/25 08:00	10/24/25 22:24	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 22:21	1
Arsenic	0.0129		0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 22:21	1
Barium	0.0154		0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 22:21	1
Beryllium	0.145		0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 22:21	1
Cadmium	0.00271		0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 22:21	1
Chromium	0.00172	J	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 22:21	1
Cobalt	0.0619		0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 22:21	1
Iron	8.35		0.100	0.0223	mg/L		10/24/25 08:00	10/24/25 22:24	5
Lead	0.000643	J	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 22:21	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 22:21	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 22:21	1
Thallium	0.000727	J	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 22:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/22/25 22:41	1
Total Dissolved Solids (SM 2540C)	4340		20.0	20.0	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	3.9	HF			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	22.7	HF			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-6.19	U G	15.2	15.2	50.0	58.2	pCi/L	10/21/25 09:43	11/11/25 03:19	1
Radium-228	12.3	U	28.9	28.9	50.0	47.0	pCi/L	10/21/25 09:43	11/11/25 03:19	1
Combined Radium 226 + 228	6.07	U	32.7	32.7		58.2	pCi/L	10/21/25 09:43	11/11/25 03:19	1

Client Sample ID: AP MW-5D
Lab Sample ID: 870-40830-5
Date Collected: 10/14/25 13:10
Matrix: Water
Date Received: 10/16/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.780		0.321	0.329	1.00	0.388	pCi/L	10/21/25 08:47	11/17/25 23:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.85		0.706	0.790	1.00	0.619	pCi/L	10/21/25 08:51	11/17/25 12:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:26*	*1*
Y Carrier	*78.1*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:26*	*1*

Client Sample ID: AP MW-1D
Lab Sample ID: 870-40830-6
Date Collected: 10/14/25 14:55
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.1		0.500	0.250	mg/L			10/23/25 03:08	1
Fluoride	0.744		0.500	0.100	mg/L			10/23/25 03:08	1
Sulfate	384		0.500	0.200	mg/L			10/23/25 03:08	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	4.12		0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 12:56	1
Calcium	51.8		0.200	0.102	mg/L		10/22/25 17:47	10/23/25 12:56	1
Magnesium	9.26		0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 12:56	1
Potassium	8.72		0.500	0.106	mg/L		10/22/25 17:47	10/23/25 12:56	1
Sodium	190		0.500	0.152	mg/L		10/22/25 17:47	10/23/25 12:56	1
Lithium	0.0197	J	0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0139	J	0.0200	0.00549	mg/L		10/24/25 08:00	10/24/25 22:27	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 22:27	1
Arsenic	0.0103		0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 22:27	1
Barium	0.0111		0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 22:27	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 22:27	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 22:27	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 22:27	1
Cobalt	0.00674		0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 22:27	1
Iron	0.0106	J	0.0200	0.00445	mg/L		10/24/25 08:00	10/24/25 22:27	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 22:27	1
Molybdenum	0.0308		0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 22:27	1
Selenium	0.00108	J	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 22:27	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 22:27	1

Client Sample ID: AP MW-1D
Lab Sample ID: 870-40830-6
Date Collected: 10/14/25 14:55
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	97.3		4.00	4.00	mg/L			10/22/25 22:25	1
Total Dissolved Solids (SM 2540C)	807		5.00	5.00	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	6.1	HF			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	23.7	HF			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	16.7	U	17.5	17.6	50.0	25.8	pCi/L	10/21/25 09:43	11/11/25 03:19	1
Radium-228	4.45	U G	7.83	7.85	50.0	59.6	pCi/L	10/21/25 09:43	11/11/25 03:19	1
Combined Radium 226 + 228	21.2	U	19.2	19.3		59.6	pCi/L	10/21/25 09:43	11/11/25 03:19	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.186	U	0.212	0.212	1.00	0.344	pCi/L	10/21/25 08:47	11/17/25 23:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.10		0.500	0.510	1.00	0.668	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*77.0*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: AP MW-7S
Lab Sample ID: 870-40830-7
Date Collected: 10/14/25 08:15
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	367		0.500	0.250	mg/L			10/23/25 03:46	1
Fluoride	2.35		0.500	0.100	mg/L			10/23/25 03:46	1
Sulfate	3240		5.00	2.00	mg/L			10/23/25 03:56	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.23		0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 12:57	1
Calcium	491		10.0	5.08	mg/L		10/22/25 17:47	10/23/25 13:06	50
Magnesium	141		0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 12:57	1

Client Sample ID: AP MW-7S
Lab Sample ID: 870-40830-7

Date Collected: 10/14/25 08:15
Matrix: Water

Date Received: 10/16/25 10:30

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**52.2**		0.500	0.106	mg/L		10/22/25 17:47	10/23/25 12:57	1
Sodium	**690**		25.0	7.59	mg/L		10/22/25 17:47	10/23/25 13:06	50
Lithium	**0.973**		0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5.28**		0.0200	0.00549	mg/L		10/24/25 08:00	10/24/25 22:30	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 22:30	1
Arsenic	**0.0126**		0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 22:30	1
Barium	**0.0275**		0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 22:30	1
Beryllium	**0.0844**		0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 22:30	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 22:30	1
Chromium	**0.000654**	**J**	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 22:30	1
Cobalt	**0.0544**		0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 22:30	1
Iron	**9.07**		0.0200	0.00445	mg/L		10/24/25 08:00	10/24/25 22:30	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 22:30	1
Molybdenum	**0.000341**	**J**	0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 22:30	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 22:30	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 22:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/22/25 22:22	1
Total Dissolved Solids (SM 2540C)	**4680**		20.0	20.0	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	**3.9**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**23.4**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-22.7	U G	23.6	23.7	50.0	75.5	pCi/L	10/21/25 09:43	11/11/25 03:44	1
Radium-228	16.8	U	27.3	27.4	50.0	43.1	pCi/L	10/21/25 09:43	11/11/25 03:44	1
Combined Radium 226 + 228	-5.95	U	36.1	36.2		75.5	pCi/L	10/21/25 09:43	11/11/25 03:44	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.968**		0.333	0.344	1.00	0.329	pCi/L	10/21/25 08:47	11/17/25 23:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.9*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:33*	*1*

Client Sample ID: AP MW-7S
Lab Sample ID: 870-40830-7
Date Collected: 10/14/25 08:15
Matrix: Water
Date Received: 10/16/25 10:30

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.04**		0.575	0.605	1.00	0.617	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.9*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*79.6*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: FB-2
Lab Sample ID: 870-40830-8
Date Collected: 10/14/25 10:20
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/23/25 04:05	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/23/25 04:05	1
Sulfate	**0.276**	**J**	0.500	0.200	mg/L			10/23/25 04:05	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 12:59	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/22/25 17:47	10/23/25 12:59	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 12:59	1
Potassium	**0.152**	**J**	0.500	0.106	mg/L		10/22/25 17:47	10/23/25 12:59	1
Sodium	**0.282**	**J**	0.500	0.152	mg/L		10/22/25 17:47	10/23/25 12:59	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/24/25 08:00	10/24/25 22:33	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 22:33	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 22:33	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 22:33	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 22:33	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 22:33	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 22:33	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 22:33	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/24/25 08:00	10/24/25 22:33	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 22:33	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 22:33	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 22:33	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 22:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/22/25 22:17	1
Total Dissolved Solids (SM 2540C)	**8.50**		2.50	2.50	mg/L			10/21/25 16:15	1

Client Sample ID: FB-2
Lab Sample ID: 870-40830-8
Date Collected: 10/14/25 10:20
Matrix: Water
Date Received: 10/16/25 10:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	5.3	HF			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	23.3	HF			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.78	U G	9.28	9.30	50.0	88.3	pCi/L	10/21/25 09:43	11/11/25 03:45	1
Radium-228	10.2	U G	42.4	42.4	50.0	72.1	pCi/L	10/21/25 09:43	11/11/25 03:45	1
Combined Radium 226 + 228	16.0	U	43.4	43.4		88.3	pCi/L	10/21/25 09:43	11/11/25 03:45	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00818	U	0.142	0.142	1.00	0.291	pCi/L	10/21/25 08:47	11/18/25 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.0*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.515	U	0.448	0.450	1.00	0.705	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.0*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*80.4*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: AP MW-4S
Lab Sample ID: 870-40830-9
Date Collected: 10/14/25 11:30
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		0.500	0.250	mg/L			10/23/25 04:24	1
Fluoride	0.387	J	0.500	0.100	mg/L			10/23/25 04:24	1
Sulfate	770		5.00	2.00	mg/L			10/23/25 04:34	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.43		0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 13:01	1
Calcium	130		0.200	0.102	mg/L		10/22/25 17:47	10/23/25 13:01	1
Magnesium	22.5		0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 13:01	1
Potassium	20.6		0.500	0.106	mg/L		10/22/25 17:47	10/23/25 13:01	1
Sodium	182		0.500	0.152	mg/L		10/22/25 17:47	10/23/25 13:01	1
Lithium	0.155		0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 13:01	1

Client Sample ID: AP MW-4S
Lab Sample ID: 870-40830-9

Date Collected: 10/14/25 11:30
Matrix: Water
Date Received: 10/16/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4.28**		0.100	0.0275	mg/L		10/24/25 08:00	10/24/25 22:39	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 22:36	1
Arsenic	**0.0102**		0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 22:36	1
Barium	**0.0178**		0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 22:36	1
Beryllium	**0.0164**		0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 22:36	1
Cadmium	**0.000323**	**J**	0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 22:36	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 22:36	1
Cobalt	**0.0407**		0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 22:36	1
Iron	**14.1**		0.100	0.0223	mg/L		10/24/25 08:00	10/24/25 22:39	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 22:36	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 22:36	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 22:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 22:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/22/25 21:58	1
Total Dissolved Solids (SM 2540C)	**1210**		5.00	5.00	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	**4.0**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**21.9**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.31	U G	8.81	8.82	50.0	76.6	pCi/L	10/21/25 09:43	11/11/25 03:44	1
Radium-228	-9.62	U G	28.6	28.7	50.0	52.4	pCi/L	10/21/25 09:43	11/11/25 03:44	1
Combined Radium 226 + 228	-6.32	U	29.9	30.0		76.6	pCi/L	10/21/25 09:43	11/11/25 03:44	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.494**		0.255	0.259	1.00	0.317	pCi/L	10/21/25 08:47	11/18/25 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.5*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.60**		0.635	0.652	1.00	0.842	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.5*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: AP MW-4S
Lab Sample ID: 870-40830-9
Date Collected: 10/14/25 11:30
Matrix: Water
Date Received: 10/16/25 10:30

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	78.5		30 - 110	10/21/25 08:51	11/17/25 12:27	1

Client Sample ID: AP MW-3D
Lab Sample ID: 870-40830-10
Date Collected: 10/14/25 13:35
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		0.500	0.250	mg/L			10/23/25 05:03	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/23/25 05:03	1
Sulfate	905		5.00	2.00	mg/L			10/23/25 05:12	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.53		0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 13:14	1
Calcium	192		0.200	0.102	mg/L		10/22/25 17:47	10/23/25 13:14	1
Magnesium	25.4		0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 13:14	1
Potassium	20.6		0.500	0.106	mg/L		10/22/25 17:47	10/23/25 13:14	1
Sodium	266		0.500	0.152	mg/L		10/22/25 17:47	10/23/25 13:14	1
Lithium	0.100		0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0817		0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:26	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:26	1
Arsenic	0.0107		0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:26	1
Barium	0.0308		0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:26	1
Beryllium	0.00125	J	0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:26	1
Cadmium	0.000341	J	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:26	1
Chromium	0.000933	J	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:26	1
Cobalt	0.0322		0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:26	1
Iron	3.38		0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:26	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:26	1
Molybdenum	0.00105	J	0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:26	1
Selenium	0.000913	J	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:26	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	29.6		4.00	4.00	mg/L			10/22/25 21:43	1
Total Dissolved Solids (SM 2540C)	1660		5.00	5.00	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	5.4	HF			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	23.0	HF			Celsius			10/21/25 14:27	1

Client Sample ID: AP MW-3D
Lab Sample ID: 870-40830-10
Date Collected: 10/14/25 13:35
Matrix: Water
Date Received: 10/16/25 10:30

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.552	U G	1.83	1.83	50.0	65.6	pCi/L	10/21/25 09:43	11/11/25 03:45	1
Radium-228	9.68	U G	40.9	40.9	50.0	65.5	pCi/L	10/21/25 09:43	11/11/25 03:45	1
Combined Radium 226 + 228	9.13	U	40.9	40.9		65.6	pCi/L	10/21/25 09:43	11/11/25 03:45	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.242	U	0.218	0.219	1.00	0.331	pCi/L	10/21/25 08:47	11/18/25 08:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.7*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.57**		0.630	0.647	1.00	0.828	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.7*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Client Sample ID: AP MW-1
Lab Sample ID: 870-40830-11
Date Collected: 10/14/25 15:10
Matrix: Water
Date Received: 10/16/25 10:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**255**		0.500	0.250	mg/L			10/23/25 05:22	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/23/25 05:22	1
Sulfate	**834**		5.00	2.00	mg/L			10/23/25 05:31	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.97**		0.250	0.0809	mg/L		10/23/25 09:30	10/23/25 18:14	5
Calcium	**152**		1.00	0.508	mg/L		10/23/25 09:30	10/23/25 18:14	5
Magnesium	**31.0**		1.00	0.222	mg/L		10/23/25 09:30	10/23/25 18:14	5
Potassium	**9.90**		2.50	0.530	mg/L		10/23/25 09:30	10/23/25 18:14	5
Sodium	**330**		2.50	0.759	mg/L		10/23/25 09:30	10/23/25 18:14	5
Lithium	<0.0868	U	0.200	0.0868	mg/L		10/23/25 09:30	10/23/25 18:14	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0186**	**J**	0.0200	0.00549	mg/L		10/24/25 09:00	10/25/25 00:29	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/25/25 00:29	1
Arsenic	**0.00381**	**J**	0.00400	0.000690	mg/L		10/24/25 09:00	10/25/25 00:29	1
Barium	**0.0479**		0.00400	0.00134	mg/L		10/24/25 09:00	10/25/25 00:29	1
Beryllium	**0.00481**		0.00200	0.000271	mg/L		10/24/25 09:00	10/25/25 00:29	1

Client Sample ID: AP MW-1
Lab Sample ID: 870-40830-11

Date Collected: 10/14/25 15:10
Matrix: Water
Date Received: 10/16/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/25/25 00:29	1
Chromium	**0.000707**	**J**	0.00400	0.000560	mg/L		10/24/25 09:00	10/25/25 00:29	1
Cobalt	**0.103**		0.00200	0.000355	mg/L		10/24/25 09:00	10/25/25 00:29	1
Iron	**3.03**		0.0200	0.00445	mg/L		10/24/25 09:00	10/25/25 00:29	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/25/25 00:29	1
Molybdenum	**0.00303**		0.00200	0.000255	mg/L		10/24/25 09:00	10/25/25 00:29	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/25/25 00:29	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/25/25 00:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**80.8**		4.00	4.00	mg/L			10/22/25 21:52	1
Total Dissolved Solids (SM 2540C)	**1670**		10.0	10.0	mg/L			10/21/25 16:15	1
pH (SM 4500 H+ B)	**5.8**	**HF**			SU			10/21/25 14:27	1
Temperature (SM 4500 H+ B)	**22.7**	**HF**			Celsius			10/21/25 14:27	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**28.6**		16.3	16.5	50.0	21.3	pCi/L	10/21/25 09:43	11/11/25 07:14	1
Radium-228	11.0	U	26.1	26.1	50.0	46.7	pCi/L	10/21/25 09:43	11/11/25 07:14	1
Combined Radium 226 + 228	39.6	U	30.8	30.9		46.7	pCi/L	10/21/25 09:43	11/11/25 07:14	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.890**		0.300	0.311	1.00	0.316	pCi/L	10/21/25 08:47	11/18/25 08:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*10/21/25 08:47*	*11/18/25 08:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.86**		0.718	0.801	1.00	0.680	pCi/L	10/21/25 08:51	11/17/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*
Y Carrier	*78.9*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:27*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-40830-1	FB-1	78.7
870-40830-2	AP PZ-1	80.1
870-40830-3	FD-2	85.8
870-40830-4	AP PZ-4	70.5
870-40830-5	AP MW-5D	86.6
870-40830-6	AP MW-1D	79.2
870-40830-7	AP MW-7S	77.9
870-40830-8	FB-2	74.0
870-40830-9	AP MW-4S	73.5
870-40830-10	AP MW-3D	66.7
870-40830-11	AP MW-1	89.3
LCS 160-741526/2-A	Lab Control Sample	82.0
LCSD 160-741526/3-A	Lab Control Sample Dup	83.9
MB 160-741526/1-A	Method Blank	83.1

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-40830-1	FB-1	78.7	84.5
870-40830-2	AP PZ-1	80.1	73.6
870-40830-3	FD-2	85.8	80.4
870-40830-4	AP PZ-4	70.5	81.5
870-40830-5	AP MW-5D	86.6	78.1
870-40830-6	AP MW-1D	79.2	77.0
870-40830-7	AP MW-7S	77.9	79.6
870-40830-8	FB-2	74.0	80.4
870-40830-9	AP MW-4S	73.5	78.5
870-40830-10	AP MW-3D	66.7	81.1
870-40830-11	AP MW-1	89.3	78.9
LCS 160-741527/2-A	Lab Control Sample	82.0	81.1
LCSD 160-741527/3-A	Lab Control Sample Dup	83.9	80.4
MB 160-741527/1-A	Method Blank	83.1	81.1

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-270236/3
Matrix: Water
Analysis Batch: 270236

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/22/25 12:26	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/22/25 12:26	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/22/25 12:26	1

Lab Sample ID: MB 860-270236/60
Matrix: Water
Analysis Batch: 270236

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			10/22/25 21:33	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/22/25 21:33	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/22/25 21:33	1

Lab Sample ID: LCS 860-270236/61
Matrix: Water
Analysis Batch: 270236

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.07		mg/L		101	90 - 110
Fluoride	10.0	9.632		mg/L		96	90 - 110
Sulfate	10.0	10.25		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-270236/5
Matrix: Water
Analysis Batch: 270236

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
Chloride	10.0	10.20		mg/L		102	90 - 110	0	20
Fluoride	10.0	9.744		mg/L		97	90 - 110	1	20
Sulfate	10.0	10.39		mg/L		104	90 - 110	0	20

Lab Sample ID: LCSD 860-270236/62
Matrix: Water
Analysis Batch: 270236

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
Chloride	10.0	10.21		mg/L		102	90 - 110	1	20
Fluoride	10.0	9.798		mg/L		98	90 - 110	2	20
Sulfate	10.0	10.35		mg/L		104	90 - 110	1	20

Lab Sample ID: LLCS 860-270236/64
Matrix: Water
Analysis Batch: 270236

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6449		mg/L		129	50 - 150
Fluoride	0.500	0.4824	J	mg/L		96	50 - 150
Sulfate	0.500	0.6036		mg/L		121	50 - 150

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-40830-6 MS
Matrix: Water
Analysis Batch: 270236

Client Sample ID: AP MW-1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.1		10.0	89.87	4	mg/L		97	90 - 110
Fluoride	0.744		10.0	10.77		mg/L		100	90 - 110
Sulfate	384		10.0	390.5	4	mg/L		68	90 - 110

Lab Sample ID: 870-40830-6 MSD
Matrix: Water
Analysis Batch: 270236

Client Sample ID: AP MW-1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.1		10.0	92.12	4	mg/L		120	90 - 110	2	15
Fluoride	0.744		10.0	10.97		mg/L		102	90 - 110	2	15
Sulfate	384		10.0	391.4	4	mg/L		77	90 - 110	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-270355/1-A
Matrix: Water
Analysis Batch: 270567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270355

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/22/25 17:47	10/23/25 11:58	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/22/25 17:47	10/23/25 11:58	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/22/25 17:47	10/23/25 11:58	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/22/25 17:47	10/23/25 11:58	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/22/25 17:47	10/23/25 11:58	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/22/25 17:47	10/23/25 11:58	1

Lab Sample ID: LCS 860-270355/2-A
Matrix: Water
Analysis Batch: 270567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270355

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.9890		mg/L		99	80 - 120
Calcium	25.0	25.10		mg/L		100	80 - 120
Magnesium	25.0	24.80		mg/L		99	80 - 120
Potassium	10.0	9.790		mg/L		98	80 - 120
Sodium	25.0	24.50		mg/L		98	80 - 120
Lithium	1.00	0.9520		mg/L		95	80 - 120

Lab Sample ID: LCSD 860-270355/3-A
Matrix: Water
Analysis Batch: 270567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270355

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	0.9830		mg/L		98	80 - 120	1	20
Calcium	25.0	25.10		mg/L		100	80 - 120	0	20
Magnesium	25.0	24.70		mg/L		99	80 - 120	0	20
Potassium	10.0	9.770		mg/L		98	80 - 120	0	20
Sodium	25.0	24.40		mg/L		98	80 - 120	0	20
Lithium	1.00	0.9530		mg/L		95	80 - 120	0	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-270464/1-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/23/25 09:30	10/23/25 17:06	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/23/25 09:30	10/23/25 17:06	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/23/25 09:30	10/23/25 17:06	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/23/25 09:30	10/23/25 17:06	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/23/25 09:30	10/23/25 17:06	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/23/25 09:30	10/23/25 17:06	1

Lab Sample ID: LCS 860-270464/2-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.60		mg/L		102	80 - 120
Magnesium	25.0	25.50		mg/L		102	80 - 120
Potassium	10.0	9.940		mg/L		99	80 - 120
Sodium	25.0	24.70		mg/L		99	80 - 120
Lithium	1.00	0.9590		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-270464/3-A
Matrix: Water
Analysis Batch: 270761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270464

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.000		mg/L		100	80 - 120	1	20
Calcium	25.0	25.50		mg/L		102	80 - 120	0	20
Magnesium	25.0	25.40		mg/L		102	80 - 120	0	20
Potassium	10.0	9.880		mg/L		99	80 - 120	1	20
Sodium	25.0	24.60		mg/L		98	80 - 120	0	20
Lithium	1.00	0.9600		mg/L		96	80 - 120	0	20

Lab Sample ID: MB 860-271099/1-A
Matrix: Water
Analysis Batch: 271468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		10/26/25 12:30	10/27/25 17:50	1
Calcium	<0.102	U	0.200	0.102	mg/L		10/26/25 12:30	10/27/25 17:50	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		10/26/25 12:30	10/27/25 17:50	1
Potassium	<0.106	U	0.500	0.106	mg/L		10/26/25 12:30	10/27/25 17:50	1
Sodium	<0.152	U	0.500	0.152	mg/L		10/26/25 12:30	10/27/25 17:50	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		10/26/25 12:30	10/27/25 17:50	1

Lab Sample ID: LCS 860-271099/2-A
Matrix: Water
Analysis Batch: 271468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.000		mg/L		100	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-271099/2-A
Matrix: Water
Analysis Batch: 271468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	25.0	25.40		mg/L		102	80 - 120
Magnesium	25.0	24.40		mg/L		98	80 - 120
Potassium	10.0	9.660		mg/L		97	80 - 120
Sodium	25.0	24.40		mg/L		98	80 - 120
Lithium	1.00	0.9480		mg/L		95	80 - 120

Lab Sample ID: LCSD 860-271099/3-A
Matrix: Water
Analysis Batch: 271468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 271099

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.000		mg/L		100	80 - 120	0	20
Calcium	25.0	25.40		mg/L		102	80 - 120	0	20
Magnesium	25.0	24.50		mg/L		98	80 - 120	0	20
Potassium	10.0	9.660		mg/L		97	80 - 120	0	20
Sodium	25.0	24.50		mg/L		98	80 - 120	0	20
Lithium	1.00	0.9430		mg/L		94	80 - 120	1	20

Lab Sample ID: MB 860-277457/1-A
Matrix: Water
Analysis Batch: 277842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 15:25	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/21/25 09:00	11/21/25 15:25	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 15:25	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/21/25 09:00	11/21/25 15:25	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/21/25 09:00	11/21/25 15:25	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 15:25	1

Lab Sample ID: LCS 860-277457/2-A
Matrix: Water
Analysis Batch: 277842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.80		mg/L		103	80 - 120
Magnesium	25.0	25.90		mg/L		104	80 - 120
Potassium	10.0	9.970		mg/L		100	80 - 120
Sodium	25.0	24.80		mg/L		99	80 - 120
Lithium	1.00	1.000		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-277457/3-A
Matrix: Water
Analysis Batch: 277842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277457

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.010		mg/L		101	80 - 120	0	20
Calcium	25.0	25.80		mg/L		103	80 - 120	0	20
Magnesium	25.0	25.90		mg/L		104	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-277457/3-A
Matrix: Water
Analysis Batch: 277842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277457

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium			10.0	9.970		mg/L		100	80 - 120	0	20
Sodium			25.0	24.80		mg/L		99	80 - 120	0	20
Lithium			1.00	0.9980		mg/L		100	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-269974/1-A
Matrix: Water
Analysis Batch: 270301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/21/25 13:53	10/22/25 13:07	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/21/25 13:53	10/22/25 13:07	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/21/25 13:53	10/22/25 13:07	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/21/25 13:53	10/22/25 13:07	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/21/25 13:53	10/22/25 13:07	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/21/25 13:53	10/22/25 13:07	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/21/25 13:53	10/22/25 13:07	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/21/25 13:53	10/22/25 13:07	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/21/25 13:53	10/22/25 13:07	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/21/25 13:53	10/22/25 13:07	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/21/25 13:53	10/22/25 13:07	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/21/25 13:53	10/22/25 13:07	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/21/25 13:53	10/22/25 13:07	1

Lab Sample ID: LCS 860-269974/2-A
Matrix: Water
Analysis Batch: 270301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269974

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum			0.500	0.5180		mg/L		104	80 - 120		
Antimony			0.100	0.09764		mg/L		98	80 - 120		
Arsenic			0.100	0.09992		mg/L		100	80 - 120		
Barium			0.100	0.09834		mg/L		98	80 - 120		
Beryllium			0.100	0.09868		mg/L		99	80 - 120		
Cadmium			0.100	0.09891		mg/L		99	80 - 120		
Chromium			0.100	0.09884		mg/L		99	80 - 120		
Cobalt			0.100	0.09877		mg/L		99	80 - 120		
Iron			0.500	0.4969		mg/L		99	80 - 120		
Lead			0.100	0.1007		mg/L		101	80 - 120		
Molybdenum			0.100	0.09416		mg/L		94	80 - 120		
Selenium			0.100	0.1020		mg/L		102	80 - 120		
Thallium			0.100	0.1025		mg/L		103	80 - 120		

Lab Sample ID: LCSD 860-269974/3-A
Matrix: Water
Analysis Batch: 270301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269974

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			0.500	0.4986		mg/L		100	80 - 120	4	20

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

Lab Sample ID: LCSD 860-269974/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 270301
Prep Batch: 269974

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.100	0.1004		mg/L		100	80 - 120	3	20
Arsenic	0.100	0.1007		mg/L		101	80 - 120	1	20
Barium	0.100	0.09863		mg/L		99	80 - 120	0	20
Beryllium	0.100	0.09893		mg/L		99	80 - 120	0	20
Cadmium	0.100	0.09966		mg/L		100	80 - 120	1	20
Chromium	0.100	0.09939		mg/L		99	80 - 120	1	20
Cobalt	0.100	0.09904		mg/L		99	80 - 120	0	20
Iron	0.500	0.4972		mg/L		99	80 - 120	0	20
Lead	0.100	0.1004		mg/L		100	80 - 120	0	20
Molybdenum	0.100	0.09437		mg/L		94	80 - 120	0	20
Selenium	0.100	0.1012		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1023		mg/L		102	80 - 120	0	20

Lab Sample ID: MB 860-270758/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 271022
Prep Batch: 270758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/24/25 08:00	10/24/25 21:02	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 08:00	10/24/25 21:02	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/24/25 08:00	10/24/25 21:02	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/24/25 08:00	10/24/25 21:02	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 08:00	10/24/25 21:02	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 08:00	10/24/25 21:02	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 08:00	10/24/25 21:02	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 08:00	10/24/25 21:02	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/24/25 08:00	10/24/25 21:02	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 08:00	10/24/25 21:02	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 08:00	10/24/25 21:02	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 08:00	10/24/25 21:02	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 08:00	10/24/25 21:02	1

Lab Sample ID: LCS 860-270758/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 271022
Prep Batch: 270758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4935		mg/L		99	80 - 120
Antimony	0.100	0.09122		mg/L		91	80 - 120
Arsenic	0.100	0.1000		mg/L		100	80 - 120
Barium	0.100	0.09985		mg/L		100	80 - 120
Beryllium	0.100	0.09603		mg/L		96	80 - 120
Cadmium	0.100	0.09807		mg/L		98	80 - 120
Chromium	0.100	0.1013		mg/L		101	80 - 120
Cobalt	0.100	0.1001		mg/L		100	80 - 120
Iron	0.500	0.4954		mg/L		99	80 - 120
Lead	0.100	0.1001		mg/L		100	80 - 120
Molybdenum	0.100	0.09583		mg/L		96	80 - 120
Selenium	0.100	0.09833		mg/L		98	80 - 120

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

Lab Sample ID: LCS 860-270758/2-A
Matrix: Water
Analysis Batch: 271022

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.1021		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-270758/3-A
Matrix: Water
Analysis Batch: 271022

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270758

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4952		mg/L		99	80 - 120	0	20
Antimony	0.100	0.09325		mg/L		93	80 - 120	2	20
Arsenic	0.100	0.09941		mg/L		99	80 - 120	1	20
Barium	0.100	0.1011		mg/L		101	80 - 120	1	20
Beryllium	0.100	0.09606		mg/L		96	80 - 120	0	20
Cadmium	0.100	0.09770		mg/L		98	80 - 120	0	20
Chromium	0.100	0.1008		mg/L		101	80 - 120	1	20
Cobalt	0.100	0.09974		mg/L		100	80 - 120	0	20
Iron	0.500	0.4940		mg/L		99	80 - 120	0	20
Lead	0.100	0.1007		mg/L		101	80 - 120	1	20
Molybdenum	0.100	0.09574		mg/L		96	80 - 120	0	20
Selenium	0.100	0.09887		mg/L		99	80 - 120	1	20
Thallium	0.100	0.1026		mg/L		103	80 - 120	0	20

Lab Sample ID: MB 860-270797/1-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		10/24/25 09:00	10/24/25 23:56	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		10/24/25 09:00	10/24/25 23:56	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		10/24/25 09:00	10/24/25 23:56	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		10/24/25 09:00	10/24/25 23:56	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		10/24/25 09:00	10/24/25 23:56	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		10/24/25 09:00	10/24/25 23:56	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		10/24/25 09:00	10/24/25 23:56	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		10/24/25 09:00	10/24/25 23:56	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		10/24/25 09:00	10/24/25 23:56	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		10/24/25 09:00	10/24/25 23:56	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		10/24/25 09:00	10/24/25 23:56	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		10/24/25 09:00	10/24/25 23:56	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		10/24/25 09:00	10/24/25 23:56	1

Lab Sample ID: LCS 860-270797/2-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4879		mg/L		98	80 - 120
Antimony	0.100	0.09651		mg/L		97	80 - 120
Arsenic	0.100	0.09800		mg/L		98	80 - 120
Barium	0.100	0.09858		mg/L		99	80 - 120

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

Lab Sample ID: LCS 860-270797/2-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.09612		mg/L		96	80 - 120
Cadmium	0.100	0.09928		mg/L		99	80 - 120
Chromium	0.100	0.09851		mg/L		99	80 - 120
Cobalt	0.100	0.09791		mg/L		98	80 - 120
Iron	0.500	0.4893		mg/L		98	80 - 120
Lead	0.100	0.09917		mg/L		99	80 - 120
Molybdenum	0.100	0.09657		mg/L		97	80 - 120
Selenium	0.100	0.09888		mg/L		99	80 - 120
Thallium	0.100	0.1016		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-270797/3-A
Matrix: Water
Analysis Batch: 271280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270797

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4904		mg/L		98	80 - 120	1	20
Antimony	0.100	0.09573		mg/L		96	80 - 120	1	20
Arsenic	0.100	0.09801		mg/L		98	80 - 120	0	20
Barium	0.100	0.09764		mg/L		98	80 - 120	1	20
Beryllium	0.100	0.09562		mg/L		96	80 - 120	1	20
Cadmium	0.100	0.09880		mg/L		99	80 - 120	0	20
Chromium	0.100	0.09866		mg/L		99	80 - 120	0	20
Cobalt	0.100	0.09787		mg/L		98	80 - 120	0	20
Iron	0.500	0.4875		mg/L		98	80 - 120	0	20
Lead	0.100	0.09856		mg/L		99	80 - 120	1	20
Molybdenum	0.100	0.09590		mg/L		96	80 - 120	1	20
Selenium	0.100	0.09862		mg/L		99	80 - 120	0	20
Thallium	0.100	0.1008		mg/L		101	80 - 120	1	20

Lab Sample ID: MB 860-276742/1-A
Matrix: Water
Analysis Batch: 277344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 276742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/18/25 18:14	11/19/25 20:25	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/18/25 18:14	11/19/25 20:25	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/18/25 18:14	11/19/25 20:25	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/18/25 18:14	11/19/25 20:25	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/18/25 18:14	11/19/25 20:25	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/18/25 18:14	11/19/25 20:25	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/18/25 18:14	11/19/25 20:25	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/18/25 18:14	11/19/25 20:25	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/18/25 18:14	11/19/25 20:25	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/18/25 18:14	11/19/25 20:25	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/18/25 18:14	11/19/25 20:25	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/18/25 18:14	11/19/25 20:25	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/18/25 18:14	11/19/25 20:25	1

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

Lab Sample ID: LCS 860-276742/2-A
Matrix: Water
Analysis Batch: 277344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4918		mg/L		98	80 - 120
Antimony	0.100	0.1010		mg/L		101	80 - 120
Arsenic	0.100	0.1023		mg/L		102	80 - 120
Barium	0.100	0.09842		mg/L		98	80 - 120
Beryllium	0.100	0.09463		mg/L		95	80 - 120
Cadmium	0.100	0.09861		mg/L		99	80 - 120
Chromium	0.100	0.1002		mg/L		100	80 - 120
Cobalt	0.100	0.09916		mg/L		99	80 - 120
Iron	0.500	0.4990		mg/L		100	80 - 120
Lead	0.100	0.1002		mg/L		100	80 - 120
Molybdenum	0.100	0.09857		mg/L		99	80 - 120
Selenium	0.100	0.1015		mg/L		101	80 - 120
Thallium	0.100	0.1029		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-276742/3-A
Matrix: Water
Analysis Batch: 277344

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 276742

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4938		mg/L		99	80 - 120	0	20
Antimony	0.100	0.1033		mg/L		103	80 - 120	2	20
Arsenic	0.100	0.1022		mg/L		102	80 - 120	0	20
Barium	0.100	0.09942		mg/L		99	80 - 120	1	20
Beryllium	0.100	0.09524		mg/L		95	80 - 120	1	20
Cadmium	0.100	0.09970		mg/L		100	80 - 120	1	20
Chromium	0.100	0.1011		mg/L		101	80 - 120	1	20
Cobalt	0.100	0.1009		mg/L		101	80 - 120	2	20
Iron	0.500	0.5052		mg/L		101	80 - 120	1	20
Lead	0.100	0.1005		mg/L		100	80 - 120	0	20
Molybdenum	0.100	0.1004		mg/L		100	80 - 120	2	20
Selenium	0.100	0.1009		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1034		mg/L		103	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-269828/1-A
Matrix: Water
Analysis Batch: 270090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269828

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/21/25 07:43	10/21/25 20:05	1

Lab Sample ID: LCS 860-269828/2-A
Matrix: Water
Analysis Batch: 270090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269828

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001846		mg/L		92	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 860-269828/3-A
Matrix: Water
Analysis Batch: 270090
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269828

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001895		mg/L		95	80 - 120	3	20

Lab Sample ID: MB 860-270423/1-A
Matrix: Water
Analysis Batch: 270741
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/23/25 07:50	10/23/25 19:01	1

Lab Sample ID: LCS 860-270423/2-A
Matrix: Water
Analysis Batch: 270741
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270423

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001983		mg/L		99	80 - 120		

Lab Sample ID: LCSD 860-270423/3-A
Matrix: Water
Analysis Batch: 270741
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270423

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001978		mg/L		99	80 - 120	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-270449/22
Matrix: Water
Analysis Batch: 270449
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/22/25 20:31	1

Lab Sample ID: MB 860-270449/53
Matrix: Water
Analysis Batch: 270449
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/22/25 23:15	1

Lab Sample ID: LCS 860-270449/23
Matrix: Water
Analysis Batch: 270449
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	242.4		mg/L		97	85 - 115		

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 860-270449/54
Matrix: Water
Analysis Batch: 270449

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	243.0		mg/L		97	85 - 115		

Lab Sample ID: LCSD 860-270449/24
Matrix: Water
Analysis Batch: 270449

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
Alkalinity			250	243.2		mg/L		97	85 - 115	0	20

Lab Sample ID: LCSD 860-270449/55
Matrix: Water
Analysis Batch: 270449

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
Alkalinity			250	243.5		mg/L		97	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-32811/1
Matrix: Water
Analysis Batch: 32811

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			10/20/25 14:00	1

Lab Sample ID: LCS 870-32811/2
Matrix: Water
Analysis Batch: 32811

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	866.0		mg/L		87	80 - 120		

Lab Sample ID: LCSD 870-32811/3
Matrix: Water
Analysis Batch: 32811

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
Total Dissolved Solids			1000	936.0		mg/L		94	80 - 120	8	10

Lab Sample ID: MB 870-32859/1
Matrix: Water
Analysis Batch: 32859

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			10/21/25 16:15	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 870-32859/2
Matrix: Water
Analysis Batch: 32859

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	972.0		mg/L		97	80 - 120		

Lab Sample ID: LCSD 870-32859/3
Matrix: Water
Analysis Batch: 32859

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
Total Dissolved Solids			1000	920.0		mg/L		92	80 - 120	5	10

Lab Sample ID: 870-40830-11 DU
Matrix: Water
Analysis Batch: 32859

Client Sample ID: AP MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1670			1802		mg/L				7	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-40830-10 DU
Matrix: Water
Analysis Batch: 32851

Client Sample ID: AP MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	5.4	HF		5.5		SU				0.6	20
Temperature	23.0	HF		23.1		Celsius				0.4	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-741535/1-A
Matrix: Water
Analysis Batch: 744924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741535

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	13.20	U	20.8	20.8	50.0	31.9	pCi/L	10/21/25 09:43	11/12/25 10:07	1
Radium-228	-0.9265	U G	34.9	34.9	50.0	59.9	pCi/L	10/21/25 09:43	11/12/25 10:07	1
Combined Radium 226 + 228	12.27	U	40.6	40.6		59.9	pCi/L	10/21/25 09:43	11/12/25 10:07	1

Lab Sample ID: LCS 160-741535/2-A
Matrix: Water
Analysis Batch: 744784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741535

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Americium-241			142000	140000		14400		423	pCi/L	98	75 - 125		
Cesium-137			37600	36850		3610		175	pCi/L	98	75 - 125		
Cobalt-60			50500	49000		4770		131	pCi/L	97	75 - 125		

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: 870-40830-1 DU
Matrix: Water
Analysis Batch: 744782

Client Sample ID: FB-1
Prep Type: Total/NA
Prep Batch: 741535

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	21.2	U		1.582	U G	2.56	50.0	95.7	pCi/L			0.79	1
Radium-228	13.2	U		-26.11	U G	31.0	50.0	89.4	pCi/L			0.65	1
Combined Radium 226 + 228	34.4	U		-24.53	U	31.1		95.7	pCi/L			0.86	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-741526/1-A
Matrix: Water
Analysis Batch: 745605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741526

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.006435	U	0.162	0.162	1.00	0.328	pCi/L	10/21/25 08:47	11/17/25 23:28	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*10/21/25 08:47*	*11/17/25 23:28*	*1*

Lab Sample ID: LCS 160-741526/2-A
Matrix: Water
Analysis Batch: 745610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741526

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.932		1.09	1.00	0.361	pCi/L	83	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.0*		*30 - 110*

Lab Sample ID: LCSD 160-741526/3-A
Matrix: Water
Analysis Batch: 745610

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741526

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.57	8.188		1.11	1.00	0.303	pCi/L	86	75 - 125	0.12	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*83.9*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-741527/1-A
Matrix: Water
Analysis Batch: 745609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741527

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.02538	U	0.368	0.368	1.00	0.676	pCi/L	10/21/25 08:51	11/17/25 12:25	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:25*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/21/25 08:51*	*11/17/25 12:25*	*1*

Lab Sample ID: LCS 160-741527/2-A
Matrix: Water
Analysis Batch: 745609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741527

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.92	7.895		1.21	1.00	0.607	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.0*		*30 - 110*
Y Carrier	*81.1*		*30 - 110*

Lab Sample ID: LCSD 160-741527/3-A
Matrix: Water
Analysis Batch: 745609

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741527

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.92	7.734		1.20	1.00	0.685	pCi/L	98	75 - 125	0.07	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*83.9*		*30 - 110*
Y Carrier	*80.4*		*30 - 110*

HPLC/IC

Analysis Batch: 270236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	9056A	
870-40830-2	AP PZ-1	Total/NA	Water	9056A	
870-40830-2	AP PZ-1	Total/NA	Water	9056A	
870-40830-3	FD-2	Total/NA	Water	9056A	
870-40830-3	FD-2	Total/NA	Water	9056A	
870-40830-4	AP PZ-4	Total/NA	Water	9056A	
870-40830-4	AP PZ-4	Total/NA	Water	9056A	
870-40830-5	AP MW-5D	Total/NA	Water	9056A	
870-40830-5	AP MW-5D	Total/NA	Water	9056A	
870-40830-6	AP MW-1D	Total/NA	Water	9056A	
870-40830-7	AP MW-7S	Total/NA	Water	9056A	
870-40830-7	AP MW-7S	Total/NA	Water	9056A	
870-40830-8	FB-2	Total/NA	Water	9056A	
870-40830-9	AP MW-4S	Total/NA	Water	9056A	
870-40830-9	AP MW-4S	Total/NA	Water	9056A	
870-40830-10	AP MW-3D	Total/NA	Water	9056A	
870-40830-10	AP MW-3D	Total/NA	Water	9056A	
870-40830-11	AP MW-1	Total/NA	Water	9056A	
870-40830-11	AP MW-1	Total/NA	Water	9056A	
MB 860-270236/3	Method Blank	Total/NA	Water	9056A	
MB 860-270236/60	Method Blank	Total/NA	Water	9056A	
LCS 860-270236/61	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-270236/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LCSD 860-270236/62	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-270236/64	Lab Control Sample	Total/NA	Water	9056A	
870-40830-6 MS	AP MW-1D	Total/NA	Water	9056A	
870-40830-6 MSD	AP MW-1D	Total/NA	Water	9056A	

Metals

Prep Batch: 269828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	7470A	
MB 860-269828/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-269828/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-269828/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 269974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	3010A	
MB 860-269974/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-269974/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-269974/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 270090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	7470A	269828
MB 860-269828/1-A	Method Blank	Total/NA	Water	7470A	269828
LCS 860-269828/2-A	Lab Control Sample	Total/NA	Water	7470A	269828
LCSD 860-269828/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	269828

Metals

Analysis Batch: 270301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	6020B	269974
MB 860-269974/1-A	Method Blank	Total/NA	Water	6020B	269974
LCS 860-269974/2-A	Lab Control Sample	Total/NA	Water	6020B	269974
LCSD 860-269974/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	269974

Prep Batch: 270355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-2	AP PZ-1	Total/NA	Water	3010A	
870-40830-3	FD-2	Total/NA	Water	3010A	
870-40830-4	AP PZ-4	Total/NA	Water	3010A	
870-40830-5	AP MW-5D	Total/NA	Water	3010A	
870-40830-6	AP MW-1D	Total/NA	Water	3010A	
870-40830-7	AP MW-7S	Total/NA	Water	3010A	
870-40830-8	FB-2	Total/NA	Water	3010A	
870-40830-9	AP MW-4S	Total/NA	Water	3010A	
870-40830-10	AP MW-3D	Total/NA	Water	3010A	
MB 860-270355/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270355/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270355/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 270423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-2	AP PZ-1	Total/NA	Water	7470A	
870-40830-3	FD-2	Total/NA	Water	7470A	
870-40830-4	AP PZ-4	Total/NA	Water	7470A	
870-40830-5	AP MW-5D	Total/NA	Water	7470A	
870-40830-6	AP MW-1D	Total/NA	Water	7470A	
870-40830-7	AP MW-7S	Total/NA	Water	7470A	
870-40830-8	FB-2	Total/NA	Water	7470A	
870-40830-9	AP MW-4S	Total/NA	Water	7470A	
870-40830-10	AP MW-3D	Total/NA	Water	7470A	
870-40830-11	AP MW-1	Total/NA	Water	7470A	
MB 860-270423/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-270423/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-270423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 270464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-11	AP MW-1	Total/NA	Water	3010A	
MB 860-270464/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270464/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270464/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 270567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-2	AP PZ-1	Total/NA	Water	6010D	270355
870-40830-2	AP PZ-1	Total/NA	Water	6010D	270355
870-40830-3	FD-2	Total/NA	Water	6010D	270355
870-40830-3	FD-2	Total/NA	Water	6010D	270355
870-40830-4	AP PZ-4	Total/NA	Water	6010D	270355
870-40830-4	AP PZ-4	Total/NA	Water	6010D	270355

Metals (Continued)

Analysis Batch: 270567 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-5	AP MW-5D	Total/NA	Water	6010D	270355
870-40830-5	AP MW-5D	Total/NA	Water	6010D	270355
870-40830-6	AP MW-1D	Total/NA	Water	6010D	270355
870-40830-7	AP MW-7S	Total/NA	Water	6010D	270355
870-40830-7	AP MW-7S	Total/NA	Water	6010D	270355
870-40830-8	FB-2	Total/NA	Water	6010D	270355
870-40830-9	AP MW-4S	Total/NA	Water	6010D	270355
870-40830-10	AP MW-3D	Total/NA	Water	6010D	270355
MB 860-270355/1-A	Method Blank	Total/NA	Water	6010D	270355
LCS 860-270355/2-A	Lab Control Sample	Total/NA	Water	6010D	270355
LCSD 860-270355/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	270355

Analysis Batch: 270741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-2	AP PZ-1	Total/NA	Water	7470A	270423
870-40830-3	FD-2	Total/NA	Water	7470A	270423
870-40830-4	AP PZ-4	Total/NA	Water	7470A	270423
870-40830-5	AP MW-5D	Total/NA	Water	7470A	270423
870-40830-6	AP MW-1D	Total/NA	Water	7470A	270423
870-40830-7	AP MW-7S	Total/NA	Water	7470A	270423
870-40830-8	FB-2	Total/NA	Water	7470A	270423
870-40830-9	AP MW-4S	Total/NA	Water	7470A	270423
870-40830-10	AP MW-3D	Total/NA	Water	7470A	270423
870-40830-11	AP MW-1	Total/NA	Water	7470A	270423
MB 860-270423/1-A	Method Blank	Total/NA	Water	7470A	270423
LCS 860-270423/2-A	Lab Control Sample	Total/NA	Water	7470A	270423
LCSD 860-270423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	270423

Prep Batch: 270758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-2	AP PZ-1	Total/NA	Water	3010A	
870-40830-3	FD-2	Total/NA	Water	3010A	
870-40830-4	AP PZ-4	Total/NA	Water	3010A	
870-40830-5	AP MW-5D	Total/NA	Water	3010A	
870-40830-6	AP MW-1D	Total/NA	Water	3010A	
870-40830-7	AP MW-7S	Total/NA	Water	3010A	
870-40830-8	FB-2	Total/NA	Water	3010A	
870-40830-9	AP MW-4S	Total/NA	Water	3010A	
MB 860-270758/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270758/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270758/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 270761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-11	AP MW-1	Total/NA	Water	6010D	270464
MB 860-270464/1-A	Method Blank	Total/NA	Water	6010D	270464
LCS 860-270464/2-A	Lab Control Sample	Total/NA	Water	6010D	270464
LCSD 860-270464/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	270464

Metals

Prep Batch: 270797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-10	AP MW-3D	Total/NA	Water	3010A	
870-40830-11	AP MW-1	Total/NA	Water	3010A	
MB 860-270797/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-270797/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-270797/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 271022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-2	AP PZ-1	Total/NA	Water	6020B	270758
870-40830-3	FD-2	Total/NA	Water	6020B	270758
870-40830-4	AP PZ-4	Total/NA	Water	6020B	270758
870-40830-5	AP MW-5D	Total/NA	Water	6020B	270758
870-40830-5	AP MW-5D	Total/NA	Water	6020B	270758
870-40830-6	AP MW-1D	Total/NA	Water	6020B	270758
870-40830-7	AP MW-7S	Total/NA	Water	6020B	270758
870-40830-8	FB-2	Total/NA	Water	6020B	270758
870-40830-9	AP MW-4S	Total/NA	Water	6020B	270758
870-40830-9	AP MW-4S	Total/NA	Water	6020B	270758
MB 860-270758/1-A	Method Blank	Total/NA	Water	6020B	270758
LCS 860-270758/2-A	Lab Control Sample	Total/NA	Water	6020B	270758
LCSD 860-270758/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	270758

Prep Batch: 271099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	3010A	
MB 860-271099/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-271099/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-271099/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 271280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-10	AP MW-3D	Total/NA	Water	6020B	270797
870-40830-11	AP MW-1	Total/NA	Water	6020B	270797
MB 860-270797/1-A	Method Blank	Total/NA	Water	6020B	270797
LCS 860-270797/2-A	Lab Control Sample	Total/NA	Water	6020B	270797
LCSD 860-270797/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	270797

Analysis Batch: 271468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	6010D	271099
MB 860-271099/1-A	Method Blank	Total/NA	Water	6010D	271099
LCS 860-271099/2-A	Lab Control Sample	Total/NA	Water	6010D	271099
LCSD 860-271099/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	271099

Prep Batch: 276742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-4	AP PZ-4	Total/NA	Water	3010A	
MB 860-276742/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-276742/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-276742/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Analysis Batch: 277344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-4	AP PZ-4	Total/NA	Water	6020B	276742
MB 860-276742/1-A	Method Blank	Total/NA	Water	6020B	276742
LCS 860-276742/2-A	Lab Control Sample	Total/NA	Water	6020B	276742
LCSD 860-276742/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	276742

Prep Batch: 277457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-4	AP PZ-4	Total/NA	Water	3010A	
MB 860-277457/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277457/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277457/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 277842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-4	AP PZ-4	Total/NA	Water	6010D	277457
870-40830-4	AP PZ-4	Total/NA	Water	6010D	277457
MB 860-277457/1-A	Method Blank	Total/NA	Water	6010D	277457
LCS 860-277457/2-A	Lab Control Sample	Total/NA	Water	6010D	277457
LCSD 860-277457/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	277457

General Chemistry

Analysis Batch: 32811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	SM 2540C	
MB 870-32811/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-32811/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-32811/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 32851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	SM 4500 H+ B	
870-40830-2	AP PZ-1	Total/NA	Water	SM 4500 H+ B	
870-40830-3	FD-2	Total/NA	Water	SM 4500 H+ B	
870-40830-4	AP PZ-4	Total/NA	Water	SM 4500 H+ B	
870-40830-5	AP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-40830-6	AP MW-1D	Total/NA	Water	SM 4500 H+ B	
870-40830-7	AP MW-7S	Total/NA	Water	SM 4500 H+ B	
870-40830-8	FB-2	Total/NA	Water	SM 4500 H+ B	
870-40830-9	AP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-40830-10	AP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-40830-11	AP MW-1	Total/NA	Water	SM 4500 H+ B	
870-40830-10 DU	AP MW-3D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 32859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-2	AP PZ-1	Total/NA	Water	SM 2540C	
870-40830-3	FD-2	Total/NA	Water	SM 2540C	
870-40830-4	AP PZ-4	Total/NA	Water	SM 2540C	
870-40830-5	AP MW-5D	Total/NA	Water	SM 2540C	
870-40830-6	AP MW-1D	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 32859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-7	AP MW-7S	Total/NA	Water	SM 2540C	
870-40830-8	FB-2	Total/NA	Water	SM 2540C	
870-40830-9	AP MW-4S	Total/NA	Water	SM 2540C	
870-40830-10	AP MW-3D	Total/NA	Water	SM 2540C	
870-40830-11	AP MW-1	Total/NA	Water	SM 2540C	
MB 870-32859/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-32859/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-32859/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-40830-11 DU	AP MW-1	Total/NA	Water	SM 2540C	

Analysis Batch: 270449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	SM 2320B	
870-40830-2	AP PZ-1	Total/NA	Water	SM 2320B	
870-40830-3	FD-2	Total/NA	Water	SM 2320B	
870-40830-4	AP PZ-4	Total/NA	Water	SM 2320B	
870-40830-5	AP MW-5D	Total/NA	Water	SM 2320B	
870-40830-6	AP MW-1D	Total/NA	Water	SM 2320B	
870-40830-7	AP MW-7S	Total/NA	Water	SM 2320B	
870-40830-8	FB-2	Total/NA	Water	SM 2320B	
870-40830-9	AP MW-4S	Total/NA	Water	SM 2320B	
870-40830-10	AP MW-3D	Total/NA	Water	SM 2320B	
870-40830-11	AP MW-1	Total/NA	Water	SM 2320B	
MB 860-270449/22	Method Blank	Total/NA	Water	SM 2320B	
MB 860-270449/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-270449/23	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 860-270449/54	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-270449/24	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 860-270449/55	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 276721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-4	AP PZ-4	Total/NA	Water	SM 4500 H+ B	

Rad

Prep Batch: 741526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	PrecSep-21	
870-40830-2	AP PZ-1	Total/NA	Water	PrecSep-21	
870-40830-3	FD-2	Total/NA	Water	PrecSep-21	
870-40830-4	AP PZ-4	Total/NA	Water	PrecSep-21	
870-40830-5	AP MW-5D	Total/NA	Water	PrecSep-21	
870-40830-6	AP MW-1D	Total/NA	Water	PrecSep-21	
870-40830-7	AP MW-7S	Total/NA	Water	PrecSep-21	
870-40830-8	FB-2	Total/NA	Water	PrecSep-21	
870-40830-9	AP MW-4S	Total/NA	Water	PrecSep-21	
870-40830-10	AP MW-3D	Total/NA	Water	PrecSep-21	
870-40830-11	AP MW-1	Total/NA	Water	PrecSep-21	
MB 160-741526/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-741526/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 741526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 160-741526/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 741527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	PrecSep_0	
870-40830-2	AP PZ-1	Total/NA	Water	PrecSep_0	
870-40830-3	FD-2	Total/NA	Water	PrecSep_0	
870-40830-4	AP PZ-4	Total/NA	Water	PrecSep_0	
870-40830-5	AP MW-5D	Total/NA	Water	PrecSep_0	
870-40830-6	AP MW-1D	Total/NA	Water	PrecSep_0	
870-40830-7	AP MW-7S	Total/NA	Water	PrecSep_0	
870-40830-8	FB-2	Total/NA	Water	PrecSep_0	
870-40830-9	AP MW-4S	Total/NA	Water	PrecSep_0	
870-40830-10	AP MW-3D	Total/NA	Water	PrecSep_0	
870-40830-11	AP MW-1	Total/NA	Water	PrecSep_0	
MB 160-741527/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-741527/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-741527/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 741535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-40830-1	FB-1	Total/NA	Water	Fill_Geo-21	
870-40830-2	AP PZ-1	Total/NA	Water	Fill_Geo-21	
870-40830-3	FD-2	Total/NA	Water	Fill_Geo-21	
870-40830-4	AP PZ-4	Total/NA	Water	Fill_Geo-21	
870-40830-5	AP MW-5D	Total/NA	Water	Fill_Geo-21	
870-40830-6	AP MW-1D	Total/NA	Water	Fill_Geo-21	
870-40830-7	AP MW-7S	Total/NA	Water	Fill_Geo-21	
870-40830-8	FB-2	Total/NA	Water	Fill_Geo-21	
870-40830-9	AP MW-4S	Total/NA	Water	Fill_Geo-21	
870-40830-10	AP MW-3D	Total/NA	Water	Fill_Geo-21	
870-40830-11	AP MW-1	Total/NA	Water	Fill_Geo-21	
MB 160-741535/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-741535/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-40830-1 DU	FB-1	Total/NA	Water	Fill_Geo-21	

Client Sample ID: FB-1
Lab Sample ID: 870-40830-1

Date Collected: 10/13/25 13:10
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1	0 mL	1.0 mL	270236	10/23/25 01:13	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	271099	10/26/25 12:30	MD	EET HOU
Total/NA	Analysis	6010D		1			271468	10/27/25 18:50	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	269974	10/21/25 13:53	MD	EET HOU
Total/NA	Analysis	6020B		1			270301	10/22/25 14:55	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	269828	10/21/25 07:44	AGR	EET HOU
Total/NA	Analysis	7470A		1			270090	10/21/25 20:38	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 21:48	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	32811	10/20/25 14:01	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744781	11/11/25 01:24	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.00 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745610	11/17/25 23:32	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.00 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:26	SWS	EET SL

Client Sample ID: AP PZ-1
Lab Sample ID: 870-40830-2

Date Collected: 10/14/25 08:25
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 01:32	RJD	EET HOU
Total/NA	Analysis	9056A		10			270236	10/23/25 01:41	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 12:39	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		50			270567	10/23/25 12:46	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271022	10/24/25 22:13	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:29	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 22:54	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744781	11/11/25 02:35	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.60 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745610	11/17/25 23:33	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.60 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: FD-2
Date Collected: 10/14/25 08:30
Date Received: 10/16/25 10:30

Lab Sample ID: 870-40830-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 01:51	RJD	EET HOU
Total/NA	Analysis	9056A		10			270236	10/23/25 02:01	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 12:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		50			270567	10/23/25 12:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271022	10/24/25 22:16	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:30	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 22:49	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744778	11/11/25 02:36	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.54 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745610	11/17/25 23:33	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.54 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: AP PZ-4
Date Collected: 10/14/25 10:55
Date Received: 10/16/25 10:30

Lab Sample ID: 870-40830-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 02:10	RJD	EET HOU
Total/NA	Analysis	9056A		10			270236	10/23/25 02:20	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 12:43	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		50			270567	10/23/25 12:49	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 17:03	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 17:08	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276742	11/18/25 18:14	MD	EET HOU
Total/NA	Analysis	6020B		1			277344	11/19/25 21:02	SHZ	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271022	10/24/25 22:19	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:32	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 22:45	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL

Lab Chronicle

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

Client Sample ID: AP PZ-4
Lab Sample ID: 870-40830-4
Date Collected: 10/14/25 10:55
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			276721	11/18/25 17:27	VS	EET HOU
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744808	11/11/25 02:36	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.26 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745610	11/17/25 23:33	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.26 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: AP MW-5D
Lab Sample ID: 870-40830-5
Date Collected: 10/14/25 13:10
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 02:29	RJD	EET HOU
Total/NA	Analysis	9056A		10			270236	10/23/25 02:39	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 12:54	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		50			270567	10/23/25 13:02	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271022	10/24/25 22:21	SHZ	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		5			271022	10/24/25 22:24	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:33	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 22:41	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744786	11/11/25 03:19	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.89 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745610	11/17/25 23:33	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.89 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:26	SWS	EET SL

Client Sample ID: AP MW-1D
Lab Sample ID: 870-40830-6
Date Collected: 10/14/25 14:55
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 03:08	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 12:56	JDM	EET HOU

Client Sample ID: AP MW-1D
Lab Sample ID: 870-40830-6

Date Collected: 10/14/25 14:55
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271022	10/24/25 22:27	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:34	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 22:25	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744784	11/11/25 03:19	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.38 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745610	11/17/25 23:33	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.38 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: AP MW-7S
Lab Sample ID: 870-40830-7

Date Collected: 10/14/25 08:15
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 03:46	RJD	EET HOU
Total/NA	Analysis	9056A		10			270236	10/23/25 03:56	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 12:57	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		50			270567	10/23/25 13:06	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271022	10/24/25 22:30	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:36	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 22:22	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744781	11/11/25 03:44	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.58 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745610	11/17/25 23:33	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.58 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: FB-2
Lab Sample ID: 870-40830-8

Date Collected: 10/14/25 10:20
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1	0 mL	1.0 mL	270236	10/23/25 04:05	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 12:59	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271022	10/24/25 22:33	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:23	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 22:17	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744782	11/11/25 03:45	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.03 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.03 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: AP MW-4S
Lab Sample ID: 870-40830-9

Date Collected: 10/14/25 11:30
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 04:24	RJD	EET HOU
Total/NA	Analysis	9056A		10			270236	10/23/25 04:34	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 13:01	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271022	10/24/25 22:36	SHZ	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270758	10/24/25 08:00	MD	EET HOU
Total/NA	Analysis	6020B		5			271022	10/24/25 22:39	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:25	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 21:58	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744778	11/11/25 03:44	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.55 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:03	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.55 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: AP MW-3D
Lab Sample ID: 870-40830-10

Date Collected: 10/14/25 13:35
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 05:03	RJD	EET HOU
Total/NA	Analysis	9056A		10			270236	10/23/25 05:12	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270355	10/22/25 17:47	MD	EET HOU
Total/NA	Analysis	6010D		1			270567	10/23/25 13:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:26	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:26	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 21:43	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744808	11/11/25 03:45	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.00 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:04	SWS	EET SL
Total/NA	Prep	PrecSep_0			1004.00 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Client Sample ID: AP MW-1
Lab Sample ID: 870-40830-11

Date Collected: 10/14/25 15:10
Matrix: Water
Date Received: 10/16/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			270236	10/23/25 05:22	RJD	EET HOU
Total/NA	Analysis	9056A		10			270236	10/23/25 05:31	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270464	10/23/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		5			270761	10/23/25 18:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	270797	10/24/25 09:00	MD	EET HOU
Total/NA	Analysis	6020B		1			271280	10/25/25 00:29	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	270423	10/23/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			270741	10/23/25 19:27	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			270449	10/22/25 21:52	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	32859	10/21/25 16:15	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			32851	10/21/25 14:27	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	741535	10/21/25 09:43	DC	EET SL
Total/NA	Analysis	901.1		1			744781	11/11/25 07:14	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.98 mL	1.0 g	741526	10/21/25 08:47	AMS	EET SL
Total/NA	Analysis	903.0		1			745773	11/18/25 08:02	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.98 mL	1.0 g	741527	10/21/25 08:51	AMS	EET SL
Total/NA	Analysis	904.0		1			745609	11/17/25 12:27	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

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
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
SM 4500 H+ B	pH	SM	EET HOU
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-40830-1	FB-1	Water	10/13/25 13:10	10/16/25 10:30	Texas
870-40830-2	AP PZ-1	Water	10/14/25 08:25	10/16/25 10:30	Texas
870-40830-3	FD-2	Water	10/14/25 08:30	10/16/25 10:30	Texas
870-40830-4	AP PZ-4	Water	10/14/25 10:55	10/16/25 10:30	Texas
870-40830-5	AP MW-5D	Water	10/14/25 13:10	10/16/25 10:30	Texas
870-40830-6	AP MW-1D	Water	10/14/25 14:55	10/16/25 10:30	Texas
870-40830-7	AP MW-7S	Water	10/14/25 08:15	10/16/25 10:30	Texas
870-40830-8	FB-2	Water	10/14/25 10:20	10/16/25 10:30	Texas
870-40830-9	AP MW-4S	Water	10/14/25 11:30	10/16/25 10:30	Texas
870-40830-10	AP MW-3D	Water	10/14/25 13:35	10/16/25 10:30	Texas
870-40830-11	AP MW-1	Water	10/14/25 15:10	10/16/25 10:30	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/22/2025 (Rev. 1)

Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14358-4772.1
Client Contact: Matt Barickman	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 1 of 4
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Mattison.Barickman@hdrinc.com	WO #:			
Project Name: Appendix III/IV	Project #: 87002063			
Site: GCSES	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Local Method	9056A_ORGFM_28D - (MOD) Local Method	6010D, 6020B, 7470A	6010D, 7470A	SM4500_H+ - pH and Temperature	2540C_Calcd - Local Method					Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	N	N	D	D	N	N						
FB-1	10/13/25	1310	G	Water			X	X	X	X	X	X		X	X					7	
AP PZ-1	10/14/25	0825	G	Water			X	X	X	X	X	X		X	X					7	
FD-2	10/14/25	0830	G	Water			X	X	X	X	X	X		X	X					7	
AP PZ-4	10/14/25	1055	G	Water			X	X	X	X	X	X		X	X					7	
AP MW-5D	10/14/25	1310	G	Water			X	X	X	X	X	X		X	X					7	
AP MW-1D	10/14/25	1455	G	Water			X	X	X	X	X	X		X	X					7	
AP MW-7S	10/14/25	0815	G	Water			X	X	X	X	X	X		X	X					7	
FB-2	10/14/25	1020	G	Water			X	X	X	X	X	X		X	X					7	
AP MW-4S	10/14/25	1130	G	Water			X	X	X	X	X	X		X	X					7	
AP MW-3D	10/14/25	1335	G	Water			X	X	X	X	X	X		X	X					7	
AP MW-1	10/14/25	1510	G	Water			X	X	X	X	X	X		X	X					7	

870-40830 Chain of Custody

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: 8850 5180 7888, 7889, 7903, 7871

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
W.R. CULLEN	10/15/25 1500		FedEx		
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 10/16/25 10:30	Company
Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: THm092 CF -0.2 0.6/0.4 0.8/0.6 0.6/0.4 0.2/0.0

Ver: 06/06/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9330.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-40830-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 10/23/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FB-1 (870-40830-1)	10/13/25	13:10 Central	G	Water			X	X	X	2	
AP PZ-1 (870-40830-2)	10/14/25	08:25 Central	G	Water			X	X	X	2	
FD-2 (870-40830-3)	10/14/25	08:30 Central	G	Water			X	X	X	2	
AP PZ-4 (870-40830-4)	10/14/25	10:55 Central	G	Water			X	X	X	2	
AP MW-5D (870-40830-5)	10/14/25	13:10 Central	G	Water			X	X	X	2	
AP MW-1D (870-40830-6)	10/14/25	14:55 Central	G	Water			X	X	X	2	
AP MW-7S (870-40830-7)	10/14/25	08:15 Central	G	Water			X	X	X	2	
FP-2 (870-40830-8)	10/14/25	10:20 Central	G	Water			X	X	X	2	
AP MW-4S (870-40830-9)	10/14/25	11:30 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements: FEDEX

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/17/25-1700		OCT 17 2025	0835 OCT 20 2025	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9330.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-40830-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 10/23/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP MW-3D (870-40830-10)	10/14/25	13:35 Central	G	Water			X	X	X	2	
AP MW-1 (870-40830-11)	10/14/25	15:10 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date: 10/17/25	Time: 1700	FEDEX	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				OCT 17 2025	0835 OCT 20 2025	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				Cheyenne Forrest		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9331 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-40830-1
Address: 4145 Greenbriar Dr	Due Date Requested: 10/22/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	2320B	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
FB-1 (870-40830-1)	10/13/25	13:10 Central	G	Water			X	X	X	X	3	
AP PZ-1 (870-40830-2)	10/14/25	08:25 Central	G	Water			X	X	X	X	3	
FD-2 (870-40830-3)	10/14/25	08:30 Central	G	Water			X	X	X	X	3	
AP PZ-4 (870-40830-4)	10/14/25	10:55 Central	G	Water			X	X	X	X	3	
AP MW-5D (870-40830-5)	10/14/25	13:10 Central	G	Water			X	X	X	X	3	
AP MW-1D (870-40830-6)	10/14/25	14:55 Central	G	Water			X	X	X	X	3	
AP MW-7S (870-40830-7)	10/14/25	08:15 Central	G	Water			X	X	X	X	3	
FP-2 (870-40830-8)	10/14/25	10:20 Central	G	Water			X	X	X	X	3	
AP MW-4S (870-40830-9)	10/14/25	11:30 Central	G	Water			X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements: TPX

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
AB	10/17/25-1700		OCT 17 2025		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10-18-25 0804	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.0° 12-168

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9331.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-40830-1
Address: 4145 Greenbriar Dr	Due Date Requested: 10/22/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Appendix III/IV	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	2320B	Total Number of containers	Special Instructions/Note:
Preservation Code:												
AP MW-3D (870-40830-10)	10/14/25	13:35 Central	G	Water			X	X	X	X	3	
AP MW-1 (870-40830-11)	10/14/25	15:10 Central	G	Water			X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
AD	10/17/25 1700		OCT 17 2025		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10-18-25 0800	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.0° IR-368

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40830-1
SDG Number:

Login Number: 40830
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40830-1
SDG Number:

Login Number: 40830
List Number: 2
Creator: Grandits, Corey

List Source: Eurofins Houston
List Creation: 10/18/25 10:07 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-40830-1
SDG Number:

Login Number: 40830
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 10/20/25 11:38 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

November 2025 Event

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Brad Woodard
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

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JOB DESCRIPTION

Semi-Annual CCR
1029148

JOB NUMBER

870-41591-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

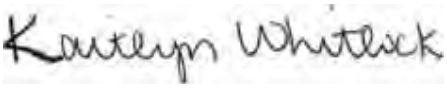
myEOL

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
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
870-41591-1

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 11/14/2025 10:26 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.0°C, 0.2°C, 0.2°C, 0.2°C and 0.4°C.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-277149 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9056A_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 860-277119 contained Sulfate above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 9056A_ORGFM_28D: Due to the high concentration of Chloride and Sulfate,the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-277149 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

Method 9056A_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 860-277149 contained Chloride above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

Metals
Method 6010D: The method blank for preparation batch 860-277720 and analytical batch 860-277983 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: AP MW-5 (870-41591-2). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: MNW-15 (870-41591-13). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: SSP MW-4 (870-41591-18). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: FD1 (870-41591-12). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: FD1 (870-41591-12). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: AP MW-1D (870-41591-1), AP MW-5 (870-41591-2), AP MW-4 (870-41591-3), AP MW-3 (870-41591-4), SSP MW-2 (870-41591-5), SSP/AP MW-1 (870-41591-6), FD2 (870-41591-7), SFL MW-5 (870-41591-8), MNW-18 (870-41591-9), SFL MW-7 (870-41591-10), SFL MW-3 (870-41591-11), FD1 (870-41591-12), MNW-15 (870-41591-13), SFL MW-4 (870-41591-14), SFL MW-2 (870-41591-15), SSP MW-3 (870-41591-16), EB1 (870-41591-17) and SSP MW-4 (870-41591-18).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 745769
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226 and Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-745769/1-A).

Method 901.1_Ra: Gamma Batch 745769
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
AP MW-5 (870-41591-2), AP MW-4 (870-41591-3), AP MW-3 (870-41591-4), SSP MW-2 (870-41591-5), SSP/AP MW-1 (870-41591-6), FD2 (870-41591-7), MNW-18 (870-41591-9), SFL MW-7 (870-41591-10), SFL MW-3 (870-41591-11), SFL MW-2 (870-41591-15), SSP MW-3 (870-41591-16), EB1 (870-41591-17) and SSP MW-4 (870-41591-18)

Method 901.1_Ra: Gamma Batch 745769
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

AP MW-1D (870-41591-1), AP MW-5 (870-41591-2), AP MW-4 (870-41591-3), AP MW-3 (870-41591-4), SSP MW-2 (870-41591-5), SSP/AP MW-1 (870-41591-6), FD2 (870-41591-7), SFL MW-5 (870-41591-8), MNW-18 (870-41591-9), SFL MW-7 (870-41591-10), SFL MW-3 (870-41591-11), FD1 (870-41591-12), MNW-15 (870-41591-13), SFL MW-4 (870-41591-14), SFL

Job ID: 870-41591-1 (Continued) Eurofins Dallas

MW-2 (870-41591-15), SSP MW-3 (870-41591-16), EB1 (870-41591-17), SSP MW-4 (870-41591-18) and (870-41591-A-1-B DU)

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

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

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: AP MW-1D

Date Collected: 11/11/25 15:05
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.6		0.500	0.250	mg/L			11/20/25 13:24	1
Fluoride	0.993		0.500	0.100	mg/L			11/20/25 13:24	1
Sulfate	385		0.500	0.200	mg/L			11/20/25 13:24	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	4.26		0.0500	0.0162	mg/L		11/22/25 10:36	11/24/25 13:24	1
Calcium	53.7		0.200	0.102	mg/L		11/22/25 10:36	11/24/25 13:24	1
Magnesium	9.45		0.200	0.0445	mg/L		11/22/25 10:36	11/24/25 13:24	1
Potassium	8.76		0.500	0.106	mg/L		11/22/25 10:36	11/24/25 13:24	1
Sodium	195		0.500	0.152	mg/L		11/22/25 10:36	11/24/25 13:24	1
Lithium	0.0280	J	0.0400	0.0174	mg/L		11/22/25 10:36	11/24/25 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.00705	J	0.0200	0.00549	mg/L		11/18/25 18:17	11/19/25 23:56	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/18/25 18:17	11/19/25 23:56	1
Arsenic	0.0112		0.00400	0.000690	mg/L		11/18/25 18:17	11/19/25 23:56	1
Barium	0.0102		0.00400	0.00134	mg/L		11/18/25 18:17	11/19/25 23:56	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/18/25 18:17	11/19/25 23:56	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/18/25 18:17	11/19/25 23:56	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/18/25 18:17	11/19/25 23:56	1
Cobalt	0.00703		0.00200	0.000355	mg/L		11/18/25 18:17	11/19/25 23:56	1
Iron	0.00876	J	0.0200	0.00445	mg/L		11/18/25 18:17	11/19/25 23:56	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/18/25 18:17	11/19/25 23:56	1
Molybdenum	0.0319		0.00200	0.000255	mg/L		11/18/25 18:17	11/19/25 23:56	1
Selenium	0.00132	J	0.00200	0.000590	mg/L		11/18/25 18:17	11/19/25 23:56	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/18/25 18:17	11/19/25 23:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	96.3		4.00	4.00	mg/L			11/17/25 12:49	1
Total Dissolved Solids (SM 2540C)	1110		5.00	5.00	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	5.8	HF			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	18.1	HF			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	23.6	U	16.0	16.1	50.0	24.1	pCi/L	11/18/25 10:10	12/09/25 03:43	1
Radium-228	12.9	U	24.9	24.9	50.0	40.2	pCi/L	11/18/25 10:10	12/09/25 03:43	1
Combined Radium 226 + 228	36.5	U	29.6	29.7		40.2	pCi/L	11/18/25 10:10	12/09/25 03:43	1

Client Sample ID: AP MW-1D

Date Collected: 11/11/25 15:05
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.171	U	0.226	0.227	1.00	0.379	pCi/L	11/18/25 07:54	12/11/25 18:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.17**		0.446	0.458	1.00	0.549	pCi/L	11/18/25 07:57	12/11/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:04*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:04*	*1*

Client Sample ID: AP MW-5

Date Collected: 11/11/25 16:25
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**598**		5.00	2.50	mg/L			11/20/25 13:51	10
Fluoride	**3.49**		0.500	0.100	mg/L			11/20/25 13:42	1
Sulfate	**3340**		5.00	2.00	mg/L			11/20/25 13:51	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.26**		0.0500	0.0162	mg/L		11/22/25 10:36	11/24/25 13:25	1
Calcium	**481**		0.200	0.102	mg/L		11/22/25 10:36	11/24/25 13:25	1
Magnesium	**132**		0.200	0.0445	mg/L		11/22/25 10:36	11/24/25 13:25	1
Potassium	**50.8**		0.500	0.106	mg/L		11/22/25 10:36	11/24/25 13:25	1
Sodium	**750**		25.0	7.59	mg/L		11/22/25 10:36	11/24/25 13:31	50
Lithium	**0.599**		0.0400	0.0174	mg/L		11/22/25 10:36	11/24/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**51.0**		0.200	0.0549	mg/L		11/18/25 18:17	11/20/25 00:02	10
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/18/25 18:17	11/19/25 23:59	1
Arsenic	**0.0169**		0.00400	0.000690	mg/L		11/18/25 18:17	11/19/25 23:59	1
Barium	**0.00589**		0.00400	0.00134	mg/L		11/18/25 18:17	11/19/25 23:59	1
Beryllium	**0.0982**		0.00200	0.000271	mg/L		11/18/25 18:17	11/19/25 23:59	1
Cadmium	**0.00773**		0.00200	0.000240	mg/L		11/18/25 18:17	11/19/25 23:59	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/18/25 18:17	11/19/25 23:59	1
Cobalt	**0.149**		0.00200	0.000355	mg/L		11/18/25 18:17	11/19/25 23:59	1
Iron	**3.39**		0.200	0.0445	mg/L		11/18/25 18:17	11/20/25 00:02	10
Lead	**0.00159**	**J**	0.00200	0.000367	mg/L		11/18/25 18:17	11/19/25 23:59	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/18/25 18:17	11/19/25 23:59	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/18/25 18:17	11/19/25 23:59	1
Thallium	**0.00270**		0.00200	0.000415	mg/L		11/18/25 18:17	11/19/25 23:59	1

Client Sample ID: AP MW-5

Date Collected: 11/11/25 16:25
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-2

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000807**		0.000200	0.0000706	mg/L		11/20/25 07:50	11/20/25 19:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/17/25 13:18	1
Total Dissolved Solids (SM 2540C)	**4570**		20.0	20.0	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	**3.4**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.6**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-16.9	U G	24.8	24.9	50.0	74.8	pCi/L	11/18/25 10:10	12/09/25 03:45	1
Radium-228	12.9	U	27.9	28.0	50.0	48.9	pCi/L	11/18/25 10:10	12/09/25 03:45	1
Combined Radium 226 + 228	-4.03	U	37.3	37.5		74.8	pCi/L	11/18/25 10:10	12/09/25 03:45	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.861**		0.301	0.311	1.00	0.284	pCi/L	11/18/25 07:54	12/11/25 18:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.30**		0.532	0.573	1.00	0.534	pCi/L	11/18/25 07:57	12/11/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:04*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:04*	*1*

Client Sample ID: AP MW-4

Date Collected: 11/11/25 16:55
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-3

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**429**		0.500	0.250	mg/L			11/20/25 14:00	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 14:00	1
Sulfate	**2490**		5.00	2.00	mg/L			11/20/25 14:10	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**2.65**		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:06	1
Calcium	**535**		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:12	50
Magnesium	**116**		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:06	1

Client Sample ID: AP MW-4

Date Collected: 11/11/25 16:55
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-3

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**53.9**		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:06	1
Sodium	**530**		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:12	50
Lithium	**0.882**		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0158**	**J**	0.0200	0.00549	mg/L		11/19/25 13:23	11/20/25 23:26	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:26	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:26	1
Barium	**0.0176**		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:26	1
Beryllium	**0.000334**	**J**	0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:26	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:26	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:26	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:26	1
Iron	**1.36**		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:26	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/19/25 13:23	11/20/25 23:26	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:26	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:26	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/19/25 13:23	11/20/25 23:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**67.6**		4.00	4.00	mg/L			11/17/25 13:12	1
Total Dissolved Solids (SM 2540C)	**3640**		20.0	20.0	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.4**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**30.2**		20.2	20.4	50.0	28.7	pCi/L	11/18/25 10:10	12/09/25 03:45	1
Radium-228	7.85	U G	30.1	30.1	50.0	50.6	pCi/L	11/18/25 10:10	12/09/25 03:45	1
Combined Radium 226 + 228	38.1	U	36.2	36.4		50.6	pCi/L	11/18/25 10:10	12/09/25 03:45	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.517**		0.277	0.281	1.00	0.348	pCi/L	11/18/25 07:54	12/11/25 18:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:13*	*1*

Client Sample ID: AP MW-4

Lab Sample ID: 870-41591-3

Date Collected: 11/11/25 16:55
Matrix: Water
Date Received: 11/14/25 10:26

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.76		0.536	0.560	1.00	0.610	pCi/L	11/18/25 07:57	12/11/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:05*	*1*
Y Carrier	*80.0*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:05*	*1*

Client Sample ID: AP MW-3

Lab Sample ID: 870-41591-4

Date Collected: 11/12/25 11:10
Matrix: Water
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		0.500	0.250	mg/L			11/20/25 14:19	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 14:19	1
Sulfate	677		5.00	2.00	mg/L			11/20/25 14:28	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	4.58		0.0500	0.0162	mg/L		11/22/25 10:36	11/24/25 13:27	1
Calcium	129		0.200	0.102	mg/L		11/22/25 10:36	11/24/25 13:27	1
Magnesium	19.6		0.200	0.0445	mg/L		11/22/25 10:36	11/24/25 13:27	1
Potassium	10.9		0.500	0.106	mg/L		11/22/25 10:36	11/24/25 13:27	1
Sodium	188		0.500	0.152	mg/L		11/22/25 10:36	11/24/25 13:27	1
Lithium	0.0660		0.0400	0.0174	mg/L		11/22/25 10:36	11/24/25 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0293		0.0200	0.00549	mg/L		11/18/25 18:17	11/20/25 00:12	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/18/25 18:17	11/20/25 00:12	1
Arsenic	0.00135	J	0.00400	0.000690	mg/L		11/18/25 18:17	11/20/25 00:12	1
Barium	0.0192		0.00400	0.00134	mg/L		11/18/25 18:17	11/20/25 00:12	1
Beryllium	0.00254		0.00200	0.000271	mg/L		11/18/25 18:17	11/20/25 00:12	1
Cadmium	0.00302		0.00200	0.000240	mg/L		11/18/25 18:17	11/20/25 00:12	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/18/25 18:17	11/20/25 00:12	1
Cobalt	0.0280		0.00200	0.000355	mg/L		11/18/25 18:17	11/20/25 00:12	1
Iron	0.0507		0.0200	0.00445	mg/L		11/18/25 18:17	11/20/25 00:12	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/18/25 18:17	11/20/25 00:12	1
Molybdenum	0.000434	J	0.00200	0.000255	mg/L		11/18/25 18:17	11/20/25 00:12	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/18/25 18:17	11/20/25 00:12	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/18/25 18:17	11/20/25 00:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000888		0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	10.1		4.00	4.00	mg/L			11/17/25 12:33	1
Total Dissolved Solids (SM 2540C)	1160		5.00	5.00	mg/L			11/17/25 17:27	1

Client Sample ID: AP MW-3

Lab Sample ID: 870-41591-4
Matrix: Water
Date Collected: 11/12/25 11:10
Date Received: 11/14/25 10:26

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	5.2	HF			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	18.3	HF			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	25.0	U	23.9	24.0	50.0	25.3	pCi/L	11/18/25 10:10	12/09/25 03:46	1
Radium-228	6.73	U G	34.9	34.9	50.0	58.5	pCi/L	11/18/25 10:10	12/09/25 03:46	1
Combined Radium 226 + 228	31.8	U	42.3	42.4		58.5	pCi/L	11/18/25 10:10	12/09/25 03:46	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.292	U	0.218	0.220	1.00	0.310	pCi/L	11/18/25 07:54	12/11/25 18:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.99		0.568	0.597	1.00	0.663	pCi/L	11/18/25 07:57	12/11/25 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:06*	*1*
Y Carrier	*79.6*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:06*	*1*

Client Sample ID: SSP MW-2

Lab Sample ID: 870-41591-5
Matrix: Water
Date Collected: 11/12/25 11:05
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2140		5.00	2.50	mg/L			11/20/25 14:46	10
Fluoride	0.508		0.500	0.100	mg/L			11/20/25 14:37	1
Sulfate	2650		5.00	2.00	mg/L			11/20/25 14:46	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.559		0.0500	0.0162	mg/L		11/22/25 10:36	11/24/25 13:28	1
Calcium	689		0.200	0.102	mg/L		11/22/25 10:36	11/24/25 13:28	1
Magnesium	168		0.200	0.0445	mg/L		11/22/25 10:36	11/24/25 13:28	1
Potassium	61.1		0.500	0.106	mg/L		11/22/25 10:36	11/24/25 13:28	1
Sodium	1010		25.0	7.59	mg/L		11/22/25 10:36	11/24/25 13:34	50
Lithium	0.687		0.0400	0.0174	mg/L		11/22/25 10:36	11/24/25 13:28	1

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: SSP MW-2

Date Collected: 11/12/25 11:05
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.90**		0.0200	0.00549	mg/L		11/18/25 18:17	11/20/25 00:15	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/18/25 18:17	11/20/25 00:15	1
Arsenic	**0.00572**		0.00400	0.000690	mg/L		11/18/25 18:17	11/20/25 00:15	1
Barium	**0.0149**		0.00400	0.00134	mg/L		11/18/25 18:17	11/20/25 00:15	1
Beryllium	**0.0613**		0.00200	0.000271	mg/L		11/18/25 18:17	11/20/25 00:15	1
Cadmium	**0.00109**	**J**	0.00200	0.000240	mg/L		11/18/25 18:17	11/20/25 00:15	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/18/25 18:17	11/20/25 00:15	1
Cobalt	**0.0628**		0.00200	0.000355	mg/L		11/18/25 18:17	11/20/25 00:15	1
Iron	**4.41**		0.0200	0.00445	mg/L		11/18/25 18:17	11/20/25 00:15	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/18/25 18:17	11/20/25 00:15	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/18/25 18:17	11/20/25 00:15	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/18/25 18:17	11/20/25 00:15	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/18/25 18:17	11/20/25 00:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/20/25 07:50	11/20/25 19:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**11.0**		4.00	4.00	mg/L			11/17/25 12:27	1
Total Dissolved Solids (SM 2540C)	**5630**		50.0	50.0	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	**4.8**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.3**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**39.1**		15.0	15.5	50.0	13.0	pCi/L	11/18/25 10:10	12/09/25 06:53	1
Radium-228	-1.36	U G	29.3	29.3	50.0	50.7	pCi/L	11/18/25 10:10	12/09/25 06:53	1
Combined Radium 226 + 228	37.8	U	32.9	33.1		50.7	pCi/L	11/18/25 10:10	12/09/25 06:53	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.884**		0.317	0.326	1.00	0.313	pCi/L	11/18/25 07:54	12/11/25 18:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.43**		0.666	0.737	1.00	0.597	pCi/L	11/18/25 07:57	12/11/25 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:06*	*1*

Client Sample ID: SSP MW-2

Lab Sample ID: 870-41591-5

Date Collected: 11/12/25 11:05
Matrix: Water
Date Received: 11/14/25 10:26

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	76.6		30 - 110	11/18/25 07:57	12/11/25 12:06	1

Client Sample ID: SSP/AP MW-1

Lab Sample ID: 870-41591-6

Date Collected: 11/12/25 11:10
Matrix: Water
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1740**		5.00	2.50	mg/L			11/20/25 15:22	10
Fluoride	**0.165**	**J**	0.500	0.100	mg/L			11/20/25 15:13	1
Sulfate	**3770**		5.00	2.00	mg/L			11/20/25 15:22	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.845**		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:07	1
Calcium	**670**		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:14	50
Magnesium	**258**		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:07	1
Potassium	**69.1**		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:07	1
Sodium	**1500**		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:14	50
Lithium	**1.65**		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00697**	**J**	0.0200	0.00549	mg/L		11/19/25 13:23	11/20/25 23:35	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:35	1
Arsenic	**0.00121**	**J**	0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:35	1
Barium	**0.0201**		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:35	1
Beryllium	**0.000716**	**J**	0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:35	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:35	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:35	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:35	1
Iron	**3.61**		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:35	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/19/25 13:23	11/20/25 23:35	1
Molybdenum	**0.000269**	**J**	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:35	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:35	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/19/25 13:23	11/20/25 23:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**68.8**		4.00	4.00	mg/L			11/19/25 12:12	1
Total Dissolved Solids (SM 2540C)	**8190**		50.0	50.0	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.4**	**HF**			Celsius			11/17/25 18:19	1

Client Sample ID: SSP/AP MW-1

Lab Sample ID: 870-41591-6
Date Collected: 11/12/25 11:10
Matrix: Water
Date Received: 11/14/25 10:26

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.890	U G	41.3	41.3	50.0	71.9	pCi/L	11/18/25 10:10	12/09/25 06:54	1
Radium-228	-6.22	U G	35.8	35.8	50.0	87.1	pCi/L	11/18/25 10:10	12/09/25 06:54	1
Combined Radium 226 + 228	-5.33	U	54.7	54.7		87.1	pCi/L	11/18/25 10:10	12/09/25 06:54	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.701**		0.307	0.314	1.00	0.366	pCi/L	11/18/25 07:54	12/11/25 18:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.11**		0.549	0.582	1.00	0.594	pCi/L	11/18/25 07:57	12/11/25 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:06*	*1*
Y Carrier	*77.8*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:06*	*1*

Client Sample ID: FD2

Lab Sample ID: 870-41591-7
Date Collected: 11/12/25 11:25
Matrix: Water
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		0.500	0.250	mg/L			11/20/25 15:31	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 15:31	1
Sulfate	**700**		5.00	2.00	mg/L			11/20/25 15:40	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**4.45**		0.0500	0.0162	mg/L		11/22/25 10:32	11/24/25 14:05	1
Calcium	**126**		0.200	0.102	mg/L		11/22/25 10:32	11/24/25 14:05	1
Magnesium	**19.1**		0.200	0.0445	mg/L		11/22/25 10:32	11/24/25 14:05	1
Potassium	**10.5**		0.500	0.106	mg/L		11/22/25 10:32	11/24/25 14:05	1
Sodium	**184**	**B**	0.500	0.152	mg/L		11/22/25 10:32	11/24/25 14:05	1
Lithium	**0.0484**		0.0400	0.0174	mg/L		11/22/25 10:32	11/24/25 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0253**		0.0200	0.00549	mg/L		11/19/25 13:23	11/20/25 23:38	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:38	1
Arsenic	**0.00139**	**J**	0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:38	1
Barium	**0.0193**		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:38	1
Beryllium	**0.00251**		0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:38	1

Client Sample ID: FD2

Date Collected: 11/12/25 11:25
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.00334**		0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:38	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:38	1
Cobalt	**0.0302**		0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:38	1
Iron	**0.0462**		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:38	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/19/25 13:23	11/20/25 23:38	1
Molybdenum	**0.000321**	**J**	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:38	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:38	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/19/25 13:23	11/20/25 23:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000915**		0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**10.1**		4.00	4.00	mg/L			11/19/25 12:46	1
Total Dissolved Solids (SM 2540C)	**1190**		5.00	5.00	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	**5.3**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.8**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**48.4**		19.7	20.3	50.0	25.2	pCi/L	11/18/25 10:10	12/09/25 06:58	1
Radium-228	-16.9	U G	28.4	28.4	50.0	59.6	pCi/L	11/18/25 10:10	12/09/25 06:58	1
Combined Radium 226 + 228	31.5	U	34.6	34.9		59.6	pCi/L	11/18/25 10:10	12/09/25 06:58	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.483**		0.290	0.293	1.00	0.395	pCi/L	11/18/25 07:54	12/11/25 18:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.22**		0.685	0.746	1.00	0.651	pCi/L	11/18/25 07:57	12/11/25 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:06*	*1*
Y Carrier	*75.1*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:06*	*1*

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: SFL MW-5

Date Collected: 11/12/25 13:10
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-8

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2950		5.00	2.50	mg/L			11/20/25 15:58	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 15:49	1
Sulfate	2480		5.00	2.00	mg/L			11/20/25 15:58	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	5.63		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:09	1
Calcium	850		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:15	50
Magnesium	147		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:09	1
Potassium	62.7		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:09	1
Sodium	1520		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:15	50
Lithium	0.588		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.476		0.0200	0.00549	mg/L		11/19/25 13:23	11/20/25 23:41	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:41	1
Arsenic	0.00166	J	0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:41	1
Barium	0.0156		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:41	1
Beryllium	0.00908		0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:41	1
Cadmium	0.00353		0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:41	1
Chromium	0.00290	J	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:41	1
Cobalt	0.0408		0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:41	1
Iron	0.486		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:41	1
Lead	0.000578	J	0.00200	0.000367	mg/L		11/19/25 13:23	11/20/25 23:41	1
Molybdenum	0.000293	J	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:41	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:41	1
Thallium	0.00119	J	0.00200	0.000415	mg/L		11/19/25 13:23	11/20/25 23:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000101	J	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/19/25 12:18	1
Total Dissolved Solids (SM 2540C)	8570		50.0	50.0	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	4.4	HF			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	19.5	HF			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	78.7		28.7	29.7	50.0	34.5	pCi/L	11/18/25 10:10	12/09/25 07:02	1
Radium-228	31.1	U	28.0	28.2	50.0	40.1	pCi/L	11/18/25 10:10	12/09/25 07:02	1
Combined Radium 226 + 228	110		40.1	41.0		40.1	pCi/L	11/18/25 10:10	12/09/25 07:02	1

Client Sample ID: SFL MW-5

Lab Sample ID: 870-41591-8
Matrix: Water
Date Collected: 11/12/25 13:10
Date Received: 11/14/25 10:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.53		0.621	0.698	1.00	0.398	pCi/L	11/18/25 07:54	12/11/25 18:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	12.4		1.21	1.66	1.00	0.625	pCi/L	11/18/25 07:57	12/11/25 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:07*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:07*	*1*

Client Sample ID: MNW-18

Lab Sample ID: 870-41591-9
Matrix: Water
Date Collected: 11/12/25 14:45
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		0.500	0.250	mg/L			11/20/25 16:07	1
Fluoride	0.129	J	0.500	0.100	mg/L			11/20/25 16:07	1
Sulfate	1240		5.00	2.00	mg/L			11/20/25 16:16	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.388		0.0500	0.0162	mg/L		11/22/25 10:36	11/24/25 13:39	1
Calcium	198		0.200	0.102	mg/L		11/22/25 10:36	11/24/25 13:39	1
Magnesium	31.0		0.200	0.0445	mg/L		11/22/25 10:36	11/24/25 13:39	1
Potassium	28.7		0.500	0.106	mg/L		11/22/25 10:36	11/24/25 13:39	1
Sodium	520		25.0	7.59	mg/L		11/22/25 10:36	11/24/25 13:47	50
Lithium	0.322		0.0400	0.0174	mg/L		11/22/25 10:36	11/24/25 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/20/25 10:00	11/20/25 18:34	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/20/25 10:00	11/20/25 18:34	1
Arsenic	0.000746	J	0.00400	0.000690	mg/L		11/20/25 10:00	11/20/25 18:34	1
Barium	0.0149		0.00400	0.00134	mg/L		11/20/25 10:00	11/20/25 18:34	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/20/25 10:00	11/20/25 18:34	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/20/25 10:00	11/20/25 18:34	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/20/25 10:00	11/20/25 18:34	1
Cobalt	0.000603	J	0.00200	0.000355	mg/L		11/20/25 10:00	11/20/25 18:34	1
Iron	0.181		0.0200	0.00445	mg/L		11/20/25 10:00	11/20/25 18:34	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/20/25 10:00	11/20/25 18:34	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/20/25 10:00	11/20/25 18:34	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/20/25 10:00	11/20/25 18:34	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/20/25 10:00	11/20/25 18:34	1

Client Sample ID: MNW-18

Lab Sample ID: 870-41591-9

Date Collected: 11/12/25 14:45
Matrix: Water
Date Received: 11/14/25 10:26

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/20/25 07:50	11/20/25 19:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	190		4.00	4.00	mg/L			11/19/25 11:18	1
Total Dissolved Solids (SM 2540C)	2170		10.0	10.0	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	6.8	HF			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	18.4	HF			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	110		28.0	30.0	50.0	28.1	pCi/L	11/18/25 10:10	12/09/25 07:03	1
Radium-228	15.9	U G	31.7	31.7	50.0	50.6	pCi/L	11/18/25 10:10	12/09/25 07:03	1
Combined Radium 226 + 228	126		42.3	43.6		50.6	pCi/L	11/18/25 10:10	12/09/25 07:03	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.533		0.314	0.318	1.00	0.431	pCi/L	11/18/25 07:54	12/11/25 18:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.971		0.399	0.409	1.00	0.496	pCi/L	11/18/25 07:57	12/11/25 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:07*	*1*
Y Carrier	*81.5*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:07*	*1*

Client Sample ID: SFL MW-7

Lab Sample ID: 870-41591-10

Date Collected: 11/12/25 15:00
Matrix: Water
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3170		5.00	2.50	mg/L			11/20/25 16:35	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 16:26	1
Sulfate	1020		5.00	2.00	mg/L			11/20/25 16:35	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.766		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:20	1
Calcium	745		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:29	50
Magnesium	104		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:20	1

Client Sample ID: SFL MW-7

Date Collected: 11/12/25 15:00
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-10

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**56.3**		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:20	1
Sodium	**1270**		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:29	50
Lithium	**0.344**		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0190**	**J**	0.0200	0.00549	mg/L		11/19/25 13:23	11/20/25 23:44	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:44	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:44	1
Barium	**0.0320**		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:44	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:44	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:44	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:44	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:44	1
Iron	**0.0803**		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:44	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/19/25 13:23	11/20/25 23:44	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:44	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:44	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/19/25 13:23	11/20/25 23:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**158**		4.00	4.00	mg/L			11/19/25 11:38	1
Total Dissolved Solids (SM 2540C)	**6710**		50.0	50.0	mg/L			11/17/25 17:27	1
pH (SM 4500 H+ B)	**6.3**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.0**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**65.7**		18.8	19.9	50.0	14.7	pCi/L	11/18/25 10:10	12/09/25 11:15	1
Radium-228	5.01	U G	17.0	17.0	50.0	56.5	pCi/L	11/18/25 10:10	12/09/25 11:15	1
Combined Radium 226 + 228	**70.7**		25.3	26.2		56.5	pCi/L	11/18/25 10:10	12/09/25 11:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.711**		0.368	0.373	1.00	0.465	pCi/L	11/18/25 07:54	12/11/25 18:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:23*	*1*

Client Sample ID: SFL MW-7

Lab Sample ID: 870-41591-10
Date Collected: 11/12/25 15:00
Matrix: Water
Date Received: 11/14/25 10:26

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.82		0.693	0.740	1.00	0.676	pCi/L	11/18/25 07:57	12/11/25 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:07*	*1*
Y Carrier	*81.9*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:07*	*1*

Client Sample ID: SFL MW-3

Lab Sample ID: 870-41591-11
Date Collected: 11/12/25 15:20
Matrix: Water
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	846		5.00	2.50	mg/L			11/20/25 18:07	10
Fluoride	0.558		0.500	0.100	mg/L			11/20/25 17:59	1
Sulfate	2550		5.00	2.00	mg/L			11/20/25 18:07	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	5.58		0.0500	0.0162	mg/L		11/22/25 10:36	11/24/25 13:41	1
Calcium	541		0.200	0.102	mg/L		11/22/25 10:36	11/24/25 13:41	1
Magnesium	98.0		0.200	0.0445	mg/L		11/22/25 10:36	11/24/25 13:41	1
Potassium	54.7		0.500	0.106	mg/L		11/22/25 10:36	11/24/25 13:41	1
Sodium	750		25.0	7.59	mg/L		11/22/25 10:36	11/24/25 13:48	50
Lithium	0.304		0.0400	0.0174	mg/L		11/22/25 10:36	11/24/25 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7.85		0.0200	0.00549	mg/L		11/20/25 10:00	11/20/25 18:37	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/20/25 10:00	11/20/25 18:37	1
Arsenic	0.00326	J	0.00400	0.000690	mg/L		11/20/25 10:00	11/20/25 18:37	1
Barium	0.0104		0.00400	0.00134	mg/L		11/20/25 10:00	11/20/25 18:37	1
Beryllium	0.0295		0.00200	0.000271	mg/L		11/20/25 10:00	11/20/25 18:37	1
Cadmium	0.00448		0.00200	0.000240	mg/L		11/20/25 10:00	11/20/25 18:37	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/20/25 10:00	11/20/25 18:37	1
Cobalt	0.0477		0.00200	0.000355	mg/L		11/20/25 10:00	11/20/25 18:37	1
Iron	1.65		0.0200	0.00445	mg/L		11/20/25 10:00	11/20/25 18:37	1
Lead	0.0172		0.00200	0.000367	mg/L		11/20/25 10:00	11/20/25 18:37	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/20/25 10:00	11/20/25 18:37	1
Selenium	0.00101	J	0.00200	0.000590	mg/L		11/20/25 10:00	11/20/25 18:37	1
Thallium	0.00549		0.00200	0.000415	mg/L		11/20/25 10:00	11/20/25 18:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/20/25 07:50	11/20/25 19:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/19/25 13:03	1
Total Dissolved Solids (SM 2540C)	4210		20.0	20.0	mg/L			11/19/25 18:06	1

Client Sample ID: SFL MW-3

Lab Sample ID: 870-41591-11
Matrix: Water
Date Collected: 11/12/25 15:20
Date Received: 11/14/25 10:26

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	3.8	HF			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	18.1	HF			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	33.2		23.4	23.6	50.0	32.2	pCi/L	11/18/25 10:10	12/09/25 11:17	1
Radium-228	-20.8	U G	30.9	31.0	50.0	106	pCi/L	11/18/25 10:10	12/09/25 11:17	1
Combined Radium 226 + 228	12.4	U	38.8	39.0		106	pCi/L	11/18/25 10:10	12/09/25 11:17	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.60		0.426	0.450	1.00	0.369	pCi/L	11/18/25 07:54	12/11/25 18:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.37		0.706	0.813	1.00	0.560	pCi/L	11/18/25 07:57	12/11/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:08*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:08*	*1*

Client Sample ID: FD1

Lab Sample ID: 870-41591-12
Matrix: Water
Date Collected: 11/12/25 15:45
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	850		5.00	2.50	mg/L			11/20/25 18:21	10
Fluoride	0.559		0.500	0.100	mg/L			11/20/25 18:14	1
Sulfate	2560		5.00	2.00	mg/L			11/20/25 18:21	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	5.37		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:22	1
Calcium	610		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:30	50
Magnesium	95.6		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:22	1
Potassium	53.7		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:22	1
Sodium	780		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:30	50
Lithium	0.210		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:22	1

Client Sample ID: FD1

Date Collected: 11/12/25 15:45
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7.97**		0.100	0.0275	mg/L		11/19/25 13:23	11/21/25 22:59	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:47	1
Arsenic	**0.00324**	**J**	0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:47	1
Barium	**0.0110**		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:47	1
Beryllium	**0.0296**		0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:47	1
Cadmium	**0.00432**		0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:47	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:47	1
Cobalt	**0.0472**		0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:47	1
Iron	**1.64**		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:47	1
Lead	**0.0177**		0.0100	0.00184	mg/L		11/19/25 13:23	11/21/25 12:48	5
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:47	1
Selenium	**0.000880**	**J**	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:47	1
Thallium	**0.00550**	**J**	0.0100	0.00208	mg/L		11/19/25 13:23	11/21/25 12:48	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000990**	**J**	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/19/25 11:24	1
Total Dissolved Solids (SM 2540C)	**4430**		20.0	20.0	mg/L			11/19/25 18:06	1
pH (SM 4500 H+ B)	**3.7**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.1**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**56.6**		27.5	28.1	50.0	33.8	pCi/L	11/18/25 10:10	12/09/25 11:18	1
Radium-228	17.0	U	31.5	31.5	50.0	47.1	pCi/L	11/18/25 10:10	12/09/25 11:18	1
Combined Radium 226 + 228	**73.7**		41.8	42.2		47.1	pCi/L	11/18/25 10:10	12/09/25 11:18	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.69**		0.409	0.436	1.00	0.299	pCi/L	11/18/25 07:54	12/11/25 18:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.34**		0.636	0.706	1.00	0.533	pCi/L	11/18/25 07:57	12/11/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:08*	*1*

Client Sample ID: FD1

Lab Sample ID: 870-41591-12
Matrix: Water
Date Collected: 11/12/25 15:45
Date Received: 11/14/25 10:26

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	78.1		30 - 110	11/18/25 07:57	12/11/25 12:08	1

Client Sample ID: MNW-15

Lab Sample ID: 870-41591-13
Matrix: Water
Date Collected: 11/12/25 16:35
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**774**		5.00	2.50	mg/L			11/20/25 18:51	10
Fluoride	**0.965**		0.500	0.100	mg/L			11/20/25 18:43	1
Sulfate	**1620**		5.00	2.00	mg/L			11/20/25 18:51	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**10.6**		0.0500	0.0162	mg/L		11/22/25 10:36	11/24/25 13:42	1
Calcium	**288**		0.200	0.102	mg/L		11/22/25 10:36	11/24/25 13:42	1
Magnesium	**60.8**		0.200	0.0445	mg/L		11/22/25 10:36	11/24/25 13:42	1
Potassium	**32.4**		0.500	0.106	mg/L		11/22/25 10:36	11/24/25 13:42	1
Sodium	**505**		25.0	7.59	mg/L		11/22/25 10:36	11/24/25 13:50	50
Lithium	**0.105**		0.0400	0.0174	mg/L		11/22/25 10:36	11/24/25 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26.5**		0.0200	0.00549	mg/L		11/20/25 10:00	11/20/25 18:40	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/20/25 10:00	11/20/25 18:40	1
Arsenic	**0.00832**		0.00400	0.000690	mg/L		11/20/25 10:00	11/20/25 18:40	1
Barium	**0.0131**		0.00400	0.00134	mg/L		11/20/25 10:00	11/20/25 18:40	1
Beryllium	**0.0736**		0.00200	0.000271	mg/L		11/20/25 10:00	11/20/25 18:40	1
Cadmium	**0.0426**		0.00200	0.000240	mg/L		11/20/25 10:00	11/20/25 18:40	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/20/25 10:00	11/20/25 18:40	1
Cobalt	**0.245**		0.00200	0.000355	mg/L		11/20/25 10:00	11/20/25 18:40	1
Iron	**20.1**		0.100	0.0223	mg/L		11/20/25 10:00	11/20/25 18:44	5
Lead	**0.00105**	**J**	0.00200	0.000367	mg/L		11/20/25 10:00	11/20/25 18:40	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/20/25 10:00	11/20/25 18:40	1
Selenium	**0.000740**	**J**	0.00200	0.000590	mg/L		11/20/25 10:00	11/20/25 18:40	1
Thallium	**0.00241**		0.00200	0.000415	mg/L		11/20/25 10:00	11/20/25 18:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/20/25 07:50	11/20/25 19:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/19/25 13:51	1
Total Dissolved Solids (SM 2540C)	**3180**		20.0	20.0	mg/L			11/19/25 18:06	1
pH (SM 4500 H+ B)	**3.5**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.2**	**HF**			Celsius			11/17/25 18:19	1

Client Sample ID: MNW-15

Date Collected: 11/12/25 16:35
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-13

Matrix: Water

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**58.0**		20.8	21.5	50.0	23.8	pCi/L	11/18/25 10:10	12/09/25 11:16	1
Radium-228	8.83	U	35.4	35.4	50.0	45.9	pCi/L	11/18/25 10:10	12/09/25 11:16	1
Combined Radium 226 + 228	**66.8**		41.1	41.4		45.9	pCi/L	11/18/25 10:10	12/09/25 11:16	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.305	U	0.264	0.266	1.00	0.401	pCi/L	11/18/25 07:54	12/11/25 18:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.4*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.40**		0.554	0.569	1.00	0.698	pCi/L	11/18/25 07:57	12/11/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.4*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:08*	*1*
Y Carrier	*74.8*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:08*	*1*

Client Sample ID: SFL MW-4

Date Collected: 11/12/25 17:10
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-14

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1810**		5.00	2.50	mg/L			11/20/25 19:06	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 18:58	1
Sulfate	**2870**		5.00	2.00	mg/L			11/20/25 19:06	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.906**		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:24	1
Calcium	**850**		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:32	50
Magnesium	**119**		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:24	1
Potassium	**63.5**		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:24	1
Sodium	**1050**		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:32	50
Lithium	**0.325**		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0147**	**J**	0.0200	0.00549	mg/L		11/19/25 13:23	11/20/25 23:50	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:50	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:50	1
Barium	**0.0179**		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:50	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:50	1

Client Sample ID: SFL MW-4

Date Collected: 11/12/25 17:10
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:50	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:50	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:50	1
Iron	**0.453**		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:50	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/19/25 13:23	11/20/25 23:50	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:50	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:50	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/19/25 13:23	11/20/25 23:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**169**		4.00	4.00	mg/L			11/19/25 12:52	1
Total Dissolved Solids (SM 2540C)	**5870**		20.0	20.0	mg/L			11/19/25 18:06	1
pH (SM 4500 H+ B)	**6.2**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.5**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**41.2**		21.3	21.7	50.0	28.7	pCi/L	11/18/25 10:10	12/09/25 11:17	1
Radium-228	4.25	U	28.8	28.8	50.0	48.9	pCi/L	11/18/25 10:10	12/09/25 11:17	1
Combined Radium 226 + 228	45.5	U	35.8	36.1		48.9	pCi/L	11/18/25 10:10	12/09/25 11:17	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.487	U	0.374	0.377	1.00	0.562	pCi/L	11/18/25 07:54	12/11/25 18:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.07**		0.649	0.676	1.00	0.751	pCi/L	11/18/25 07:57	12/11/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:08*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:08*	*1*

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: SFL MW-2

Date Collected: 11/13/25 09:45
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-15

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2770		5.00	2.50	mg/L			11/20/25 19:20	10
Fluoride	<1.00	U	5.00	1.00	mg/L			11/20/25 19:20	10
Sulfate	1600		5.00	2.00	mg/L			11/20/25 19:20	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.650		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:25	1
Calcium	735		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:34	50
Magnesium	97.9		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:25	1
Potassium	57.5		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:25	1
Sodium	1330		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:34	50
Lithium	0.369		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.374		0.0200	0.00549	mg/L		11/19/25 13:23	11/20/25 23:53	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:53	1
Arsenic	0.00123	J	0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:53	1
Barium	0.0187		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:53	1
Beryllium	0.00144	J	0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:53	1
Cadmium	0.000801	J	0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:53	1
Chromium	0.000595	J	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:53	1
Cobalt	0.0166		0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:53	1
Iron	0.119		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:53	1
Lead	0.000583	J	0.00200	0.000367	mg/L		11/19/25 13:23	11/20/25 23:53	1
Molybdenum	0.00116	J	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:53	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:53	1
Thallium	0.000510	J	0.00200	0.000415	mg/L		11/19/25 13:23	11/20/25 23:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 20:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	115		4.00	4.00	mg/L			11/19/25 12:06	1
Total Dissolved Solids (SM 2540C)	5430		20.0	20.0	mg/L			11/19/25 18:06	1
pH (SM 4500 H+ B)	6.2	HF			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	18.5	HF			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	63.1		21.9	22.8	50.0	23.5	pCi/L	11/18/25 10:10	12/09/25 13:41	1
Radium-228	6.79	U G	22.3	22.3	50.0	59.1	pCi/L	11/18/25 10:10	12/09/25 13:41	1
Combined Radium 226 + 228	69.9		31.3	31.9		59.1	pCi/L	11/18/25 10:10	12/09/25 13:41	1

Client Sample ID: SFL MW-2

Lab Sample ID: 870-41591-15
Matrix: Water
Date Collected: 11/13/25 09:45
Date Received: 11/14/25 10:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.32		0.640	0.673	1.00	0.631	pCi/L	11/18/25 07:54	12/11/25 18:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:23*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.12		1.12	1.29	1.00	0.897	pCi/L	11/18/25 07:57	12/11/25 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:16*	*1*
Y Carrier	*77.4*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:16*	*1*

Client Sample ID: SSP MW-3

Lab Sample ID: 870-41591-16
Matrix: Water
Date Collected: 11/13/25 12:05
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		5.00	2.50	mg/L			11/20/25 19:35	10
Fluoride	0.667	F1	0.500	0.100	mg/L			11/20/25 19:28	1
Sulfate	2710		5.00	2.00	mg/L			11/20/25 19:35	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.77		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:40	1
Calcium	705		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:48	50
Magnesium	143		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:40	1
Potassium	54.2		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:40	1
Sodium	1050		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:48	50
Lithium	0.450		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.75		0.0200	0.00549	mg/L		11/19/25 13:23	11/20/25 23:56	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/20/25 23:56	1
Arsenic	0.00730		0.00400	0.000690	mg/L		11/19/25 13:23	11/20/25 23:56	1
Barium	0.0156		0.00400	0.00134	mg/L		11/19/25 13:23	11/20/25 23:56	1
Beryllium	0.0970		0.00200	0.000271	mg/L		11/19/25 13:23	11/20/25 23:56	1
Cadmium	0.0404		0.00200	0.000240	mg/L		11/19/25 13:23	11/20/25 23:56	1
Chromium	0.00151	J	0.00400	0.000560	mg/L		11/19/25 13:23	11/20/25 23:56	1
Cobalt	0.428		0.00200	0.000355	mg/L		11/19/25 13:23	11/20/25 23:56	1
Iron	0.937		0.0200	0.00445	mg/L		11/19/25 13:23	11/20/25 23:56	1
Lead	0.00411		0.00200	0.000367	mg/L		11/19/25 13:23	11/20/25 23:56	1
Molybdenum	0.000613	J	0.00200	0.000255	mg/L		11/19/25 13:23	11/20/25 23:56	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/20/25 23:56	1
Thallium	0.00844		0.00200	0.000415	mg/L		11/19/25 13:23	11/20/25 23:56	1

Client Sample ID: SSP MW-3

Lab Sample ID: 870-41591-16

Date Collected: 11/13/25 12:05

Matrix: Water

Date Received: 11/14/25 10:26

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000239**		0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 21:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/19/25 12:58	1
Total Dissolved Solids (SM 2540C)	**5480**		20.0	20.0	mg/L			11/19/25 18:06	1
pH (SM 4500 H+ B)	**4.5**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.9**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.93	U G	48.1	48.1	50.0	83.0	pCi/L	11/18/25 10:10	12/09/25 13:42	1
Radium-228	24.8	U G	40.7	40.8	50.0	75.7	pCi/L	11/18/25 10:10	12/09/25 13:42	1
Combined Radium 226 + 228	27.7	U	63.0	63.1		83.0	pCi/L	11/18/25 10:10	12/09/25 13:42	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**6.10**		0.763	0.940	1.00	0.333	pCi/L	11/18/25 07:54	12/12/25 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*11/18/25 07:54*	*12/12/25 07:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**29.2**		1.91	3.29	1.00	0.753	pCi/L	11/18/25 07:57	12/11/25 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:16*	*1*
Y Carrier	*84.5*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:16*	*1*

Client Sample ID: EB1

Lab Sample ID: 870-41591-17

Date Collected: 11/13/25 13:25

Matrix: Water

Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.50**		0.500	0.250	mg/L			11/20/25 20:12	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 20:12	1
Sulfate	**5.22**		0.500	0.200	mg/L			11/20/25 20:12	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:27	1
Calcium	**0.125**	**J**	0.200	0.102	mg/L		11/21/25 09:00	11/21/25 16:27	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:27	1

Client Sample ID: EB1

Date Collected: 11/13/25 13:25
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-17

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.321**	**J**	0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:27	1
Sodium	**0.849**		0.500	0.152	mg/L		11/21/25 09:00	11/21/25 16:27	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/19/25 13:23	11/21/25 00:00	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:23	11/21/25 00:00	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/19/25 13:23	11/21/25 00:00	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/19/25 13:23	11/21/25 00:00	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/19/25 13:23	11/21/25 00:00	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/19/25 13:23	11/21/25 00:00	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:23	11/21/25 00:00	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/19/25 13:23	11/21/25 00:00	1
Iron	**0.00558**	**J**	0.0200	0.00445	mg/L		11/19/25 13:23	11/21/25 00:00	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/19/25 13:23	11/21/25 00:00	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/19/25 13:23	11/21/25 00:00	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:23	11/21/25 00:00	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/19/25 13:23	11/21/25 00:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 21:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/19/25 11:56	1
Total Dissolved Solids (SM 2540C)	**4.00**		2.50	2.50	mg/L			11/19/25 18:06	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	**18.4**	**HF**			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	24.0	U	17.9	18.0	50.0	25.0	pCi/L	11/18/25 10:10	12/09/25 13:42	1
Radium-228	9.26	U G	33.2	33.2	50.0	50.6	pCi/L	11/18/25 10:10	12/09/25 13:42	1
Combined Radium 226 + 228	33.3	U	37.7	37.8		50.6	pCi/L	11/18/25 10:10	12/09/25 13:42	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00757	U	0.112	0.112	1.00	0.246	pCi/L	11/18/25 07:54	12/12/25 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.6*		*30 - 110*	*11/18/25 07:54*	*12/12/25 07:41*	*1*

Client Sample ID: EB1

Lab Sample ID: 870-41591-17

Date Collected: 11/13/25 13:25
Matrix: Water
Date Received: 11/14/25 10:26

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.21		0.494	0.506	1.00	0.637	pCi/L	11/18/25 07:57	12/11/25 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.6*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:17*	*1*
Y Carrier	*77.8*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:17*	*1*

Client Sample ID: SSP MW-4

Lab Sample ID: 870-41591-18

Date Collected: 11/13/25 15:20
Matrix: Water
Date Received: 11/14/25 10:26

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		5.00	2.50	mg/L			11/20/25 20:34	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 20:27	1
Sulfate	1320		5.00	2.00	mg/L			11/20/25 20:34	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.37		0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 16:42	1
Calcium	445		10.0	5.08	mg/L		11/21/25 09:00	11/21/25 16:50	50
Magnesium	86.6		0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 16:42	1
Potassium	63.8		0.500	0.106	mg/L		11/21/25 09:00	11/21/25 16:42	1
Sodium	755		25.0	7.59	mg/L		11/21/25 09:00	11/21/25 16:50	50
Lithium	0.920		0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0174	J	0.0200	0.00549	mg/L		11/19/25 13:25	11/20/25 19:43	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:25	11/20/25 19:43	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/19/25 13:25	11/20/25 19:43	1
Barium	0.0171		0.00400	0.00134	mg/L		11/19/25 13:25	11/20/25 19:43	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/19/25 13:25	11/20/25 19:43	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/19/25 13:25	11/20/25 19:43	1
Chromium	0.00198	J	0.00400	0.000560	mg/L		11/19/25 13:25	11/20/25 19:43	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/19/25 13:25	11/20/25 19:43	1
Iron	0.746		0.0200	0.00445	mg/L		11/19/25 13:25	11/20/25 19:43	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		11/19/25 13:25	11/20/25 19:46	5
Molybdenum	0.000813	J	0.00200	0.000255	mg/L		11/19/25 13:25	11/20/25 19:43	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:25	11/20/25 19:43	1
Thallium	<0.00208	U	0.0100	0.00208	mg/L		11/19/25 13:25	11/20/25 19:46	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 21:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	179		4.00	4.00	mg/L			11/19/25 12:23	1
Total Dissolved Solids (SM 2540C)	3560		20.0	20.0	mg/L			11/19/25 18:06	1

Client Sample ID: SSP MW-4

Date Collected: 11/13/25 15:20
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-18

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	6.2	HF			SU			11/17/25 18:19	1
Temperature (SM 4500 H+ B)	18.1	HF			Celsius			11/17/25 18:19	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-6.78	U G	18.9	18.9	50.0	58.0	pCi/L	11/18/25 10:10	12/09/25 13:41	1
Radium-228	12.7	U	26.3	26.4	50.0	48.5	pCi/L	11/18/25 10:10	12/09/25 13:41	1
Combined Radium 226 + 228	5.94	U	32.4	32.5		58.0	pCi/L	11/18/25 10:10	12/09/25 13:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.720		0.285	0.292	1.00	0.338	pCi/L	11/18/25 07:54	12/12/25 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*11/18/25 07:54*	*12/12/25 07:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.20		0.746	0.840	1.00	0.665	pCi/L	11/18/25 07:57	12/11/25 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:17*	*1*
Y Carrier	*78.9*		*30 - 110*	*11/18/25 07:57*	*12/11/25 12:17*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-41591-1	AP MW-1D	86.4
870-41591-2	AP MW-5	93.3
870-41591-3	AP MW-4	82.2
870-41591-4	AP MW-3	88.3
870-41591-5	SSP MW-2	88.6
870-41591-6	SSP/AP MW-1	91.9
870-41591-7	FD2	83.6
870-41591-8	SFL MW-5	77.4
870-41591-9	MNW-18	86.4
870-41591-10	SFL MW-7	85.5
870-41591-11	SFL MW-3	90.3
870-41591-12	FD1	89.4
870-41591-13	MNW-15	74.4
870-41591-14	SFL MW-4	89.4
870-41591-15	SFL MW-2	82.2
870-41591-16	SSP MW-3	90.5
870-41591-17	EB1	81.6
870-41591-18	SSP MW-4	86.9
LCS 160-745745/2-A	Lab Control Sample	86.1
MB 160-745745/1-A	Method Blank	89.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-41591-1	AP MW-1D	86.4	80.7
870-41591-2	AP MW-5	93.3	82.6
870-41591-3	AP MW-4	82.2	80.0
870-41591-4	AP MW-3	88.3	79.6
870-41591-5	SSP MW-2	88.6	76.6
870-41591-6	SSP/AP MW-1	91.9	77.8
870-41591-7	FD2	83.6	75.1
870-41591-8	SFL MW-5	77.4	80.7
870-41591-9	MNW-18	86.4	81.5
870-41591-10	SFL MW-7	85.5	81.9
870-41591-11	SFL MW-3	90.3	81.1
870-41591-12	FD1	89.4	78.1
870-41591-13	MNW-15	74.4	74.8
870-41591-14	SFL MW-4	89.4	81.1
870-41591-15	SFL MW-2	82.2	77.4
870-41591-16	SSP MW-3	90.5	84.5
870-41591-17	EB1	81.6	77.8
870-41591-18	SSP MW-4	86.9	78.9
LCS 160-745746/2-A	Lab Control Sample	86.1	84.5
MB 160-745746/1-A	Method Blank	89.7	81.5

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-277119/3
Matrix: Water
Analysis Batch: 277119

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			11/20/25 09:55	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 09:55	1
Sulfate	<0.200	U	0.500	0.200	mg/L			11/20/25 09:55	1

Lab Sample ID: LCS 860-277119/4
Matrix: Water
Analysis Batch: 277119

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.915		mg/L		99	90 - 110
Fluoride	10.0	9.479		mg/L		95	90 - 110
Sulfate	10.0	10.08		mg/L		101	90 - 110

Lab Sample ID: LCSD 860-277119/5
Matrix: Water
Analysis Batch: 277119

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
Chloride	10.0	10.27		mg/L		103	90 - 110	4	20
Fluoride	10.0	9.978		mg/L		100	90 - 110	5	20
Sulfate	10.0	10.49		mg/L		105	90 - 110	4	20

Lab Sample ID: LLCS 860-277119/7
Matrix: Water
Analysis Batch: 277119

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.6317		mg/L		126	50 - 150
Fluoride	0.500	0.4832	J	mg/L		97	50 - 150
Sulfate	0.500	0.6082		mg/L		122	50 - 150

Lab Sample ID: MB 860-277149/33
Matrix: Water
Analysis Batch: 277149

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			11/20/25 14:25	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/20/25 14:25	1
Sulfate	<0.200	U	0.500	0.200	mg/L			11/20/25 14:25	1

Lab Sample ID: LCS 860-277149/34
Matrix: Water
Analysis Batch: 277149

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.863		mg/L		99	90 - 110
Fluoride	10.0	9.397		mg/L		94	90 - 110
Sulfate	10.0	9.175		mg/L		92	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-277149/35
Matrix: Water
Analysis Batch: 277149

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
Chloride			10.0	9.842		mg/L		98	90 - 110	0	20
Fluoride			10.0	10.82		mg/L		108	90 - 110	14	20
Sulfate			10.0	9.117		mg/L		91	90 - 110	1	20

Lab Sample ID: 870-41591-16 MS
Matrix: Water
Analysis Batch: 277149

Client Sample ID: SSP MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.667	F1	10.0	7.793	F1	mg/L		71	90 - 110		

Lab Sample ID: 870-41591-16 MSD
Matrix: Water
Analysis Batch: 277149

Client Sample ID: SSP MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.667	F1	10.0	7.399	F1	mg/L		67	90 - 110	5	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-277457/1-A
Matrix: Water
Analysis Batch: 277842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/21/25 09:00	11/21/25 15:25	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/21/25 09:00	11/21/25 15:25	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/21/25 09:00	11/21/25 15:25	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/21/25 09:00	11/21/25 15:25	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/21/25 09:00	11/21/25 15:25	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/21/25 09:00	11/21/25 15:25	1

Lab Sample ID: LCS 860-277457/2-A
Matrix: Water
Analysis Batch: 277842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277457

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	1.010		mg/L		101	80 - 120		
Calcium			25.0	25.80		mg/L		103	80 - 120		
Magnesium			25.0	25.90		mg/L		104	80 - 120		
Potassium			10.0	9.970		mg/L		100	80 - 120		
Sodium			25.0	24.80		mg/L		99	80 - 120		
Lithium			1.00	1.000		mg/L		100	80 - 120		

Lab Sample ID: LCSD 860-277457/3-A
Matrix: Water
Analysis Batch: 277842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277457

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	1.010		mg/L		101	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-277457/3-A
Matrix: Water
Analysis Batch: 277842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277457

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			25.0	25.80		mg/L		103	80 - 120	0	20
Magnesium			25.0	25.90		mg/L		104	80 - 120	0	20
Potassium			10.0	9.970		mg/L		100	80 - 120	0	20
Sodium			25.0	24.80		mg/L		99	80 - 120	0	20
Lithium			1.00	0.9980		mg/L		100	80 - 120	0	20

Lab Sample ID: MB 860-277720/1-A
Matrix: Water
Analysis Batch: 277983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277720

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/22/25 10:32	11/24/25 13:59	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/22/25 10:32	11/24/25 13:59	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/22/25 10:32	11/24/25 13:59	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/22/25 10:32	11/24/25 13:59	1
Sodium	0.2250	J	0.500	0.152	mg/L		11/22/25 10:32	11/24/25 13:59	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/22/25 10:32	11/24/25 13:59	1

Lab Sample ID: LCS 860-277720/2-A
Matrix: Water
Analysis Batch: 277983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277720

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	1.010		mg/L		101	80 - 120		
Calcium			25.0	25.90		mg/L		104	80 - 120		
Magnesium			25.0	24.90		mg/L		100	80 - 120		
Potassium			10.0	9.800		mg/L		98	80 - 120		
Sodium			25.0	24.70		mg/L		99	80 - 120		
Lithium			1.00	0.9650		mg/L		97	80 - 120		

Lab Sample ID: LCSD 860-277720/3-A
Matrix: Water
Analysis Batch: 277983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277720

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	1.010		mg/L		101	80 - 120	0	20
Calcium			25.0	26.00		mg/L		104	80 - 120	0	20
Magnesium			25.0	24.90		mg/L		100	80 - 120	0	20
Potassium			10.0	9.820		mg/L		98	80 - 120	0	20
Sodium			25.0	24.70		mg/L		99	80 - 120	0	20
Lithium			1.00	0.9620		mg/L		96	80 - 120	0	20

Lab Sample ID: 870-41591-7 MS
Matrix: Water
Analysis Batch: 277983

Client Sample ID: FD2
Prep Type: Total/NA
Prep Batch: 277720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	4.45		1.00	5.460	4	mg/L		101	75 - 125		
Calcium	126		25.0	149.0	4	mg/L		92	75 - 125		
Magnesium	19.1		25.0	43.80		mg/L		99	75 - 125		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 870-41591-7 MS
Matrix: Water
Analysis Batch: 277983

Client Sample ID: FD2
Prep Type: Total/NA
Prep Batch: 277720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	10.5		10.0	21.20		mg/L		107	75 - 125
Sodium	184	B	25.0	207.0	4	mg/L		92	75 - 125
Lithium	0.0484		1.00	1.090		mg/L		104	75 - 125

Lab Sample ID: 870-41591-7 MSD
Matrix: Water
Analysis Batch: 277983

Client Sample ID: FD2
Prep Type: Total/NA
Prep Batch: 277720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	4.45		1.00	5.430	4	mg/L		98	75 - 125	1	20
Calcium	126		25.0	149.0	4	mg/L		92	75 - 125	0	20
Magnesium	19.1		25.0	43.50		mg/L		98	75 - 125	1	20
Potassium	10.5		10.0	21.00		mg/L		105	75 - 125	1	20
Sodium	184	B	25.0	207.0	4	mg/L		92	75 - 125	0	20
Lithium	0.0484		1.00	1.080		mg/L		103	75 - 125	1	20

Lab Sample ID: MB 860-277722/1-A
Matrix: Water
Analysis Batch: 277983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/22/25 10:35	11/24/25 12:43	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/22/25 10:35	11/24/25 12:43	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/22/25 10:35	11/24/25 12:43	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/22/25 10:35	11/24/25 12:43	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/22/25 10:35	11/24/25 12:43	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/22/25 10:35	11/24/25 12:43	1

Lab Sample ID: LCS 860-277722/2-A
Matrix: Water
Analysis Batch: 277983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	26.10		mg/L		104	80 - 120
Magnesium	25.0	25.00		mg/L		100	80 - 120
Potassium	10.0	9.800		mg/L		98	80 - 120
Sodium	25.0	24.60		mg/L		98	80 - 120
Lithium	1.00	0.9460		mg/L		95	80 - 120

Lab Sample ID: LCSD 860-277722/3-A
Matrix: Water
Analysis Batch: 277983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277722

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.010		mg/L		101	80 - 120	0	20
Calcium	25.0	26.00		mg/L		104	80 - 120	0	20
Magnesium	25.0	25.00		mg/L		100	80 - 120	0	20
Potassium	10.0	9.800		mg/L		98	80 - 120	0	20
Sodium	25.0	24.60		mg/L		98	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-277722/3-A
Matrix: Water
Analysis Batch: 277983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277722

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium			1.00	0.9490		mg/L		95	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-276744/1-A
Matrix: Water
Analysis Batch: 277344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 276744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/18/25 18:17	11/19/25 22:22	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/18/25 18:17	11/19/25 22:22	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/18/25 18:17	11/19/25 22:22	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/18/25 18:17	11/19/25 22:22	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/18/25 18:17	11/19/25 22:22	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/18/25 18:17	11/19/25 22:22	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/18/25 18:17	11/19/25 22:22	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/18/25 18:17	11/19/25 22:22	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/18/25 18:17	11/19/25 22:22	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/18/25 18:17	11/19/25 22:22	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/18/25 18:17	11/19/25 22:22	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/18/25 18:17	11/19/25 22:22	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/18/25 18:17	11/19/25 22:22	1

Lab Sample ID: LCS 860-276744/2-A
Matrix: Water
Analysis Batch: 277344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276744

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum			0.500	0.5105		mg/L		102	80 - 120
Antimony			0.100	0.1052		mg/L		105	80 - 120
Arsenic			0.100	0.1026		mg/L		103	80 - 120
Barium			0.100	0.1012		mg/L		101	80 - 120
Beryllium			0.100	0.1005		mg/L		100	80 - 120
Cadmium			0.100	0.1012		mg/L		101	80 - 120
Chromium			0.100	0.1010		mg/L		101	80 - 120
Cobalt			0.100	0.1006		mg/L		101	80 - 120
Iron			0.500	0.5042		mg/L		101	80 - 120
Lead			0.100	0.1002		mg/L		100	80 - 120
Molybdenum			0.100	0.1010		mg/L		101	80 - 120
Selenium			0.100	0.1016		mg/L		102	80 - 120
Thallium			0.100	0.1030		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-276744/3-A
Matrix: Water
Analysis Batch: 277344

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 276744

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			0.500	0.5023		mg/L		100	80 - 120	2	20
Antimony			0.100	0.1061		mg/L		106	80 - 120	1	20
Arsenic			0.100	0.1021		mg/L		102	80 - 120	0	20

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

Lab Sample ID: LCSD 860-276744/3-A
Matrix: Water
Analysis Batch: 277344

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 276744

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.100	0.1018		mg/L		102	80 - 120	1	20
Beryllium	0.100	0.1004		mg/L		100	80 - 120	0	20
Cadmium	0.100	0.1014		mg/L		101	80 - 120	0	20
Chromium	0.100	0.1001		mg/L		100	80 - 120	1	20
Cobalt	0.100	0.1003		mg/L		100	80 - 120	0	20
Iron	0.500	0.5037		mg/L		101	80 - 120	0	20
Lead	0.100	0.1001		mg/L		100	80 - 120	0	20
Molybdenum	0.100	0.1012		mg/L		101	80 - 120	0	20
Selenium	0.100	0.1013		mg/L		101	80 - 120	0	20
Thallium	0.100	0.1033		mg/L		103	80 - 120	0	20

Lab Sample ID: MB 860-276928/1-A
Matrix: Water
Analysis Batch: 277511

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 276928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/19/25 13:22	11/20/25 22:20	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:22	11/20/25 22:20	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/19/25 13:22	11/20/25 22:20	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/19/25 13:22	11/20/25 22:20	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/19/25 13:22	11/20/25 22:20	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/19/25 13:22	11/20/25 22:20	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:22	11/20/25 22:20	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/19/25 13:22	11/20/25 22:20	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/19/25 13:22	11/20/25 22:20	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/19/25 13:22	11/20/25 22:20	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/19/25 13:22	11/20/25 22:20	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:22	11/20/25 22:20	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/19/25 13:22	11/20/25 22:20	1

Lab Sample ID: LCS 860-276928/2-A
Matrix: Water
Analysis Batch: 277511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4728		mg/L		95	80 - 120
Antimony	0.100	0.1054		mg/L		105	80 - 120
Arsenic	0.100	0.1043		mg/L		104	80 - 120
Barium	0.100	0.1011		mg/L		101	80 - 120
Beryllium	0.100	0.09561		mg/L		96	80 - 120
Cadmium	0.100	0.1017		mg/L		102	80 - 120
Chromium	0.100	0.1039		mg/L		104	80 - 120
Cobalt	0.100	0.1040		mg/L		104	80 - 120
Iron	0.500	0.5178		mg/L		104	80 - 120
Lead	0.100	0.1019		mg/L		102	80 - 120
Molybdenum	0.100	0.1019		mg/L		102	80 - 120
Selenium	0.100	0.1022		mg/L		102	80 - 120
Thallium	0.100	0.1048		mg/L		105	80 - 120

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

Lab Sample ID: LCSD 860-276928/3-A
Matrix: Water
Analysis Batch: 277511

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 276928

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			0.500	0.4943		mg/L		99	80 - 120	4	20
Antimony			0.100	0.1061		mg/L		106	80 - 120	1	20
Arsenic			0.100	0.1048		mg/L		105	80 - 120	0	20
Barium			0.100	0.1029		mg/L		103	80 - 120	2	20
Beryllium			0.100	0.09543		mg/L		95	80 - 120	0	20
Cadmium			0.100	0.1018		mg/L		102	80 - 120	0	20
Chromium			0.100	0.1053		mg/L		105	80 - 120	1	20
Cobalt			0.100	0.1048		mg/L		105	80 - 120	1	20
Iron			0.500	0.5217		mg/L		104	80 - 120	1	20
Lead			0.100	0.1023		mg/L		102	80 - 120	0	20
Molybdenum			0.100	0.1031		mg/L		103	80 - 120	1	20
Selenium			0.100	0.1032		mg/L		103	80 - 120	1	20
Thallium			0.100	0.1052		mg/L		105	80 - 120	0	20

Lab Sample ID: MB 860-276930/1-A
Matrix: Water
Analysis Batch: 277341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 276930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/19/25 13:25	11/20/25 19:05	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/19/25 13:25	11/20/25 19:05	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/19/25 13:25	11/20/25 19:05	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/19/25 13:25	11/20/25 19:05	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/19/25 13:25	11/20/25 19:05	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/19/25 13:25	11/20/25 19:05	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/19/25 13:25	11/20/25 19:05	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/19/25 13:25	11/20/25 19:05	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/19/25 13:25	11/20/25 19:05	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/19/25 13:25	11/20/25 19:05	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/19/25 13:25	11/20/25 19:05	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/19/25 13:25	11/20/25 19:05	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/19/25 13:25	11/20/25 19:05	1

Lab Sample ID: LCS 860-276930/2-A
Matrix: Water
Analysis Batch: 277341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276930

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum			0.500	0.5013		mg/L		100	80 - 120
Antimony			0.100	0.1068		mg/L		107	80 - 120
Arsenic			0.100	0.1049		mg/L		105	80 - 120
Barium			0.100	0.1042		mg/L		104	80 - 120
Beryllium			0.100	0.09842		mg/L		98	80 - 120
Cadmium			0.100	0.1034		mg/L		103	80 - 120
Chromium			0.100	0.1054		mg/L		105	80 - 120
Cobalt			0.100	0.1050		mg/L		105	80 - 120
Iron			0.500	0.5198		mg/L		104	80 - 120
Lead			0.100	0.1047		mg/L		105	80 - 120
Molybdenum			0.100	0.1041		mg/L		104	80 - 120

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

Lab Sample ID: LCS 860-276930/2-A
Matrix: Water
Analysis Batch: 277341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.1052		mg/L		105	80 - 120
Thallium	0.100	0.1096		mg/L		110	80 - 120

Lab Sample ID: LCSD 860-276930/3-A
Matrix: Water
Analysis Batch: 277341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 276930

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4794		mg/L		96	80 - 120	4	20
Antimony	0.100	0.1071		mg/L		107	80 - 120	0	20
Arsenic	0.100	0.1043		mg/L		104	80 - 120	1	20
Barium	0.100	0.1047		mg/L		105	80 - 120	0	20
Beryllium	0.100	0.09918		mg/L		99	80 - 120	1	20
Cadmium	0.100	0.1041		mg/L		104	80 - 120	1	20
Chromium	0.100	0.1048		mg/L		105	80 - 120	1	20
Cobalt	0.100	0.1048		mg/L		105	80 - 120	0	20
Iron	0.500	0.5218		mg/L		104	80 - 120	0	20
Lead	0.100	0.1052		mg/L		105	80 - 120	1	20
Molybdenum	0.100	0.1053		mg/L		105	80 - 120	1	20
Selenium	0.100	0.1059		mg/L		106	80 - 120	1	20
Thallium	0.100	0.1099		mg/L		110	80 - 120	0	20

Lab Sample ID: MB 860-276786/23-D
Matrix: Water
Analysis Batch: 277341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/20/25 10:00	11/20/25 16:33	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/20/25 10:00	11/20/25 16:33	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/20/25 10:00	11/20/25 16:33	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/20/25 10:00	11/20/25 16:33	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/20/25 10:00	11/20/25 16:33	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/20/25 10:00	11/20/25 16:33	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/20/25 10:00	11/20/25 16:33	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/20/25 10:00	11/20/25 16:33	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/20/25 10:00	11/20/25 16:33	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/20/25 10:00	11/20/25 16:33	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/20/25 10:00	11/20/25 16:33	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/20/25 10:00	11/20/25 16:33	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/20/25 10:00	11/20/25 16:33	1

Lab Sample ID: LCS 860-276786/24-D
Matrix: Water
Analysis Batch: 277341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4930		mg/L		99	80 - 120
Antimony	0.100	0.1049		mg/L		105	80 - 120
Arsenic	0.100	0.1027		mg/L		103	80 - 120

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

Lab Sample ID: LCS 860-276786/24-D
Matrix: Water
Analysis Batch: 277341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.1046		mg/L		105	80 - 120
Beryllium	0.100	0.09490		mg/L		95	80 - 120
Cadmium	0.100	0.1029		mg/L		103	80 - 120
Chromium	0.100	0.1056		mg/L		106	80 - 120
Cobalt	0.100	0.1052		mg/L		105	80 - 120
Iron	0.500	0.5218		mg/L		104	80 - 120
Lead	0.100	0.1034		mg/L		103	80 - 120
Molybdenum	0.100	0.1040		mg/L		104	80 - 120
Selenium	0.100	0.1037		mg/L		104	80 - 120
Thallium	0.100	0.1081		mg/L		108	80 - 120

Lab Sample ID: LCSD 860-276786/25-D
Matrix: Water
Analysis Batch: 277341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277156

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5079		mg/L		102	80 - 120	3	20
Antimony	0.100	0.1059		mg/L		106	80 - 120	1	20
Arsenic	0.100	0.1021		mg/L		102	80 - 120	1	20
Barium	0.100	0.1033		mg/L		103	80 - 120	1	20
Beryllium	0.100	0.09700		mg/L		97	80 - 120	2	20
Cadmium	0.100	0.1024		mg/L		102	80 - 120	0	20
Chromium	0.100	0.1056		mg/L		106	80 - 120	0	20
Cobalt	0.100	0.1052		mg/L		105	80 - 120	0	20
Iron	0.500	0.5192		mg/L		104	80 - 120	0	20
Lead	0.100	0.1032		mg/L		103	80 - 120	0	20
Molybdenum	0.100	0.1059		mg/L		106	80 - 120	2	20
Selenium	0.100	0.1030		mg/L		103	80 - 120	1	20
Thallium	0.100	0.1076		mg/L		108	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-275492/26-B
Matrix: Water
Analysis Batch: 277419

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 276888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/20/25 07:50	11/20/25 18:30	1

Lab Sample ID: LCS 860-275492/27-B
Matrix: Water
Analysis Batch: 277419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001900		mg/L		95	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 860-275492/28-B
Matrix: Water
Analysis Batch: 277419

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 276888

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001810		mg/L		90	80 - 120	5	20

Lab Sample ID: MB 860-276892/10-A
Matrix: Water
Analysis Batch: 277067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 276892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/19/25 11:56	11/19/25 19:50	1

Lab Sample ID: LCS 860-276892/11-A
Matrix: Water
Analysis Batch: 277067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276892

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001955		mg/L		98	80 - 120		

Lab Sample ID: LCSD 860-276892/12-A
Matrix: Water
Analysis Batch: 277067

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 276892

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001972		mg/L		99	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-276432/3
Matrix: Water
Analysis Batch: 276432

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/17/25 10:11	1

Lab Sample ID: LCS 860-276432/4
Matrix: Water
Analysis Batch: 276432

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	241.0		mg/L		96	85 - 115		

Lab Sample ID: LCSD 860-276432/5
Matrix: Water
Analysis Batch: 276432

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
Alkalinity			250	242.6		mg/L		97	85 - 115	1	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-277016/3
Matrix: Water
Analysis Batch: 277016

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/19/25 10:33	1

Lab Sample ID: MB 860-277016/34
Matrix: Water
Analysis Batch: 277016

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/19/25 13:22	1

Lab Sample ID: LCS 860-277016/35
Matrix: Water
Analysis Batch: 277016

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	240.8		mg/L		96	85 - 115

Lab Sample ID: LCS 860-277016/4
Matrix: Water
Analysis Batch: 277016

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	242.1		mg/L		97	85 - 115

Lab Sample ID: LCSD 860-277016/36
Matrix: Water
Analysis Batch: 277016

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
Alkalinity	250	242.7		mg/L		97	85 - 115	1	20

Lab Sample ID: LCSD 860-277016/5
Matrix: Water
Analysis Batch: 277016

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
Alkalinity	250	242.1		mg/L		97	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-33613/1
Matrix: Water
Analysis Batch: 33613

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			11/17/25 17:27	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 870-33613/2
Matrix: Water
Analysis Batch: 33613

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	839.0		mg/L		84	80 - 120

Lab Sample ID: LCSD 870-33613/3
Matrix: Water
Analysis Batch: 33613

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
Total Dissolved Solids	1000	822.0		mg/L		82	80 - 120	2	10

Lab Sample ID: 870-41591-1 DU
Matrix: Water
Analysis Batch: 33613

Client Sample ID: AP MW-1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1110		1014		mg/L		9	10

Lab Sample ID: MB 870-33697/1
Matrix: Water
Analysis Batch: 33697

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			11/19/25 18:06	1

Lab Sample ID: LCS 870-33697/2
Matrix: Water
Analysis Batch: 33697

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	975.0		mg/L		98	80 - 120

Lab Sample ID: LCSD 870-33697/3
Matrix: Water
Analysis Batch: 33697

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
Total Dissolved Solids	1000	950.0		mg/L		95	80 - 120	3	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-41591-10 DU
Matrix: Water
Analysis Batch: 33623

Client Sample ID: SFL MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.3	HF	6.4		SU		1	20
Temperature	18.0	HF	18.2		Celsius		1	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-745769/1-A
Matrix: Water
Analysis Batch: 748532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 745769

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	19.92	U G	16.3	16.4	50.0	64.6	pCi/L	11/18/25 10:10	12/09/25 03:45	1
Radium-228	-8.187	U G	28.2	28.2	50.0	50.7	pCi/L	11/18/25 10:10	12/09/25 03:45	1
Combined Radium 226 + 228	11.73	U	32.6	32.6		64.6	pCi/L	11/18/25 10:10	12/09/25 03:45	1

Lab Sample ID: LCS 160-745769/2-A
Matrix: Water
Analysis Batch: 748533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 745769

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	147400		15100		530	pCi/L	104	75 - 125
Cesium-137	37500	35910		3520		220	pCi/L	96	75 - 125
Cobalt-60	50000	48890		4770		155	pCi/L	98	75 - 125

Lab Sample ID: 870-41591-1 DU
Matrix: Water
Analysis Batch: 748536

Client Sample ID: AP MW-1D
Prep Type: Total/NA
Prep Batch: 745769

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	23.6	U	38.44		21.8	50.0	28.2	pCi/L	0.39	1
Radium-228	12.9	U	7.166	U	27.5	50.0	46.1	pCi/L	0.11	1
Combined Radium 226 + 228	36.5	U	45.60	U	35.1		46.1	pCi/L	0.14	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-745745/1-A
Matrix: Water
Analysis Batch: 748957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 745745

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01499	U	0.155	0.155	1.00	0.313	pCi/L	11/18/25 07:54	12/11/25 18:12	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*11/18/25 07:54*	*12/11/25 18:12*	*1*

Lab Sample ID: LCS 160-745745/2-A
Matrix: Water
Analysis Batch: 748957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 745745

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.57	9.155		1.24	1.00	0.424	pCi/L	96	75 - 125

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-745745/2-A
Matrix: Water
Analysis Batch: 748957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 745745

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.1		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-745746/1-A
Matrix: Water
Analysis Batch: 748953

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 745746

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.9090		0.461	0.469	1.00	0.649	pCi/L	11/18/25 07:57	12/11/25 11:59	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110	11/18/25 07:57	12/11/25 11:59	1
Y Carrier	81.5		30 - 110	11/18/25 07:57	12/11/25 11:59	1

Lab Sample ID: LCS 160-745746/2-A
Matrix: Water
Analysis Batch: 748953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 745746

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.86	9.129		1.33	1.00	0.728	pCi/L	116	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.1		30 - 110
Y Carrier	84.5		30 - 110

QC Association Summary

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

HPLC/IC

Analysis Batch: 277119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	9056A	
870-41591-2	AP MW-5	Total/NA	Water	9056A	
870-41591-2	AP MW-5	Total/NA	Water	9056A	
870-41591-3	AP MW-4	Total/NA	Water	9056A	
870-41591-3	AP MW-4	Total/NA	Water	9056A	
870-41591-4	AP MW-3	Total/NA	Water	9056A	
870-41591-4	AP MW-3	Total/NA	Water	9056A	
870-41591-5	SSP MW-2	Total/NA	Water	9056A	
870-41591-5	SSP MW-2	Total/NA	Water	9056A	
870-41591-6	SSP/AP MW-1	Total/NA	Water	9056A	
870-41591-6	SSP/AP MW-1	Total/NA	Water	9056A	
870-41591-7	FD2	Total/NA	Water	9056A	
870-41591-7	FD2	Total/NA	Water	9056A	
870-41591-8	SFL MW-5	Total/NA	Water	9056A	
870-41591-8	SFL MW-5	Total/NA	Water	9056A	
870-41591-9	MNW-18	Total/NA	Water	9056A	
870-41591-9	MNW-18	Total/NA	Water	9056A	
870-41591-10	SFL MW-7	Total/NA	Water	9056A	
870-41591-10	SFL MW-7	Total/NA	Water	9056A	
MB 860-277119/3	Method Blank	Total/NA	Water	9056A	
LCS 860-277119/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-277119/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-277119/7	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 277149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-11	SFL MW-3	Total/NA	Water	9056A	
870-41591-11	SFL MW-3	Total/NA	Water	9056A	
870-41591-12	FD1	Total/NA	Water	9056A	
870-41591-12	FD1	Total/NA	Water	9056A	
870-41591-13	MNW-15	Total/NA	Water	9056A	
870-41591-13	MNW-15	Total/NA	Water	9056A	
870-41591-14	SFL MW-4	Total/NA	Water	9056A	
870-41591-14	SFL MW-4	Total/NA	Water	9056A	
870-41591-15	SFL MW-2	Total/NA	Water	9056A	
870-41591-16	SSP MW-3	Total/NA	Water	9056A	
870-41591-16	SSP MW-3	Total/NA	Water	9056A	
870-41591-17	EB1	Total/NA	Water	9056A	
870-41591-18	SSP MW-4	Total/NA	Water	9056A	
870-41591-18	SSP MW-4	Total/NA	Water	9056A	
MB 860-277149/33	Method Blank	Total/NA	Water	9056A	
LCS 860-277149/34	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-277149/35	Lab Control Sample Dup	Total/NA	Water	9056A	
870-41591-16 MS	SSP MW-3	Total/NA	Water	9056A	
870-41591-16 MSD	SSP MW-3	Total/NA	Water	9056A	

Metals

Filtration Batch: 275492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-275492/26-B	Method Blank	Total/NA	Water	Filtration	

Metals (Continued)

Filtration Batch: 275492 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-275492/27-B	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-275492/28-B	Lab Control Sample Dup	Total/NA	Water	Filtration	

Prep Batch: 276744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	3010A	
870-41591-2	AP MW-5	Total/NA	Water	3010A	
870-41591-4	AP MW-3	Total/NA	Water	3010A	
870-41591-5	SSP MW-2	Total/NA	Water	3010A	
MB 860-276744/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-276744/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-276744/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Filtration Batch: 276786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-276786/23-D	Method Blank	Total/NA	Water	Filtration	
LCS 860-276786/24-D	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-276786/25-D	Lab Control Sample Dup	Total/NA	Water	Filtration	

Prep Batch: 276888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-2	AP MW-5	Total/NA	Water	7470A	
870-41591-5	SSP MW-2	Total/NA	Water	7470A	
870-41591-9	MNW-18	Total/NA	Water	7470A	
870-41591-11	SFL MW-3	Total/NA	Water	7470A	
870-41591-13	MNW-15	Total/NA	Water	7470A	
MB 860-275492/26-B	Method Blank	Total/NA	Water	7470A	275492
LCS 860-275492/27-B	Lab Control Sample	Total/NA	Water	7470A	275492
LCSD 860-275492/28-B	Lab Control Sample Dup	Total/NA	Water	7470A	275492

Prep Batch: 276892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	7470A	
870-41591-3	AP MW-4	Total/NA	Water	7470A	
870-41591-4	AP MW-3	Total/NA	Water	7470A	
870-41591-6	SSP/AP MW-1	Total/NA	Water	7470A	
870-41591-7	FD2	Total/NA	Water	7470A	
870-41591-8	SFL MW-5	Total/NA	Water	7470A	
870-41591-10	SFL MW-7	Total/NA	Water	7470A	
870-41591-12	FD1	Total/NA	Water	7470A	
870-41591-14	SFL MW-4	Total/NA	Water	7470A	
870-41591-15	SFL MW-2	Total/NA	Water	7470A	
870-41591-16	SSP MW-3	Total/NA	Water	7470A	
870-41591-17	EB1	Total/NA	Water	7470A	
870-41591-18	SSP MW-4	Total/NA	Water	7470A	
MB 860-276892/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-276892/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-276892/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Metals

Prep Batch: 276928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-3	AP MW-4	Total/NA	Water	3010A	
870-41591-6	SSP/AP MW-1	Total/NA	Water	3010A	
870-41591-7	FD2	Total/NA	Water	3010A	
870-41591-8	SFL MW-5	Total/NA	Water	3010A	
870-41591-10	SFL MW-7	Total/NA	Water	3010A	
870-41591-12	FD1	Total/NA	Water	3010A	
870-41591-14	SFL MW-4	Total/NA	Water	3010A	
870-41591-15	SFL MW-2	Total/NA	Water	3010A	
870-41591-16	SSP MW-3	Total/NA	Water	3010A	
870-41591-17	EB1	Total/NA	Water	3010A	
MB 860-276928/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-276928/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-276928/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 276930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-18	SSP MW-4	Total/NA	Water	3010A	
MB 860-276930/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-276930/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-276930/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 277067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	7470A	276892
870-41591-3	AP MW-4	Total/NA	Water	7470A	276892
870-41591-4	AP MW-3	Total/NA	Water	7470A	276892
870-41591-6	SSP/AP MW-1	Total/NA	Water	7470A	276892
870-41591-7	FD2	Total/NA	Water	7470A	276892
870-41591-8	SFL MW-5	Total/NA	Water	7470A	276892
870-41591-10	SFL MW-7	Total/NA	Water	7470A	276892
870-41591-12	FD1	Total/NA	Water	7470A	276892
870-41591-14	SFL MW-4	Total/NA	Water	7470A	276892
870-41591-15	SFL MW-2	Total/NA	Water	7470A	276892
870-41591-16	SSP MW-3	Total/NA	Water	7470A	276892
870-41591-17	EB1	Total/NA	Water	7470A	276892
870-41591-18	SSP MW-4	Total/NA	Water	7470A	276892
MB 860-276892/10-A	Method Blank	Total/NA	Water	7470A	276892
LCS 860-276892/11-A	Lab Control Sample	Total/NA	Water	7470A	276892
LCSD 860-276892/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	276892

Prep Batch: 277156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-9	MNW-18	Total/NA	Water	3010A	
870-41591-11	SFL MW-3	Total/NA	Water	3010A	
870-41591-13	MNW-15	Total/NA	Water	3010A	
MB 860-276786/23-D	Method Blank	Total/NA	Water	3010A	276786
LCS 860-276786/24-D	Lab Control Sample	Total/NA	Water	3010A	276786
LCSD 860-276786/25-D	Lab Control Sample Dup	Total/NA	Water	3010A	276786

Metals

Analysis Batch: 277341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-9	MNW-18	Total/NA	Water	6020B	277156
870-41591-11	SFL MW-3	Total/NA	Water	6020B	277156
870-41591-13	MNW-15	Total/NA	Water	6020B	277156
870-41591-13	MNW-15	Total/NA	Water	6020B	277156
870-41591-18	SSP MW-4	Total/NA	Water	6020B	276930
870-41591-18	SSP MW-4	Total/NA	Water	6020B	276930
MB 860-276786/23-D	Method Blank	Total/NA	Water	6020B	277156
MB 860-276930/1-A	Method Blank	Total/NA	Water	6020B	276930
LCS 860-276786/24-D	Lab Control Sample	Total/NA	Water	6020B	277156
LCS 860-276930/2-A	Lab Control Sample	Total/NA	Water	6020B	276930
LCSD 860-276786/25-D	Lab Control Sample Dup	Total/NA	Water	6020B	277156
LCSD 860-276930/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	276930

Analysis Batch: 277344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	6020B	276744
870-41591-2	AP MW-5	Total/NA	Water	6020B	276744
870-41591-2	AP MW-5	Total/NA	Water	6020B	276744
870-41591-4	AP MW-3	Total/NA	Water	6020B	276744
870-41591-5	SSP MW-2	Total/NA	Water	6020B	276744
MB 860-276744/1-A	Method Blank	Total/NA	Water	6020B	276744
LCS 860-276744/2-A	Lab Control Sample	Total/NA	Water	6020B	276744
LCSD 860-276744/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	276744

Analysis Batch: 277419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-2	AP MW-5	Total/NA	Water	7470A	276888
870-41591-5	SSP MW-2	Total/NA	Water	7470A	276888
870-41591-9	MNW-18	Total/NA	Water	7470A	276888
870-41591-11	SFL MW-3	Total/NA	Water	7470A	276888
870-41591-13	MNW-15	Total/NA	Water	7470A	276888
MB 860-275492/26-B	Method Blank	Total/NA	Water	7470A	276888
LCS 860-275492/27-B	Lab Control Sample	Total/NA	Water	7470A	276888
LCSD 860-275492/28-B	Lab Control Sample Dup	Total/NA	Water	7470A	276888

Prep Batch: 277457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-3	AP MW-4	Total/NA	Water	3010A	
870-41591-6	SSP/AP MW-1	Total/NA	Water	3010A	
870-41591-8	SFL MW-5	Total/NA	Water	3010A	
870-41591-10	SFL MW-7	Total/NA	Water	3010A	
870-41591-12	FD1	Total/NA	Water	3010A	
870-41591-14	SFL MW-4	Total/NA	Water	3010A	
870-41591-15	SFL MW-2	Total/NA	Water	3010A	
870-41591-16	SSP MW-3	Total/NA	Water	3010A	
870-41591-17	EB1	Total/NA	Water	3010A	
870-41591-18	SSP MW-4	Total/NA	Water	3010A	
MB 860-277457/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277457/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277457/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Analysis Batch: 277511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-3	AP MW-4	Total/NA	Water	6020B	276928
870-41591-6	SSP/AP MW-1	Total/NA	Water	6020B	276928
870-41591-7	FD2	Total/NA	Water	6020B	276928
870-41591-8	SFL MW-5	Total/NA	Water	6020B	276928
870-41591-10	SFL MW-7	Total/NA	Water	6020B	276928
870-41591-12	FD1	Total/NA	Water	6020B	276928
870-41591-14	SFL MW-4	Total/NA	Water	6020B	276928
870-41591-15	SFL MW-2	Total/NA	Water	6020B	276928
870-41591-16	SSP MW-3	Total/NA	Water	6020B	276928
870-41591-17	EB1	Total/NA	Water	6020B	276928
MB 860-276928/1-A	Method Blank	Total/NA	Water	6020B	276928
LCS 860-276928/2-A	Lab Control Sample	Total/NA	Water	6020B	276928
LCSD 860-276928/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	276928

Analysis Batch: 277663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-12	FD1	Total/NA	Water	6020B	276928

Prep Batch: 277720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-7	FD2	Total/NA	Water	3010A	
MB 860-277720/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277720/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277720/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-41591-7 MS	FD2	Total/NA	Water	3010A	
870-41591-7 MSD	FD2	Total/NA	Water	3010A	

Prep Batch: 277722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	3010A	
870-41591-2	AP MW-5	Total/NA	Water	3010A	
870-41591-4	AP MW-3	Total/NA	Water	3010A	
870-41591-5	SSP MW-2	Total/NA	Water	3010A	
870-41591-9	MNW-18	Total/NA	Water	3010A	
870-41591-11	SFL MW-3	Total/NA	Water	3010A	
870-41591-13	MNW-15	Total/NA	Water	3010A	
MB 860-277722/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277722/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277722/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 277842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-3	AP MW-4	Total/NA	Water	6010D	277457
870-41591-3	AP MW-4	Total/NA	Water	6010D	277457
870-41591-6	SSP/AP MW-1	Total/NA	Water	6010D	277457
870-41591-6	SSP/AP MW-1	Total/NA	Water	6010D	277457
870-41591-8	SFL MW-5	Total/NA	Water	6010D	277457
870-41591-8	SFL MW-5	Total/NA	Water	6010D	277457
870-41591-10	SFL MW-7	Total/NA	Water	6010D	277457
870-41591-10	SFL MW-7	Total/NA	Water	6010D	277457
870-41591-12	FD1	Total/NA	Water	6010D	277457

Metals (Continued)

Analysis Batch: 277842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-12	FD1	Total/NA	Water	6010D	277457
870-41591-14	SFL MW-4	Total/NA	Water	6010D	277457
870-41591-14	SFL MW-4	Total/NA	Water	6010D	277457
870-41591-15	SFL MW-2	Total/NA	Water	6010D	277457
870-41591-15	SFL MW-2	Total/NA	Water	6010D	277457
870-41591-16	SSP MW-3	Total/NA	Water	6010D	277457
870-41591-16	SSP MW-3	Total/NA	Water	6010D	277457
870-41591-17	EB1	Total/NA	Water	6010D	277457
870-41591-18	SSP MW-4	Total/NA	Water	6010D	277457
870-41591-18	SSP MW-4	Total/NA	Water	6010D	277457
MB 860-277457/1-A	Method Blank	Total/NA	Water	6010D	277457
LCS 860-277457/2-A	Lab Control Sample	Total/NA	Water	6010D	277457
LCSD 860-277457/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	277457

Analysis Batch: 277909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-12	FD1	Total/NA	Water	6020B	276928

Analysis Batch: 277983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	6010D	277722
870-41591-2	AP MW-5	Total/NA	Water	6010D	277722
870-41591-2	AP MW-5	Total/NA	Water	6010D	277722
870-41591-4	AP MW-3	Total/NA	Water	6010D	277722
870-41591-5	SSP MW-2	Total/NA	Water	6010D	277722
870-41591-5	SSP MW-2	Total/NA	Water	6010D	277722
870-41591-7	FD2	Total/NA	Water	6010D	277720
870-41591-9	MNW-18	Total/NA	Water	6010D	277722
870-41591-9	MNW-18	Total/NA	Water	6010D	277722
870-41591-11	SFL MW-3	Total/NA	Water	6010D	277722
870-41591-11	SFL MW-3	Total/NA	Water	6010D	277722
870-41591-13	MNW-15	Total/NA	Water	6010D	277722
870-41591-13	MNW-15	Total/NA	Water	6010D	277722
MB 860-277720/1-A	Method Blank	Total/NA	Water	6010D	277720
MB 860-277722/1-A	Method Blank	Total/NA	Water	6010D	277722
LCS 860-277720/2-A	Lab Control Sample	Total/NA	Water	6010D	277720
LCS 860-277722/2-A	Lab Control Sample	Total/NA	Water	6010D	277722
LCSD 860-277720/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	277720
LCSD 860-277722/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	277722
870-41591-7 MS	FD2	Total/NA	Water	6010D	277720
870-41591-7 MSD	FD2	Total/NA	Water	6010D	277720

General Chemistry

Analysis Batch: 33613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	SM 2540C	
870-41591-2	AP MW-5	Total/NA	Water	SM 2540C	
870-41591-3	AP MW-4	Total/NA	Water	SM 2540C	
870-41591-4	AP MW-3	Total/NA	Water	SM 2540C	
870-41591-5	SSP MW-2	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 33613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-6	SSP/AP MW-1	Total/NA	Water	SM 2540C	
870-41591-7	FD2	Total/NA	Water	SM 2540C	
870-41591-8	SFL MW-5	Total/NA	Water	SM 2540C	
870-41591-9	MNW-18	Total/NA	Water	SM 2540C	
870-41591-10	SFL MW-7	Total/NA	Water	SM 2540C	
MB 870-33613/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-33613/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-33613/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-41591-1 DU	AP MW-1D	Total/NA	Water	SM 2540C	

Analysis Batch: 33623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	SM 4500 H+ B	
870-41591-2	AP MW-5	Total/NA	Water	SM 4500 H+ B	
870-41591-3	AP MW-4	Total/NA	Water	SM 4500 H+ B	
870-41591-4	AP MW-3	Total/NA	Water	SM 4500 H+ B	
870-41591-5	SSP MW-2	Total/NA	Water	SM 4500 H+ B	
870-41591-6	SSP/AP MW-1	Total/NA	Water	SM 4500 H+ B	
870-41591-7	FD2	Total/NA	Water	SM 4500 H+ B	
870-41591-8	SFL MW-5	Total/NA	Water	SM 4500 H+ B	
870-41591-9	MNW-18	Total/NA	Water	SM 4500 H+ B	
870-41591-10	SFL MW-7	Total/NA	Water	SM 4500 H+ B	
870-41591-11	SFL MW-3	Total/NA	Water	SM 4500 H+ B	
870-41591-12	FD1	Total/NA	Water	SM 4500 H+ B	
870-41591-13	MNW-15	Total/NA	Water	SM 4500 H+ B	
870-41591-14	SFL MW-4	Total/NA	Water	SM 4500 H+ B	
870-41591-15	SFL MW-2	Total/NA	Water	SM 4500 H+ B	
870-41591-16	SSP MW-3	Total/NA	Water	SM 4500 H+ B	
870-41591-17	EB1	Total/NA	Water	SM 4500 H+ B	
870-41591-18	SSP MW-4	Total/NA	Water	SM 4500 H+ B	
870-41591-10 DU	SFL MW-7	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 33697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-11	SFL MW-3	Total/NA	Water	SM 2540C	
870-41591-12	FD1	Total/NA	Water	SM 2540C	
870-41591-13	MNW-15	Total/NA	Water	SM 2540C	
870-41591-14	SFL MW-4	Total/NA	Water	SM 2540C	
870-41591-15	SFL MW-2	Total/NA	Water	SM 2540C	
870-41591-16	SSP MW-3	Total/NA	Water	SM 2540C	
870-41591-17	EB1	Total/NA	Water	SM 2540C	
870-41591-18	SSP MW-4	Total/NA	Water	SM 2540C	
MB 870-33697/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-33697/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-33697/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 276432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	SM 2320B	
870-41591-2	AP MW-5	Total/NA	Water	SM 2320B	
870-41591-3	AP MW-4	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 276432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-4	AP MW-3	Total/NA	Water	SM 2320B	
870-41591-5	SSP MW-2	Total/NA	Water	SM 2320B	
MB 860-276432/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-276432/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-276432/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 277016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-6	SSP/AP MW-1	Total/NA	Water	SM 2320B	
870-41591-7	FD2	Total/NA	Water	SM 2320B	
870-41591-8	SFL MW-5	Total/NA	Water	SM 2320B	
870-41591-9	MNW-18	Total/NA	Water	SM 2320B	
870-41591-10	SFL MW-7	Total/NA	Water	SM 2320B	
870-41591-11	SFL MW-3	Total/NA	Water	SM 2320B	
870-41591-12	FD1	Total/NA	Water	SM 2320B	
870-41591-13	MNW-15	Total/NA	Water	SM 2320B	
870-41591-14	SFL MW-4	Total/NA	Water	SM 2320B	
870-41591-15	SFL MW-2	Total/NA	Water	SM 2320B	
870-41591-16	SSP MW-3	Total/NA	Water	SM 2320B	
870-41591-17	EB1	Total/NA	Water	SM 2320B	
870-41591-18	SSP MW-4	Total/NA	Water	SM 2320B	
MB 860-277016/3	Method Blank	Total/NA	Water	SM 2320B	
MB 860-277016/34	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-277016/35	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 860-277016/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-277016/36	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 860-277016/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 745745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	PrecSep-21	
870-41591-2	AP MW-5	Total/NA	Water	PrecSep-21	
870-41591-3	AP MW-4	Total/NA	Water	PrecSep-21	
870-41591-4	AP MW-3	Total/NA	Water	PrecSep-21	
870-41591-5	SSP MW-2	Total/NA	Water	PrecSep-21	
870-41591-6	SSP/AP MW-1	Total/NA	Water	PrecSep-21	
870-41591-7	FD2	Total/NA	Water	PrecSep-21	
870-41591-8	SFL MW-5	Total/NA	Water	PrecSep-21	
870-41591-9	MNW-18	Total/NA	Water	PrecSep-21	
870-41591-10	SFL MW-7	Total/NA	Water	PrecSep-21	
870-41591-11	SFL MW-3	Total/NA	Water	PrecSep-21	
870-41591-12	FD1	Total/NA	Water	PrecSep-21	
870-41591-13	MNW-15	Total/NA	Water	PrecSep-21	
870-41591-14	SFL MW-4	Total/NA	Water	PrecSep-21	
870-41591-15	SFL MW-2	Total/NA	Water	PrecSep-21	
870-41591-16	SSP MW-3	Total/NA	Water	PrecSep-21	
870-41591-17	EB1	Total/NA	Water	PrecSep-21	
870-41591-18	SSP MW-4	Total/NA	Water	PrecSep-21	
MB 160-745745/1-A	Method Blank	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 745745 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-745745/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 745746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	PrecSep_0	
870-41591-2	AP MW-5	Total/NA	Water	PrecSep_0	
870-41591-3	AP MW-4	Total/NA	Water	PrecSep_0	
870-41591-4	AP MW-3	Total/NA	Water	PrecSep_0	
870-41591-5	SSP MW-2	Total/NA	Water	PrecSep_0	
870-41591-6	SSP/AP MW-1	Total/NA	Water	PrecSep_0	
870-41591-7	FD2	Total/NA	Water	PrecSep_0	
870-41591-8	SFL MW-5	Total/NA	Water	PrecSep_0	
870-41591-9	MNW-18	Total/NA	Water	PrecSep_0	
870-41591-10	SFL MW-7	Total/NA	Water	PrecSep_0	
870-41591-11	SFL MW-3	Total/NA	Water	PrecSep_0	
870-41591-12	FD1	Total/NA	Water	PrecSep_0	
870-41591-13	MNW-15	Total/NA	Water	PrecSep_0	
870-41591-14	SFL MW-4	Total/NA	Water	PrecSep_0	
870-41591-15	SFL MW-2	Total/NA	Water	PrecSep_0	
870-41591-16	SSP MW-3	Total/NA	Water	PrecSep_0	
870-41591-17	EB1	Total/NA	Water	PrecSep_0	
870-41591-18	SSP MW-4	Total/NA	Water	PrecSep_0	
MB 160-745746/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-745746/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 745769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41591-1	AP MW-1D	Total/NA	Water	Fill_Geo-21	
870-41591-2	AP MW-5	Total/NA	Water	Fill_Geo-21	
870-41591-3	AP MW-4	Total/NA	Water	Fill_Geo-21	
870-41591-4	AP MW-3	Total/NA	Water	Fill_Geo-21	
870-41591-5	SSP MW-2	Total/NA	Water	Fill_Geo-21	
870-41591-6	SSP/AP MW-1	Total/NA	Water	Fill_Geo-21	
870-41591-7	FD2	Total/NA	Water	Fill_Geo-21	
870-41591-8	SFL MW-5	Total/NA	Water	Fill_Geo-21	
870-41591-9	MNW-18	Total/NA	Water	Fill_Geo-21	
870-41591-10	SFL MW-7	Total/NA	Water	Fill_Geo-21	
870-41591-11	SFL MW-3	Total/NA	Water	Fill_Geo-21	
870-41591-12	FD1	Total/NA	Water	Fill_Geo-21	
870-41591-13	MNW-15	Total/NA	Water	Fill_Geo-21	
870-41591-14	SFL MW-4	Total/NA	Water	Fill_Geo-21	
870-41591-15	SFL MW-2	Total/NA	Water	Fill_Geo-21	
870-41591-16	SSP MW-3	Total/NA	Water	Fill_Geo-21	
870-41591-17	EB1	Total/NA	Water	Fill_Geo-21	
870-41591-18	SSP MW-4	Total/NA	Water	Fill_Geo-21	
MB 160-745769/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-745769/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-41591-1 DU	AP MW-1D	Total/NA	Water	Fill_Geo-21	

Lab Chronicle

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: AP MW-1D

Date Collected: 11/11/25 15:05
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 13:24	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		1			277983	11/24/25 13:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276744	11/18/25 18:17	MD	EET HOU
Total/NA	Analysis	6020B		1			277344	11/19/25 23:56	SHZ	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:27	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			276432	11/17/25 12:49	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748539	12/09/25 03:43	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.03 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748957	12/11/25 18:12	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.03 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:04	SWS	EET SL

Client Sample ID: AP MW-5

Date Collected: 11/11/25 16:25
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 13:42	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 13:51	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		1			277983	11/24/25 13:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		50			277983	11/24/25 13:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276744	11/18/25 18:17	MD	EET HOU
Total/NA	Analysis	6020B		1			277344	11/19/25 23:59	SHZ	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276744	11/18/25 18:17	MD	EET HOU
Total/NA	Analysis	6020B		10			277344	11/20/25 00:02	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	276888	11/20/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			277419	11/20/25 19:03	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			276432	11/17/25 13:18	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748536	12/09/25 03:45	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.65 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748957	12/11/25 18:13	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.65 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:04	SWS	EET SL

Client Sample ID: AP MW-4

Date Collected: 11/11/25 16:55
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 14:00	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 14:10	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:06	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:12	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:26	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:31	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			276432	11/17/25 13:12	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748576	12/09/25 03:45	ASA	EET SL
Total/NA	Prep	PrecSep-21			1003.35 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748957	12/11/25 18:13	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.35 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:05	SWS	EET SL

Client Sample ID: AP MW-3

Date Collected: 11/12/25 11:10
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 14:19	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 14:28	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		1			277983	11/24/25 13:27	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276744	11/18/25 18:17	MD	EET HOU
Total/NA	Analysis	6020B		1			277344	11/20/25 00:12	SHZ	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:34	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			276432	11/17/25 12:33	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748538	12/09/25 03:46	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.80 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.80 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:06	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: SSP MW-2

Date Collected: 11/12/25 11:05
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 14:37	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 14:46	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		1			277983	11/24/25 13:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		50			277983	11/24/25 13:34	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276744	11/18/25 18:17	MD	EET HOU
Total/NA	Analysis	6020B		1			277344	11/20/25 00:15	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	276888	11/20/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			277419	11/20/25 19:04	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			276432	11/17/25 12:27	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748532	12/09/25 06:53	ASA	EET SL
Total/NA	Prep	PrecSep-21			1003.69 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.69 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:06	SWS	EET SL

Client Sample ID: SSP/AP MW-1

Date Collected: 11/12/25 11:10
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 15:13	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 15:22	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:07	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:35	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:38	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 12:12	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748533	12/09/25 06:54	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.12 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:22	SWS	EET SL

Client Sample ID: SSP/AP MW-1

Lab Sample ID: 870-41591-6

Date Collected: 11/12/25 11:10
Date Received: 11/14/25 10:26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1003.12 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:06	SWS	EET SL

Client Sample ID: FD2

Lab Sample ID: 870-41591-7

Date Collected: 11/12/25 11:25
Date Received: 11/14/25 10:26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 15:31	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 15:40	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277720	11/22/25 10:32	AGR	EET HOU
Total/NA	Analysis	6010D		1			277983	11/24/25 14:05	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:38	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:41	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 12:46	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748539	12/09/25 06:58	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.89 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.89 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:06	SWS	EET SL

Client Sample ID: SFL MW-5

Lab Sample ID: 870-41591-8

Date Collected: 11/12/25 13:10
Date Received: 11/14/25 10:26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 15:49	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 15:58	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:09	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:15	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:41	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:44	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 12:18	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL

Lab Chronicle

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: SFL MW-5

Lab Sample ID: 870-41591-8
Date Collected: 11/12/25 13:10
Matrix: Water
Date Received: 11/14/25 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748538	12/09/25 07:02	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.62 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:22	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.62 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:07	SWS	EET SL

Client Sample ID: MNW-18

Lab Sample ID: 870-41591-9
Date Collected: 11/12/25 14:45
Matrix: Water
Date Received: 11/14/25 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 16:07	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 16:16	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		1			277983	11/24/25 13:39	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		50			277983	11/24/25 13:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277156	11/20/25 10:00	MD	EET HOU
Total/NA	Analysis	6020B		1			277341	11/20/25 18:34	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	276888	11/20/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			277419	11/20/25 19:06	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 11:18	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748576	12/09/25 07:03	ASA	EET SL
Total/NA	Prep	PrecSep-21			1008.59 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:23	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.59 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:07	SWS	EET SL

Client Sample ID: SFL MW-7

Lab Sample ID: 870-41591-10
Date Collected: 11/12/25 15:00
Matrix: Water
Date Received: 11/14/25 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277119	11/20/25 16:26	RJD	EET HOU
Total/NA	Analysis	9056A		10			277119	11/20/25 16:35	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:29	JDM	EET HOU

Client Sample ID: SFL MW-7

Lab Sample ID: 870-41591-10

Date Collected: 11/12/25 15:00

Matrix: Water

Date Received: 11/14/25 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:44	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:48	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 11:38	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33613	11/17/25 17:27	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748532	12/09/25 11:15	ASA	EET SL
Total/NA	Prep	PrecSep-21			756.97 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:23	SWS	EET SL
Total/NA	Prep	PrecSep_0			756.97 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:07	SWS	EET SL

Client Sample ID: SFL MW-3

Lab Sample ID: 870-41591-11

Date Collected: 11/12/25 15:20

Matrix: Water

Date Received: 11/14/25 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277149	11/20/25 17:59	RJD	EET HOU
Total/NA	Analysis	9056A		10			277149	11/20/25 18:07	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		1			277983	11/24/25 13:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		50			277983	11/24/25 13:48	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277156	11/20/25 10:00	MD	EET HOU
Total/NA	Analysis	6020B		1			277341	11/20/25 18:37	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	276888	11/20/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			277419	11/20/25 19:07	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 13:03	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33697	11/19/25 18:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748533	12/09/25 11:17	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.13 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:23	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.13 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:08	SWS	EET SL

Client Sample ID: FD1

Lab Sample ID: 870-41591-12

Date Collected: 11/12/25 15:45

Matrix: Water

Date Received: 11/14/25 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277149	11/20/25 18:14	RJD	EET HOU
Total/NA	Analysis	9056A		10			277149	11/20/25 18:21	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:30	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:47	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		5			277663	11/21/25 12:48	SHZ	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		5			277909	11/21/25 22:59	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:51	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 11:24	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33697	11/19/25 18:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748576	12/09/25 11:18	ASA	EET SL
Total/NA	Prep	PrecSep-21			1000.39 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:23	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.39 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:08	SWS	EET SL

Client Sample ID: MNW-15

Lab Sample ID: 870-41591-13

Date Collected: 11/12/25 16:35

Matrix: Water

Date Received: 11/14/25 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277149	11/20/25 18:43	RJD	EET HOU
Total/NA	Analysis	9056A		10			277149	11/20/25 18:51	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		1			277983	11/24/25 13:42	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277722	11/22/25 10:36	AGR	EET HOU
Total/NA	Analysis	6010D		50			277983	11/24/25 13:50	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277156	11/20/25 10:00	MD	EET HOU
Total/NA	Analysis	6020B		1			277341	11/20/25 18:40	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277156	11/20/25 10:00	MD	EET HOU
Total/NA	Analysis	6020B		5			277341	11/20/25 18:44	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	276888	11/20/25 07:50	AGR	EET HOU
Total/NA	Analysis	7470A		1			277419	11/20/25 19:08	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 13:51	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33697	11/19/25 18:06	TM	EET DAL

Lab Chronicle

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: MNW-15
Date Collected: 11/12/25 16:35
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748539	12/09/25 11:16	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.62 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:23	SWS	EET SL
Total/NA	Prep	PrecSep_0			1000.62 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:08	SWS	EET SL

Client Sample ID: SFL MW-4
Date Collected: 11/12/25 17:10
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277149	11/20/25 18:58	RJD	EET HOU
Total/NA	Analysis	9056A		10			277149	11/20/25 19:06	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:32	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:50	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:55	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 12:52	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33697	11/19/25 18:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748536	12/09/25 11:17	MLS	EET SL
Total/NA	Prep	PrecSep-21			751.90 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:23	SWS	EET SL
Total/NA	Prep	PrecSep_0			751.90 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748957	12/11/25 12:08	SWS	EET SL

Client Sample ID: SFL MW-2
Date Collected: 11/13/25 09:45
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			277149	11/20/25 19:20	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:34	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: SFL MW-2

Lab Sample ID: 870-41591-15

Date Collected: 11/13/25 09:45
Date Received: 11/14/25 10:26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:53	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 20:58	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 12:06	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33697	11/19/25 18:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748532	12/09/25 13:41	ASA	EET SL
Total/NA	Prep	PrecSep-21			752.16 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			748960	12/11/25 18:23	SWS	EET SL
Total/NA	Prep	PrecSep_0			752.16 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748960	12/11/25 12:16	SWS	EET SL

Client Sample ID: SSP MW-3

Lab Sample ID: 870-41591-16

Date Collected: 11/13/25 12:05
Date Received: 11/14/25 10:26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277149	11/20/25 19:28	RJD	EET HOU
Total/NA	Analysis	9056A		10			277149	11/20/25 19:35	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:40	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:48	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/20/25 23:56	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 21:08	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 12:58	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33697	11/19/25 18:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748533	12/09/25 13:42	MLS	EET SL
Total/NA	Prep	PrecSep-21			755.93 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			749173	12/12/25 07:41	SWS	EET SL
Total/NA	Prep	PrecSep_0			755.93 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748960	12/11/25 12:16	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Client Sample ID: EB1

Date Collected: 11/13/25 13:25
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277149	11/20/25 20:12	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:27	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276928	11/19/25 13:23	MD	EET HOU
Total/NA	Analysis	6020B		1			277511	11/21/25 00:00	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 21:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 11:56	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	33697	11/19/25 18:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748576	12/09/25 13:42	ASA	EET SL
Total/NA	Prep	PrecSep-21			1001.47 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			749173	12/12/25 07:41	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.47 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748960	12/11/25 12:17	SWS	EET SL

Client Sample ID: SSP MW-4

Date Collected: 11/13/25 15:20
Date Received: 11/14/25 10:26

Lab Sample ID: 870-41591-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277149	11/20/25 20:27	RJD	EET HOU
Total/NA	Analysis	9056A		10			277149	11/20/25 20:34	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			277842	11/21/25 16:42	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277457	11/21/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			277842	11/21/25 16:50	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276930	11/19/25 13:25	MD	EET HOU
Total/NA	Analysis	6020B		1			277341	11/20/25 19:43	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	276930	11/19/25 13:25	MD	EET HOU
Total/NA	Analysis	6020B		5			277341	11/20/25 19:46	DP	EET HOU
Total/NA	Prep	7470A			5 mL	5 mL	276892	11/19/25 11:56	AGR	EET HOU
Total/NA	Analysis	7470A		1			277067	11/19/25 21:15	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277016	11/19/25 12:23	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33697	11/19/25 18:06	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33623	11/17/25 18:19	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	745769	11/18/25 10:10	DC	EET SL
Total/NA	Analysis	901.1		1			748539	12/09/25 13:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			1009.10 mL	1.0 g	745745	11/18/25 07:54	VLQ	EET SL
Total/NA	Analysis	903.0		1			749173	12/12/25 07:41	SWS	EET SL
Total/NA	Prep	PrecSep_0			1009.10 mL	1.0 g	745746	11/18/25 07:57	VLQ	EET SL
Total/NA	Analysis	904.0		1			748960	12/11/25 12:17	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: Semi-Annual CCR

Job ID: 870-41591-1
SDG: 1029148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-41591-1	AP MW-1D	Water	11/11/25 15:05	11/14/25 10:26	Texas
870-41591-2	AP MW-5	Water	11/11/25 16:25	11/14/25 10:26	Texas
870-41591-3	AP MW-4	Water	11/11/25 16:55	11/14/25 10:26	Texas
870-41591-4	AP MW-3	Water	11/12/25 11:10	11/14/25 10:26	Texas
870-41591-5	SSP MW-2	Water	11/12/25 11:05	11/14/25 10:26	Texas
870-41591-6	SSP/AP MW-1	Water	11/12/25 11:10	11/14/25 10:26	Texas
870-41591-7	FD2	Water	11/12/25 11:25	11/14/25 10:26	Texas
870-41591-8	SFL MW-5	Water	11/12/25 13:10	11/14/25 10:26	Texas
870-41591-9	MNW-18	Water	11/12/25 14:45	11/14/25 10:26	Texas
870-41591-10	SFL MW-7	Water	11/12/25 15:00	11/14/25 10:26	Texas
870-41591-11	SFL MW-3	Water	11/12/25 15:20	11/14/25 10:26	Texas
870-41591-12	FD1	Water	11/12/25 15:45	11/14/25 10:26	Texas
870-41591-13	MNW-15	Water	11/12/25 16:35	11/14/25 10:26	Texas
870-41591-14	SFL MW-4	Water	11/12/25 17:10	11/14/25 10:26	Texas
870-41591-15	SFL MW-2	Water	11/13/25 09:45	11/14/25 10:26	Texas
870-41591-16	SSP MW-3	Water	11/13/25 12:05	11/14/25 10:26	Texas
870-41591-17	EB1	Water	11/13/25 13:25	11/14/25 10:26	Texas
870-41591-18	SSP MW-4	Water	11/13/25 15:20	11/14/25 10:26	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/23/2025

Client Information	Sampler: Emma Foley	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 14999-5042.1 (870-45038-5665.1 EF)
Client Contact: Emma Foley	Phone: 7202422831	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: TX	Page: 1 OF 2
Company: HDR Inc	PWSID:			Job #: 1029148
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Emma.Foley@hdrinc.com	WO #:			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-228/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A Total	6010D, 7470A, 6020B Dissolved	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS						Total Number of containers	Special Instructions/Note:
Preservation Code:							D	D	N	N	N	D	D	N	N							
AP MW-1D	11-11-25	1505	G	Water	N	N	X	X	X	X	X	X		X	X						6	
AP MW-5	11-11-25	1625	G	Water	N	N	X	X	X	X	X	X		X	X						6	
AP MW-4	11-11-25	1655	G	Water	N	N	X	X	X	X	X	X		X	X						6	
AP MW-3	11-12-25	1110	G	Water	N	N	X	X	X	X	X	X		X	X						6	
SSP MW-2	11-12-25	1105	G	Water	N	N	X	X	X	X	X	X		X	X						6	
SSP/AP MW-1	11-12-25	1110	G	Water	N	N	X	X	X	X	X	X		X	X						6	
FD 2	11-12-25	1125	G	Water	N	N	X	X	X	X	X	X		X	X							
SFL MW-5	11-12-25	1310	G	Water	N	N	X	X	X	X	X	X		X	X							
MNW-18	11-12-25	1745	G	Water	N	N	X	X	X	X	X	X		X	X							
SFL MW-7	11-12-25	1500	G	Water	N	N	X	X	X	X	X	X		X	X							
SFL MW-3	11-12-25	1520	G	Water	N	N	X	X	X	X	X	X		X	X							

870-41591 Chain of Custody

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:
TV ~~8265~~ 8258 6161 1259, 1260, 1270, 1281, 1292

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

Relinquished by: Emma Foley EF	Date/Time: 11-13-25 1520	Company HDR	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time: 11/14/25 10:26	Company	Received by:	Date/Time: 11/14/25 10:26	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: THM027 CF -0.6 0.8/0.2, 0.6/0.0, 1.0/0.4, 0.8/0.2, 0.8/0.2

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/23/2025

Client Information	Sampler: Emma Foley	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14999-5042.1
Client Contact: Emma Foley	Phone: 7202422831	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: TX	Page: 2 OF 2
Company: HDR Inc	PWSID:			Job #: 10290148
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Emma.Foley@hdrinc.com	WO #:			
Project Name: Semi-Annual CCR	Project #: 87002063			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A Total	6010D, 7470A, 6020B Dissolved	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N						
FDi	11-12-25	1545	G	W	N	N	X	X	X	X	X	X		X	X					6	
MNW-15	11-12-25	1635	G	W	N	N	X	X	X	X	X	X		X	X					6	
SFL MW-4	11-12-25	1710	G	W	N	N	X	X	X	X	X	X		X	X					6	
SFL MW-2	11-13-25	0945	G	W	N	N	X	X	X	X	X	X		X	X					6	
SSP MW-3	11-13-25	1205	G	W	N	N	X	X	X	X	X	X		X	X					6	
EBi	11-13-25	1325	G	W	N	N	X	X	X	X	X	X		X	X					6	
SSP MW-4	11-13-25	1520	G	W	N	N	X	X	X	X	X	X		X	X					6	

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
	Relinquished by: Emma Foley EF	11-13-25 1520	HDR	Received by: FedEx		
TV	Relinquished by: FedEx	11/14/25 10:26		Received by:	11/14/25 10:26	
	Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: THM027 CF -0.6 0.8/0.2, 0.6/0.0, 1.0/0.4, 0.8/0.2, 0.8/0.2

Ver: 05/06/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9485.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-41591-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/21/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP MW-1D (870-41591-1)	11/11/25	15:05 Central	G	Water			X	X	X	2	
AP MW-5 (870-41591-2)	11/11/25	16:25 Central	G	Water			X	X	X	2	
AP MW-4 (870-41591-3)	11/11/25	16:55 Central	G	Water			X	X	X	2	
AP MW-3 (870-41591-4)	11/12/25	11:10 Central	G	Water			X	X	X	2	
SSP MW-2 (870-41591-5)	11/12/25	11:05 Central	G	Water			X	X	X	2	
SSP/AP MW-1 (870-41591-6)	11/12/25	11:10 Central	G	Water			X	X	X	2	
FD2 (870-41591-7)	11/12/25	11:25 Central	G	Water			X	X	X	2	
SFL MW-5 (870-41591-8)	11/12/25	13:10 Central	G	Water			X	X	X	2	
MNW-18 (870-41591-9)	11/12/25	14:45 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by:	Date/Time: 111425-1700	Company	Received by: NOV 14 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0820 NOV 17 2025	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

12/23/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9489.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-41591 1
Address: 4145 Greenbriar Dr	Due Date Requested: 11/20/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AP MW-1D (870-41591 1)	11/11/25	15:05 Central	G	Water			X	X	X	X	X	2	
AP MW-5 (870-41591-2)	11/11/25	16:25 Central	G	Water			X	X	X	X	X	2	
AP MW-4 (870-41591-3)	11/11/25	16:55 Central	G	Water			X	X	X	X	X	2	
AP MW-3 (870-41591-4)	11/12/25	11:10 Central	G	Water			X	X	X	X	X	2	
SSP MW-2 (870-41591-5)	11/12/25	11:05 Central	G	Water			X	X	X	X	X	2	
SSP/AP MW-1 (870-41591-6)	11/12/25	11 10 Central	G	Water			X	X	X	X	X	2	
FD2 (870-41591-7)	11/12/25	11:25 Central	G	Water			X	X	X	X	X	2	
SFL MW-5 (870-41591-8)	11/12/25	13:10 Central	G	Water			X	X	X	X	X	2	
MNW-18 (870-41591-9)	11/12/25	14:45 Central	G	Water			X	X	X	X	X	2	

Analysis Requested

Preservation Codes:

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by: TPX	Date/Time:	Company
Relinquished by:	Date/Time: 11/14/25 - 1300	Company	Received by: NOV 14 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11-15-25 0800	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: IR268 2.1°

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

12/23/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9489.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-41591 1
Address: 4145 Greenbriar Dr	Due Date Requested: 11/20/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SFL MW-7 (870-41591 10)	11/12/25	15:00 Central	G	Water			X	X	X	X	X	2	
SFL MW-3 (870-41591 11)	11/12/25	15:20 Central	G	Water			X	X	X	X	X	2	
FD1 (870-41591-12)	11/12/25	15:45 Central	G	Water			X	X	X	X	X	2	
MNW-15 (870-41591-13)	11/12/25	16:35 Central	G	Water			X	X	X	X	X	2	
SFL MW-4 (870-41591 14)	11/12/25	17:10 Central	G	Water			X	X	X	X	X	2	
SFL MW-2 (870-41591 15)	11/13/25	09:45 Central	G	Water			X	X	X	X	X	2	
SSP MW-3 (870-41591-16)	11/13/25	12:05 Central	G	Water			X	X	X	X	X	2	
EB1 (870-41591 17)	11/13/25	13:25 Central	G	Water			X	X	X	X	X	2	
SSP MW-4 (870-41591 18)	11/13/25	15:20 Central	G	Water			X	X	X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by: TPX	Date/Time:	Company
Relinquished by:	Date/Time: 11/14/25 1700	Company	Received by: NOV 14 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11-19-25 08a	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41591-1
SDG Number: 1029148

Login Number: 41591
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41591-1
SDG Number: 1029148

Login Number: 41591
List Number: 2
Creator: Silva, Daniel

List Source: Eurofins Houston
List Creation: 11/15/25 09:57 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41591-1
SDG Number: 1029148

Login Number: 41591
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 11/17/25 01:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Brad Woodard
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 12/29/2025 12:01:57 PM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station
10290148

JOB NUMBER

870-41696-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

my EOL

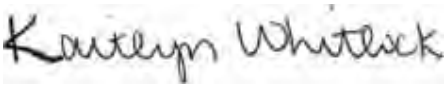
Eurofins Dallas

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
Kaitlyn Whitlock, Project Manager
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Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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
870-41696-1

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 11/19/2025 8:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.0°C, 1.6°C, 2.2°C, 3.2°C and 3.6°C.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-277884 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9056A_ORGFM_28D: Due to the high concentration of Chloride and Sulfate,the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-277884 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 860-278310 contained Chloride above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSP MW-4S (870-41696-1), FD3 (870-41696-2), SSP MW-6S (870-41696-3), SSP MW-5S (870-41696-4), SSP MW-3D (870-41696-8), SSP MW-2D (870-41696-9), AP MW-1 (870-41696-14), AP MW-4S (870-41696-15), AP PZ-1 (870-41696-16) and AP MW-5D (870-41696-17). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-278310 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A_ORGFM_28D: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-278310 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-278310 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-278310 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9056A_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 860-278310 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride and Sulfate in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Job ID: 870-41696-1 (Continued) Eurofins Dallas

Method 9056A_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 860-278310 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Sulfate in the MS/MSD was above the instrument calibration range. The 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 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-277808 and analytical batch 860-278015 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-277856 and 860-277922 and analytical batch 860-278138 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-278138 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010D: The method blank for preparation batch 860-278581 and analytical batch 860-279026 contained Lithium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-279026 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010D - Dissolved: The method blank for preparation batch 860-277436 and 860-278151 and analytical batch 860-278460 contained Lithium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D - Dissolved: The continuing calibration blank (CCB) for analytical batch 860-278460 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-277809 and analytical batch 860-278112 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSP MW-4S (870-41696-1), FD3 (870-41696-2), AP MW-7S (870-41696-13), AP MW-4S (870-41696-15) and AP MW-5D (870-41696-17). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SSP MW-4S (870-41696-1), FD3 (870-41696-2), SSP MW-6S (870-41696-3), SSP MW-5S (870-41696-4), FD4 (870-41696-5), AP PZ-4S (870-41696-6), EB2 (870-41696-7), SSP MW-3D (870-41696-8), SSP MW-2D (870-41696-9), SSP MW-6D (870-41696-10), SSP MW-5D (870-41696-11), AP MW-1D (870-41696-12), AP MW-7S (870-41696-13), AP MW-1 (870-41696-14), AP MW-4S (870-41696-15), AP PZ-1 (870-41696-16) and AP MW-5D (870-41696-17).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 746339
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SSP MW-4S (870-41696-1), FD3 (870-41696-2), AP PZ-4S (870-41696-6), EB2 (870-41696-7), SSP MW-3D (870-41696-8), SSP

MW-2D (870-41696-9), SSP MW-6D (870-41696-10), SSP MW-5D (870-41696-11), AP MW-7S (870-41696-13), AP MW-1 (870-41696-14), AP MW-4S (870-41696-15) and AP MW-5D (870-41696-17)

Method 901.1_Ra: Gamma Batch 746339
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-746339/1-A).

Method 901.1_Ra: Gamma Batch 746339
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SSP MW-4S (870-41696-1), FD3 (870-41696-2), SSP MW-6S (870-41696-3), SSP MW-5S (870-41696-4), FD4 (870-41696-5), AP PZ-4S (870-41696-6), EB2 (870-41696-7), SSP MW-3D (870-41696-8), SSP MW-2D (870-41696-9), SSP MW-6D (870-41696-10), SSP MW-5D (870-41696-11), AP MW-1D (870-41696-12), AP MW-7S (870-41696-13), AP MW-1 (870-41696-14), AP MW-4S (870-41696-15), AP PZ-1 (870-41696-16), AP MW-5D (870-41696-17) and (870-41696-A-1-B DU)

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

Gas Flow Proportional Counter
Method 903.0: Radium 226 Prep Batch 160-746315

Insufficient sample volume was available to perform a sample duplicate for the following samples: SSP MW-6S (870-41696-3), SSP MW-5S (870-41696-4), FD4 (870-41696-5), AP PZ-4S (870-41696-6), EB2 (870-41696-7), AP MW-1D (870-41696-12), AP MW-7S (870-41696-13) and AP MW-1 (870-41696-14). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 904.0: Radium 228 Prep Batch 160-746323

Insufficient sample volume was available to perform a sample duplicate for the following samples: SSP MW-6S (870-41696-3), SSP MW-5S (870-41696-4), FD4 (870-41696-5), AP PZ-4S (870-41696-6), EB2 (870-41696-7), AP MW-1D (870-41696-12), AP MW-7S (870-41696-13) and AP MW-1 (870-41696-14). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Job ID: 870-41696-1 (Continued)

Method 904.0: Radium 228 Batch 746323

The Radium-228 laboratory control sample and laboratory control sample duplicate (LCS/LCSD) associated with the following samples recovered at 137 and 127%: (LCS 160-746323/2-A) and (LCSD 160-746323/3-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

Method 904.0: Radium 228 Batch 746323

The detection goal was not met for the following sample due to the presence of matrix interferences: SSP MW-5D (870-41696-11). Analytical results are reported with the detection limit achieved.

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

Client Sample ID: SSP MW-4S

Date Collected: 11/17/25 09:45
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**2.50**		0.500	0.100	mg/L			11/25/25 22:06	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**525**		5.00	2.50	mg/L			11/25/25 22:13	10
Sulfate	**3090**		5.00	2.00	mg/L			11/25/25 22:13	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**10.5**		0.0500	0.0162	mg/L		11/24/25 00:10	11/24/25 11:13	1
Calcium	**550**		10.0	5.08	mg/L		11/24/25 00:10	11/24/25 11:21	50
Magnesium	**213**		0.200	0.0445	mg/L		11/24/25 00:10	11/24/25 11:13	1
Potassium	**35.1**		0.500	0.106	mg/L		11/24/25 00:10	11/24/25 11:13	1
Sodium	**449**		25.0	7.59	mg/L		11/24/25 00:10	11/24/25 11:21	50
Lithium	**0.176**		0.0400	0.0174	mg/L		11/24/25 00:10	11/24/25 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**22.5**		0.100	0.0275	mg/L		11/24/25 11:30	11/25/25 16:04	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:00	1
Arsenic	**0.0112**		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:00	1
Barium	**0.0217**		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:00	1
Beryllium	**0.0223**		0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:00	1
Cadmium	**0.00191**	**J**	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:00	1
Chromium	**0.00160**	**J**	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:00	1
Cobalt	**0.101**		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:00	1
Iron	**40.3**		0.100	0.0223	mg/L		11/24/25 11:30	11/25/25 16:04	5
Lead	**0.0147**		0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:00	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:00	1
Selenium	**0.0502**		0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:00	1
Thallium	**0.00314**		0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000155**	**J**	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/21/25 14:13	1
Total Dissolved Solids (SM 2540C)	**4540**		20.0	20.0	mg/L			11/20/25 16:04	1
pH (SM 4500 H+ B)	**3.6**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**22.4**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	11.2	U G	19.4	19.4	50.0	59.9	pCi/L	11/21/25 09:31	12/12/25 01:24	1
Radium-228	14.9	U G	39.3	39.3	50.0	55.4	pCi/L	11/21/25 09:31	12/12/25 01:24	1
Combined Radium 226 + 228	26.1	U	43.8	43.8		59.9	pCi/L	11/21/25 09:31	12/12/25 01:24	1

Client Sample ID: SSP MW-4S

Lab Sample ID: 870-41696-1
Matrix: Water
Date Collected: 11/17/25 09:45
Date Received: 11/19/25 08:57

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.47		0.380	0.440	1.00	0.199	pCi/L	11/21/25 07:38	12/15/25 21:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.76		1.19	1.49	1.00	0.876	pCi/L	11/21/25 07:50	12/12/25 09:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*
Y Carrier	*84.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*

Client Sample ID: FD3

Lab Sample ID: 870-41696-2
Matrix: Water
Date Collected: 11/17/25 10:15
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	2.60		0.500	0.100	mg/L			11/25/25 21:51	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	579		5.00	2.50	mg/L			11/25/25 21:58	10
Sulfate	3450		5.00	2.00	mg/L			11/25/25 21:58	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	11.6		0.0500	0.0162	mg/L		11/24/25 09:07	11/24/25 17:45	1
Calcium	503		0.200	0.102	mg/L		11/24/25 09:07	11/24/25 17:45	1
Magnesium	235		0.200	0.0445	mg/L		11/24/25 09:07	11/24/25 17:45	1
Potassium	38.8		0.500	0.106	mg/L		11/24/25 09:07	11/24/25 17:45	1
Sodium	479		25.0	7.59	mg/L		11/24/25 09:07	11/24/25 17:52	50
Lithium	0.284		0.0400	0.0174	mg/L		11/24/25 09:07	11/24/25 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25.4		0.100	0.0275	mg/L		11/24/25 11:30	11/25/25 16:10	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:06	1
Arsenic	0.0122		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:06	1
Barium	0.0247		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:06	1
Beryllium	0.0253		0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:06	1
Cadmium	0.00213		0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:06	1
Chromium	0.00239	J	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:06	1
Cobalt	0.111		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:06	1
Iron	45.3		0.100	0.0223	mg/L		11/24/25 11:30	11/25/25 16:10	5
Lead	0.0171		0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:06	1

Client Sample ID: FD3

Date Collected: 11/17/25 10:15
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:06	1
Selenium	**0.0550**		0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:06	1
Thallium	**0.00361**		0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000169**	**J**	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 18:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/21/25 14:22	1
Total Dissolved Solids (SM 2540C)	**4720**		20.0	20.0	mg/L			11/20/25 16:04	1
pH (SM 4500 H+ B)	**3.7**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**23.1**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-10.2	U G	28.7	28.7	50.0	88.0	pCi/L	11/21/25 09:31	12/12/25 07:28	1
Radium-228	2.46	U G	5.06	5.06	50.0	92.2	pCi/L	11/21/25 09:31	12/12/25 07:28	1
Combined Radium 226 + 228	-7.78	U	29.1	29.1		92.2	pCi/L	11/21/25 09:31	12/12/25 07:28	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.97**		0.438	0.513	1.00	0.275	pCi/L	11/21/25 07:38	12/15/25 21:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.7*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**10.5**		1.28	1.61	1.00	0.876	pCi/L	11/21/25 07:50	12/12/25 09:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.7*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*
Y Carrier	*83.0*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*

Client Sample ID: SSP MW-6S

Date Collected: 11/17/25 13:15
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-3

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.616**		0.500	0.100	mg/L			11/25/25 21:36	1

Client Sample ID: SSP MW-6S

Date Collected: 11/17/25 13:15
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-3

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1770**		5.00	2.50	mg/L			11/25/25 21:44	10
Sulfate	**2890**		5.00	2.00	mg/L			11/25/25 21:44	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.384**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:47	1
Calcium	**654**		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 20:47	1
Magnesium	**189**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:47	1
Potassium	**49.6**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:47	1
Sodium	**1130**	**^2**	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:53	50
Lithium	**0.499**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.619**		0.0200	0.00549	mg/L		11/24/25 00:12	11/24/25 19:28	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 00:12	11/24/25 19:28	1
Arsenic	**0.00174**	**J**	0.00400	0.000690	mg/L		11/24/25 00:12	11/24/25 19:28	1
Barium	**0.0161**		0.00400	0.00134	mg/L		11/24/25 00:12	11/24/25 19:28	1
Beryllium	**0.0601**		0.00200	0.000271	mg/L		11/24/25 00:12	11/24/25 19:28	1
Cadmium	<0.000240	U F1	0.00200	0.000240	mg/L		11/24/25 00:12	11/24/25 19:28	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 00:12	11/24/25 19:28	1
Cobalt	**0.0137**		0.00200	0.000355	mg/L		11/24/25 00:12	11/24/25 19:28	1
Iron	**7.76**		0.0200	0.00445	mg/L		11/24/25 00:12	11/24/25 19:28	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 00:12	11/24/25 19:28	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 00:12	11/24/25 19:28	1
Selenium	<0.000590	U F1	0.00200	0.000590	mg/L		11/24/25 00:12	11/24/25 19:28	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 00:12	11/24/25 19:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 18:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**42.3**		4.00	4.00	mg/L			11/21/25 14:17	1
Total Dissolved Solids (SM 2540C)	**6200**		20.0	20.0	mg/L			11/20/25 16:04	1
pH (SM 4500 H+ B)	**5.2**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**22.8**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	18.5	U	16.2	16.3	50.0	25.5	pCi/L	11/21/25 09:31	12/12/25 07:29	1
Radium-228	8.75	U	28.1	28.1	50.0	47.1	pCi/L	11/21/25 09:31	12/12/25 07:29	1
Combined Radium 226 + 228	27.2	U	32.4	32.5		47.1	pCi/L	11/21/25 09:31	12/12/25 07:29	1

Client Sample ID: SSP MW-6S

Lab Sample ID: 870-41696-3
Matrix: Water
Date Collected: 11/17/25 13:15
Date Received: 11/19/25 08:57

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.332		0.145	0.149	1.00	0.175	pCi/L	11/21/25 07:38	12/15/25 21:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:05*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.94		0.624	0.680	1.00	0.614	pCi/L	11/21/25 07:50	12/12/25 09:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*
Y Carrier	*83.4*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*

Client Sample ID: SSP MW-5S

Lab Sample ID: 870-41696-4
Matrix: Water
Date Collected: 11/17/25 13:05
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 21:07	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2080		5.00	2.50	mg/L			11/25/25 21:14	10
Sulfate	911		5.00	2.00	mg/L			11/25/25 21:14	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.223		0.0500	0.0162	mg/L		11/24/25 09:07	11/24/25 18:03	1
Calcium	416		0.200	0.102	mg/L		11/24/25 09:07	11/24/25 18:03	1
Magnesium	85.6		0.200	0.0445	mg/L		11/24/25 09:07	11/24/25 18:03	1
Potassium	30.3		0.500	0.106	mg/L		11/24/25 09:07	11/24/25 18:03	1
Sodium	1020		25.0	7.59	mg/L		11/24/25 09:07	11/24/25 18:11	50
Lithium	0.325		0.0400	0.0174	mg/L		11/24/25 09:07	11/24/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0490		0.0200	0.00549	mg/L		11/24/25 00:12	11/24/25 20:33	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 00:12	11/24/25 20:33	1
Arsenic	0.00268	J	0.00400	0.000690	mg/L		11/24/25 00:12	11/24/25 20:33	1
Barium	0.0235		0.00400	0.00134	mg/L		11/24/25 00:12	11/24/25 20:33	1
Beryllium	0.00197	J	0.00200	0.000271	mg/L		11/24/25 00:12	11/24/25 20:33	1
Cadmium	0.00165	J	0.00200	0.000240	mg/L		11/24/25 00:12	11/24/25 20:33	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 00:12	11/24/25 20:33	1
Cobalt	0.0315		0.00200	0.000355	mg/L		11/24/25 00:12	11/24/25 20:33	1
Iron	0.774		0.0200	0.00445	mg/L		11/24/25 00:12	11/24/25 20:33	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 00:12	11/24/25 20:33	1

Client Sample ID: SSP MW-5S

Lab Sample ID: 870-41696-4
Matrix: Water
Date Collected: 11/17/25 13:05
Date Received: 11/19/25 08:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	**0.000267**	**J**	0.00200	0.000255	mg/L		11/24/25 00:12	11/24/25 20:33	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 00:12	11/24/25 20:33	1
Thallium	**0.00114**	**J**	0.00200	0.000415	mg/L		11/24/25 00:12	11/24/25 20:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**41.6**		4.00	4.00	mg/L			11/21/25 15:30	1
Total Dissolved Solids (SM 2540C)	**4550**		20.0	20.0	mg/L			11/20/25 16:04	1
pH (SM 4500 H+ B)	**5.4**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**22.3**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	10.9	U	14.2	14.2	50.0	46.3	pCi/L	11/21/25 09:31	12/12/25 07:28	1
Radium-228	6.86	U	25.7	25.7	50.0	43.2	pCi/L	11/21/25 09:31	12/12/25 07:28	1
Combined Radium 226 + 228	17.7	U	29.4	29.4		46.3	pCi/L	11/21/25 09:31	12/12/25 07:28	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.697**		0.189	0.199	1.00	0.147	pCi/L	11/21/25 07:38	12/15/25 21:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.50**		0.650	0.689	1.00	0.721	pCi/L	11/21/25 07:50	12/12/25 09:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*
Y Carrier	*80.0*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*

Client Sample ID: FD4

Lab Sample ID: 870-41696-5
Matrix: Water
Date Collected: 11/17/25 10:20
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3090**		5.00	2.50	mg/L			11/25/25 02:23	10
Fluoride	<1.00	U	5.00	1.00	mg/L			11/25/25 02:23	10
Sulfate	**1250**		5.00	2.00	mg/L			11/25/25 02:23	10

Client Sample ID: FD4

Date Collected: 11/17/25 10:20
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-5

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.0576**		0.0500	0.0162	mg/L		11/26/25 12:42	12/01/25 13:34	1
Calcium	**47.4**		0.200	0.102	mg/L		11/26/25 12:42	12/01/25 13:34	1
Magnesium	**3.88**		0.200	0.0445	mg/L		11/26/25 12:42	12/01/25 13:34	1
Potassium	**4.52**		0.500	0.106	mg/L		11/26/25 12:42	12/01/25 13:34	1
Sodium	**15.3**		0.500	0.152	mg/L		11/26/25 12:42	12/01/25 13:34	1
Lithium	**0.0272**	**J B**	0.0400	0.0174	mg/L		11/26/25 12:42	12/01/25 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 00:12	11/24/25 20:44	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 00:12	11/24/25 20:44	1
Arsenic	**0.00638**		0.00400	0.000690	mg/L		11/24/25 00:12	11/24/25 20:44	1
Barium	**0.0534**		0.00400	0.00134	mg/L		11/24/25 00:12	11/24/25 20:44	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 00:12	11/24/25 20:44	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 00:12	11/24/25 20:44	1
Chromium	**0.00226**	**J**	0.00400	0.000560	mg/L		11/24/25 00:12	11/24/25 20:44	1
Cobalt	**0.00596**		0.00200	0.000355	mg/L		11/24/25 00:12	11/24/25 20:44	1
Iron	**0.685**		0.0200	0.00445	mg/L		11/24/25 00:12	11/24/25 20:44	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 00:12	11/24/25 20:44	1
Molybdenum	**0.00192**	**J**	0.00200	0.000255	mg/L		11/24/25 00:12	11/24/25 20:44	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 00:12	11/24/25 20:44	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 00:12	11/24/25 20:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**186**		4.00	4.00	mg/L			11/21/25 16:09	1
Total Dissolved Solids (SM 2540C)	**6790**		50.0	50.0	mg/L			11/20/25 16:04	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**23.0**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	28.0	U	21.2	21.4	50.0	28.9	pCi/L	11/21/25 09:31	12/12/25 07:29	1
Radium-228	29.9	U	27.3	27.4	50.0	39.8	pCi/L	11/21/25 09:31	12/12/25 07:29	1
Combined Radium 226 + 228	**57.8**		34.6	34.8		39.8	pCi/L	11/21/25 09:31	12/12/25 07:29	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.49**		0.264	0.296	1.00	0.157	pCi/L	11/21/25 07:38	12/15/25 21:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:06*	*1*

Client Sample ID: FD4

Lab Sample ID: 870-41696-5
Date Collected: 11/17/25 10:20
Matrix: Water
Date Received: 11/19/25 08:57

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.52**		0.754	0.821	1.00	0.796	pCi/L	11/21/25 07:50	12/12/25 09:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:53*	*1*

Client Sample ID: AP PZ-4S

Lab Sample ID: 870-41696-6
Date Collected: 11/17/25 09:50
Matrix: Water
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2390**		5.00	2.50	mg/L			11/25/25 02:03	10
Fluoride	<1.00	U	5.00	1.00	mg/L			11/25/25 02:03	10
Sulfate	**950**		5.00	2.00	mg/L			11/25/25 02:03	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.01**	**F1**	0.0500	0.0162	mg/L		11/24/25 00:10	11/24/25 10:55	1
Calcium	**890**		10.0	5.08	mg/L		11/24/25 00:10	11/24/25 11:03	50
Magnesium	**147**		0.200	0.0445	mg/L		11/24/25 00:10	11/24/25 10:55	1
Potassium	**96.3**		0.500	0.106	mg/L		11/24/25 00:10	11/24/25 10:55	1
Sodium	**1250**		25.0	7.59	mg/L		11/24/25 00:10	11/24/25 11:03	50
Lithium	**0.811**		0.0400	0.0174	mg/L		11/24/25 00:10	11/24/25 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 16:13	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:13	1
Arsenic	**0.00665**		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:13	1
Barium	**0.0539**		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:13	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:13	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:13	1
Chromium	**0.00132**	**J**	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:13	1
Cobalt	**0.00593**		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:13	1
Iron	**0.695**		0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 16:13	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:13	1
Molybdenum	**0.00186**	**J**	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:13	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:13	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**189**		4.00	4.00	mg/L			11/21/25 16:33	1
Total Dissolved Solids (SM 2540C)	**6590**		50.0	50.0	mg/L			11/20/25 16:04	1

Client Sample ID: AP PZ-4S

Lab Sample ID: 870-41696-6
Matrix: Water
Date Collected: 11/17/25 09:50
Date Received: 11/19/25 08:57

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	6.6	HF			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	20.9	HF			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.845	U G	2.28	2.28	50.0	87.8	pCi/L	11/21/25 09:31	12/12/25 09:05	1
Radium-228	18.6	U G	50.7	50.8	50.0	61.8	pCi/L	11/21/25 09:31	12/12/25 09:05	1
Combined Radium 226 + 228	17.7	U	50.8	50.9		87.8	pCi/L	11/21/25 09:31	12/12/25 09:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.43		0.254	0.285	1.00	0.129	pCi/L	11/21/25 07:38	12/15/25 21:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.32		0.696	0.760	1.00	0.696	pCi/L	11/21/25 07:50	12/12/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:54*	*1*
Y Carrier	*75.1*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:54*	*1*

Client Sample ID: EB2

Lab Sample ID: 870-41696-7
Matrix: Water
Date Collected: 11/17/25 10:30
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.491	J	0.500	0.250	mg/L			11/25/25 19:39	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 19:39	1
Sulfate	<0.200	U	0.500	0.200	mg/L			11/25/25 19:39	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/24/25 09:07	11/24/25 18:16	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/24/25 09:07	11/24/25 18:16	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/24/25 09:07	11/24/25 18:16	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/24/25 09:07	11/24/25 18:16	1
Sodium	0.267	J	0.500	0.152	mg/L		11/24/25 09:07	11/24/25 18:16	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/24/25 09:07	11/24/25 18:16	1

Client Sample ID: EB2

Date Collected: 11/17/25 10:30
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 00:12	11/24/25 20:35	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 00:12	11/24/25 20:35	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/24/25 00:12	11/24/25 20:35	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/24/25 00:12	11/24/25 20:35	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 00:12	11/24/25 20:35	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 00:12	11/24/25 20:35	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 00:12	11/24/25 20:35	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/24/25 00:12	11/24/25 20:35	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/24/25 00:12	11/24/25 20:35	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 00:12	11/24/25 20:35	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 00:12	11/24/25 20:35	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 00:12	11/24/25 20:35	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 00:12	11/24/25 20:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/21/25 16:45	1
Total Dissolved Solids (SM 2540C)	**5.00**		2.50	2.50	mg/L			11/20/25 16:04	1
pH (SM 4500 H+ B)	**7.7**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**20.5**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	15.9	U G	12.8	12.9	50.0	58.6	pCi/L	11/21/25 09:31	12/12/25 09:06	1
Radium-228	-13.9	U G	35.2	35.3	50.0	59.6	pCi/L	11/21/25 09:31	12/12/25 09:06	1
Combined Radium 226 + 228	1.94	U	37.5	37.6		59.6	pCi/L	11/21/25 09:31	12/12/25 09:06	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0477	U	0.0662	0.0664	1.00	0.169	pCi/L	11/21/25 07:38	12/15/25 21:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.9*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.616	U	0.422	0.426	1.00	0.627	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.9*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: EB2

Lab Sample ID: 870-41696-7
Date Collected: 11/17/25 10:30
Matrix: Water
Date Received: 11/19/25 08:57

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	75.5		30 - 110	11/21/25 07:50	12/12/25 09:55	1

Client Sample ID: SSP MW-3D

Lab Sample ID: 870-41696-8
Date Collected: 11/17/25 09:45
Matrix: Water
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.217	J	0.500	0.100	mg/L			11/25/25 19:24	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		5.00	2.50	mg/L			11/25/25 19:31	10
Sulfate	2400		5.00	2.00	mg/L			11/25/25 19:31	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.31		0.0500	0.0162	mg/L		11/26/25 12:42	12/01/25 13:41	1
Calcium	587		0.200	0.102	mg/L		11/26/25 12:42	12/01/25 13:41	1
Magnesium	131		0.200	0.0445	mg/L		11/26/25 12:42	12/01/25 13:41	1
Potassium	56.6		0.500	0.106	mg/L		11/26/25 12:42	12/01/25 13:41	1
Sodium	1220	^2	25.0	7.59	mg/L		11/26/25 12:42	12/01/25 13:47	50
Lithium	0.540	B	0.0400	0.0174	mg/L		11/26/25 12:42	12/01/25 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.615		0.0200	0.00549	mg/L		11/24/25 00:12	11/24/25 20:41	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 00:12	11/24/25 20:41	1
Arsenic	0.00589		0.00400	0.000690	mg/L		11/24/25 00:12	11/24/25 20:41	1
Barium	0.0200		0.00400	0.00134	mg/L		11/24/25 00:12	11/24/25 20:41	1
Beryllium	0.00655		0.00200	0.000271	mg/L		11/24/25 00:12	11/24/25 20:41	1
Cadmium	0.00331		0.00200	0.000240	mg/L		11/24/25 00:12	11/24/25 20:41	1
Chromium	0.00149	J	0.00400	0.000560	mg/L		11/24/25 00:12	11/24/25 20:41	1
Cobalt	0.142		0.00200	0.000355	mg/L		11/24/25 00:12	11/24/25 20:41	1
Iron	1.98		0.0200	0.00445	mg/L		11/24/25 00:12	11/24/25 20:41	1
Lead	0.000474	J	0.00200	0.000367	mg/L		11/24/25 00:12	11/24/25 20:41	1
Molybdenum	0.000357	J	0.00200	0.000255	mg/L		11/24/25 00:12	11/24/25 20:41	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 00:12	11/24/25 20:41	1
Thallium	0.00112	J	0.00200	0.000415	mg/L		11/24/25 00:12	11/24/25 20:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 18:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	13.9		4.00	4.00	mg/L			11/21/25 15:36	1
Total Dissolved Solids (SM 2540C)	5010		20.0	20.0	mg/L			11/20/25 16:04	1
pH (SM 4500 H+ B)	4.7	HF			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	20.0	HF			Celsius			11/21/25 11:32	1

Client Sample ID: SSP MW-3D

Lab Sample ID: 870-41696-8

Date Collected: 11/17/25 09:45
Matrix: Water
Date Received: 11/19/25 08:57

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	10.2	U G	12.9	12.9	50.0	52.8	pCi/L	11/21/25 09:31	12/12/25 09:05	1
Radium-228	6.31	U	19.9	19.9	50.0	40.2	pCi/L	11/21/25 09:31	12/12/25 09:05	1
Combined Radium 226 + 228	16.5	U	23.7	23.7		52.8	pCi/L	11/21/25 09:31	12/12/25 09:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.34**		0.286	0.310	1.00	0.191	pCi/L	11/21/25 07:38	12/15/25 21:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**4.78**		0.837	0.945	1.00	0.681	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: SSP MW-2D

Lab Sample ID: 870-41696-9

Date Collected: 11/17/25 14:25
Matrix: Water
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2710**		5.00	2.50	mg/L			11/25/25 19:09	10
Fluoride	<1.00	U	5.00	1.00	mg/L			11/25/25 19:09	10
Sulfate	**2150**		5.00	2.00	mg/L			11/25/25 19:09	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.524**		0.0500	0.0162	mg/L		11/24/25 09:07	11/24/25 18:17	1
Calcium	**900**		10.0	5.08	mg/L		11/24/25 09:07	11/24/25 18:25	50
Magnesium	**143**		0.200	0.0445	mg/L		11/24/25 09:07	11/24/25 18:17	1
Potassium	**63.6**		0.500	0.106	mg/L		11/24/25 09:07	11/24/25 18:17	1
Sodium	**1270**		25.0	7.59	mg/L		11/24/25 09:07	11/24/25 18:25	50
Lithium	**0.680**		0.0400	0.0174	mg/L		11/24/25 09:07	11/24/25 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.147**		0.0200	0.00549	mg/L		11/24/25 00:12	11/24/25 20:38	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 00:12	11/24/25 20:38	1
Arsenic	**0.000775**	**J**	0.00400	0.000690	mg/L		11/24/25 00:12	11/24/25 20:38	1
Barium	**0.0178**		0.00400	0.00134	mg/L		11/24/25 00:12	11/24/25 20:38	1
Beryllium	**0.000287**	**J**	0.00200	0.000271	mg/L		11/24/25 00:12	11/24/25 20:38	1

Client Sample ID: SSP MW-2D

Date Collected: 11/17/25 14:25
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 00:12	11/24/25 20:38	1
Chromium	**0.000619**	**J**	0.00400	0.000560	mg/L		11/24/25 00:12	11/24/25 20:38	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/24/25 00:12	11/24/25 20:38	1
Iron	**1.05**		0.0200	0.00445	mg/L		11/24/25 00:12	11/24/25 20:38	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 00:12	11/24/25 20:38	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 00:12	11/24/25 20:38	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 00:12	11/24/25 20:38	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 00:12	11/24/25 20:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**78.6**		4.00	4.00	mg/L			11/21/25 14:44	1
Total Dissolved Solids (SM 2540C)	**6000**		50.0	50.0	mg/L			11/20/25 17:02	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**20.2**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-1.08	U G	5.53	5.53	50.0	56.4	pCi/L	11/21/25 09:31	12/12/25 09:05	1
Radium-228	0.531	U G	31.5	31.5	50.0	54.0	pCi/L	11/21/25 09:31	12/12/25 09:05	1
Combined Radium 226 + 228	-0.547	U	32.0	32.0		56.4	pCi/L	11/21/25 09:31	12/12/25 09:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.601**		0.206	0.213	1.00	0.193	pCi/L	11/21/25 07:38	12/15/25 21:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.42**		0.579	0.594	1.00	0.752	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: SSP MW-6D

Lab Sample ID: 870-41696-10

Date Collected: 11/17/25 14:40

Matrix: Water

Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		5.00	2.50	mg/L			11/24/25 23:33	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/24/25 23:23	1
Sulfate	**921**		5.00	2.00	mg/L			11/24/25 23:33	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.505**		0.0500	0.0162	mg/L		11/24/25 00:10	11/24/25 11:18	1
Calcium	**383**		0.200	0.102	mg/L		11/24/25 00:10	11/24/25 11:18	1
Magnesium	**67.6**		0.200	0.0445	mg/L		11/24/25 00:10	11/24/25 11:18	1
Potassium	**44.4**		0.500	0.106	mg/L		11/24/25 00:10	11/24/25 11:18	1
Sodium	**955**		25.0	7.59	mg/L		11/24/25 00:10	11/24/25 11:26	50
Lithium	**0.236**		0.0400	0.0174	mg/L		11/24/25 00:10	11/24/25 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0308**		0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 16:15	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:15	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:15	1
Barium	**0.0295**		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:15	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:15	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:15	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:15	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:15	1
Iron	**0.889**		0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 16:15	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:15	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:15	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:15	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 18:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**252**		4.00	4.00	mg/L			11/21/25 17:28	1
Total Dissolved Solids (SM 2540C)	**3820**		20.0	20.0	mg/L			11/20/25 17:02	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**20.1**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-28.2	U G	29.3	29.5	50.0	99.8	pCi/L	11/21/25 09:31	12/12/25 11:41	1
Radium-228	-17.4	U G	32.6	32.6	50.0	97.0	pCi/L	11/21/25 09:31	12/12/25 11:41	1
Combined Radium 226 + 228	-45.6	U	43.8	44.0		99.8	pCi/L	11/21/25 09:31	12/12/25 11:41	1

Client Sample ID: SSP MW-6D

Lab Sample ID: 870-41696-10
Matrix: Water
Date Collected: 11/17/25 14:40
Date Received: 11/19/25 08:57

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.585**		0.202	0.209	1.00	0.196	pCi/L	11/21/25 07:38	12/15/25 21:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.17**		0.786	0.838	1.00	0.833	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*72.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: SSP MW-5D

Lab Sample ID: 870-41696-11
Matrix: Water
Date Collected: 11/17/25 17:10
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1280**		5.00	2.50	mg/L			11/25/25 00:33	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 00:23	1
Sulfate	**225**		0.500	0.200	mg/L			11/25/25 00:23	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.571**		0.0500	0.0162	mg/L		11/24/25 00:10	11/24/25 11:15	1
Calcium	**228**		0.200	0.102	mg/L		11/24/25 00:10	11/24/25 11:15	1
Magnesium	**35.7**		0.200	0.0445	mg/L		11/24/25 00:10	11/24/25 11:15	1
Potassium	**29.1**		0.500	0.106	mg/L		11/24/25 00:10	11/24/25 11:15	1
Sodium	**795**		25.0	7.59	mg/L		11/24/25 00:10	11/24/25 11:23	50
Lithium	**0.295**		0.0400	0.0174	mg/L		11/24/25 00:10	11/24/25 11:15	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		11/25/25 09:21	11/25/25 18:30	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		11/25/25 09:21	11/25/25 18:30	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		11/25/25 09:21	11/25/25 18:30	1
Barium	**0.0408**		0.0100	0.00125	mg/L		11/25/25 09:21	11/25/25 18:30	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		11/25/25 09:21	11/25/25 18:30	1
Boron	**0.522**		0.0500	0.0162	mg/L		11/25/25 09:21	11/25/25 18:30	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		11/25/25 09:21	11/25/25 18:30	1
Calcium	**211**		0.200	0.102	mg/L		11/25/25 09:21	11/25/25 18:30	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		11/25/25 09:21	11/25/25 18:30	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		11/25/25 09:21	11/25/25 18:30	1
Iron	**0.358**		0.200	0.0283	mg/L		11/25/25 09:21	11/25/25 18:30	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		11/25/25 09:21	11/25/25 18:30	1
Magnesium	**33.3**		0.200	0.0445	mg/L		11/25/25 09:21	11/25/25 18:30	1

Client Sample ID: SSP MW-5D

Date Collected: 11/17/25 17:10
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-11

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		11/25/25 09:21	11/25/25 18:30	1
Potassium	**27.4**		0.500	0.106	mg/L		11/25/25 09:21	11/25/25 18:30	1
Selenium	**0.0196**	**J**	0.0300	0.00927	mg/L		11/25/25 09:21	11/25/25 18:30	1
Sodium	**740**	**^2**	25.0	7.59	mg/L		11/25/25 09:21	11/25/25 18:33	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		11/25/25 09:21	11/25/25 18:30	1
Li	**0.267**	**B**	0.0400	0.0174	mg/L		11/25/25 09:21	11/25/25 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 16:18	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:18	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:18	1
Barium	**0.0400**		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:18	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:18	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:18	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:18	1
Cobalt	**0.000585**	**J**	0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:18	1
Iron	**0.344**		0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 16:18	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:18	1
Molybdenum	**0.000394**	**J**	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:18	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:18	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:16	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/26/25 17:04	11/26/25 22:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**303**		4.00	4.00	mg/L			11/21/25 15:23	1
Total Dissolved Solids (SM 2540C)	**2910**		20.0	20.0	mg/L			11/20/25 17:02	1
pH (SM 4500 H+ B)	**6.7**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**20.1**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**48.3**		21.1	21.7	50.0	25.2	pCi/L	11/21/25 09:31	12/12/25 11:43	1
Radium-228	-8.26	U G	29.8	29.9	50.0	56.8	pCi/L	11/21/25 09:31	12/12/25 11:43	1
Combined Radium 226 + 228	40.0	U	36.5	36.9		56.8	pCi/L	11/21/25 09:31	12/12/25 11:43	1

Client Sample ID: SSP MW-5D

Lab Sample ID: 870-41696-11
Matrix: Water
Date Collected: 11/17/25 17:10
Date Received: 11/19/25 08:57

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.579		0.258	0.264	1.00	0.274	pCi/L	11/21/25 07:38	12/15/25 21:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*51.8*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.28	U G	0.880	0.887	1.00	1.32	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*51.8*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*75.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: AP MW-1D

Lab Sample ID: 870-41696-12
Matrix: Water
Date Collected: 11/18/25 08:35
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.2		0.500	0.250	mg/L			11/25/25 00:43	1
Fluoride	0.856		0.500	0.100	mg/L			11/25/25 00:43	1
Sulfate	370		0.500	0.200	mg/L			11/25/25 00:43	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.85		0.0500	0.0162	mg/L		11/24/25 00:10	11/24/25 11:11	1
Calcium	48.8		0.200	0.102	mg/L		11/24/25 00:10	11/24/25 11:11	1
Magnesium	8.81		0.200	0.0445	mg/L		11/24/25 00:10	11/24/25 11:11	1
Potassium	8.07		0.500	0.106	mg/L		11/24/25 00:10	11/24/25 11:11	1
Sodium	178		0.500	0.152	mg/L		11/24/25 00:10	11/24/25 11:11	1
Lithium	0.0254	J	0.0400	0.0174	mg/L		11/24/25 00:10	11/24/25 11:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0115	J	0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 16:21	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:21	1
Arsenic	0.0103		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:21	1
Barium	0.0115		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:21	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:21	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:21	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:21	1
Cobalt	0.00797		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:21	1
Iron	0.0105	J	0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 16:21	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:21	1
Molybdenum	0.0325		0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:21	1
Selenium	0.00140	J	0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:21	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:21	1

Client Sample ID: AP MW-1D

Lab Sample ID: 870-41696-12
Date Collected: 11/18/25 08:35
Matrix: Water
Date Received: 11/19/25 08:57

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:54	11/21/25 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	96.3		4.00	4.00	mg/L			11/21/25 16:39	1
Total Dissolved Solids (SM 2540C)	812		5.00	5.00	mg/L			11/20/25 17:02	1
pH (SM 4500 H+ B)	6.3	HF			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	20.0	HF			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	67.4		21.9	22.9	50.0	24.4	pCi/L	11/21/25 09:31	12/12/25 11:40	1
Radium-228	23.7	U	29.7	29.8	50.0	43.2	pCi/L	11/21/25 09:31	12/12/25 11:40	1
Combined Radium 226 + 228	91.2		36.9	37.6		43.2	pCi/L	11/21/25 09:31	12/12/25 11:40	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.119	U	0.0959	0.0965	1.00	0.137	pCi/L	11/21/25 07:38	12/15/25 21:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.467	0.477	1.00	0.630	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*80.0*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: AP MW-7S

Lab Sample ID: 870-41696-13
Date Collected: 11/18/25 09:10
Matrix: Water
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	369		0.500	0.250	mg/L			11/25/25 01:03	1
Fluoride	2.76		0.500	0.100	mg/L			11/25/25 01:03	1
Sulfate	3570		5.00	2.00	mg/L			11/25/25 01:13	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.35		0.0500	0.0162	mg/L		11/24/25 09:07	11/24/25 18:19	1
Calcium	466		0.200	0.102	mg/L		11/24/25 09:07	11/24/25 18:19	1
Magnesium	157		0.200	0.0445	mg/L		11/24/25 09:07	11/24/25 18:19	1

Client Sample ID: AP MW-7S

Date Collected: 11/18/25 09:10
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-13

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**57.6**		0.500	0.106	mg/L		11/24/25 09:07	11/24/25 18:19	1
Sodium	**785**		25.0	7.59	mg/L		11/24/25 09:07	11/24/25 18:27	50
Lithium	**1.02**		0.0400	0.0174	mg/L		11/24/25 09:07	11/24/25 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6.23**		0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 16:24	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:24	1
Arsenic	**0.0150**		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:24	1
Barium	**0.0190**		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:24	1
Beryllium	**0.0909**		0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:24	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:24	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:24	1
Cobalt	**0.0515**		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:24	1
Iron	**15.4**		0.100	0.0223	mg/L		11/24/25 11:30	11/25/25 16:27	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:24	1
Molybdenum	**0.000290**	**J**	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:24	1
Selenium	**0.0716**		0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:24	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/21/25 15:18	1
Total Dissolved Solids (SM 2540C)	**4560**		20.0	20.0	mg/L			11/20/25 17:02	1
pH (SM 4500 H+ B)	**4.7**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**20.0**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**78.6**		26.3	27.4	50.0	29.7	pCi/L	11/21/25 09:31	12/12/25 11:41	1
Radium-228	21.2	U G	34.3	34.4	50.0	54.3	pCi/L	11/21/25 09:31	12/12/25 11:41	1
Combined Radium 226 + 228	**99.8**		43.2	44.0		54.3	pCi/L	11/21/25 09:31	12/12/25 11:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.832**		0.200	0.214	1.00	0.144	pCi/L	11/21/25 07:38	12/15/25 21:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:08*	*1*

Client Sample ID: AP MW-7S

Lab Sample ID: 870-41696-13

Date Collected: 11/18/25 09:10
Matrix: Water
Date Received: 11/19/25 08:57

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.66		0.605	0.652	1.00	0.636	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*79.6*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: AP MW-1

Lab Sample ID: 870-41696-14

Date Collected: 11/18/25 09:55
Matrix: Water
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		0.500	0.250	mg/L			11/25/25 23:34	1
Fluoride	0.171	J F1	0.500	0.100	mg/L			11/25/25 23:34	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	775		5.00	2.00	mg/L			11/25/25 23:41	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.82		0.0500	0.0162	mg/L		11/24/25 09:07	11/24/25 18:20	1
Calcium	123		0.200	0.102	mg/L		11/24/25 09:07	11/24/25 18:20	1
Magnesium	24.4		0.200	0.0445	mg/L		11/24/25 09:07	11/24/25 18:20	1
Potassium	9.32		0.500	0.106	mg/L		11/24/25 09:07	11/24/25 18:20	1
Sodium	288		0.500	0.152	mg/L		11/24/25 09:07	11/24/25 18:20	1
Lithium	0.0807		0.0400	0.0174	mg/L		11/24/25 09:07	11/24/25 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0980		0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 16:36	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:36	1
Arsenic	0.00380	J	0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:36	1
Barium	0.0473		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:36	1
Beryllium	0.00424		0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:36	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:36	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:36	1
Cobalt	0.0907		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:36	1
Iron	2.06		0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 16:36	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:36	1
Molybdenum	0.00327		0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:36	1
Selenium	0.00234		0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:05	1

Client Sample ID: AP MW-1

Lab Sample ID: 870-41696-14
Matrix: Water
Date Collected: 11/18/25 09:55
Date Received: 11/19/25 08:57

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	83.9		4.00	4.00	mg/L			11/21/25 17:16	1
Total Dissolved Solids (SM 2540C)	1680		10.0	10.0	mg/L			11/20/25 17:02	1
pH (SM 4500 H+ B)	5.6	HF			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	20.1	HF			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	10.7	U G	22.3	22.3	50.0	56.2	pCi/L	11/21/25 09:31	12/12/25 11:43	1
Radium-228	2.65	U G	4.04	4.04	50.0	76.6	pCi/L	11/21/25 09:31	12/12/25 11:43	1
Combined Radium 226 + 228	13.3	U	22.7	22.7		76.6	pCi/L	11/21/25 09:31	12/12/25 11:43	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.802		0.212	0.224	1.00	0.176	pCi/L	11/21/25 07:38	12/15/25 21:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.54		0.704	0.776	1.00	0.640	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: AP MW-4S

Lab Sample ID: 870-41696-15
Matrix: Water
Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		0.500	0.250	mg/L			11/25/25 23:19	1
Fluoride	0.560		0.500	0.100	mg/L			11/25/25 23:19	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	722		5.00	2.00	mg/L			11/25/25 23:27	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.69		0.0500	0.0162	mg/L		11/24/25 09:07	11/24/25 18:22	1
Calcium	131		0.200	0.102	mg/L		11/24/25 09:07	11/24/25 18:22	1
Magnesium	22.2		0.200	0.0445	mg/L		11/24/25 09:07	11/24/25 18:22	1
Potassium	20.6		0.500	0.106	mg/L		11/24/25 09:07	11/24/25 18:22	1

Client Sample ID: AP MW-4S

Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-15

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**180**		0.500	0.152	mg/L		11/24/25 09:07	11/24/25 18:22	1
Lithium	**0.148**		0.0400	0.0174	mg/L		11/24/25 09:07	11/24/25 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4.61**		0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 16:38	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:38	1
Arsenic	**0.00928**		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:38	1
Barium	**0.0170**		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:38	1
Beryllium	**0.0148**		0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:38	1
Cadmium	**0.000436**	**J**	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:38	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:38	1
Cobalt	**0.0392**		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:38	1
Iron	**12.7**		0.100	0.0223	mg/L		11/24/25 11:30	11/25/25 16:42	5
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:38	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:38	1
Selenium	**0.00506**		0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:38	1
Thallium	**0.000420**	**J**	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:54	11/21/25 19:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/21/25 14:58	1
Total Dissolved Solids (SM 2540C)	**1170**		5.00	5.00	mg/L			11/21/25 10:05	1
pH (SM 4500 H+ B)	**4.1**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**19.9**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.21	U G	16.9	16.9	50.0	87.5	pCi/L	11/21/25 09:31	12/12/25 13:41	1
Radium-228	4.96	U G	43.9	43.9	50.0	75.7	pCi/L	11/21/25 09:31	12/12/25 13:41	1
Combined Radium 226 + 228	13.2	U	47.0	47.0		87.5	pCi/L	11/21/25 09:31	12/12/25 13:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.338**		0.168	0.170	1.00	0.200	pCi/L	11/21/25 07:38	12/15/25 21:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:08*	*1*

Client Sample ID: AP MW-4S

Lab Sample ID: 870-41696-15
Matrix: Water
Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:57

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.990		0.522	0.530	1.00	0.737	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: AP PZ-1

Lab Sample ID: 870-41696-16
Matrix: Water
Date Collected: 11/18/25 11:30
Date Received: 11/19/25 08:57

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.169	J	0.500	0.100	mg/L			11/25/25 22:35	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2710		5.00	2.50	mg/L			11/25/25 22:43	10
Sulfate	1900		5.00	2.00	mg/L			11/25/25 22:43	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.302		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:49	1
Calcium	880		10.0	5.08	mg/L		11/24/25 11:33	11/24/25 20:55	50
Magnesium	168		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:49	1
Potassium	55.2		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:49	1
Sodium	970	^2	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:55	50
Lithium	0.744		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.253		0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 16:44	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:44	1
Arsenic	0.00622		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:44	1
Barium	0.0249		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:44	1
Beryllium	0.00486		0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:44	1
Cadmium	0.00348		0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:44	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:44	1
Cobalt	0.0459		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:44	1
Iron	1.12		0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 16:44	1
Lead	0.000569	J	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:44	1
Molybdenum	0.000477	J	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:44	1
Selenium	0.00348		0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:44	1
Thallium	0.00192	J	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:12	1

Client Sample ID: AP PZ-1

Date Collected: 11/18/25 11:30
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-16

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	7.01		4.00	4.00	mg/L			11/21/25 15:13	1
Total Dissolved Solids (SM 2540C)	5680		20.0	20.0	mg/L			11/21/25 10:05	1
pH (SM 4500 H+ B)	4.8	HF			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	19.9	HF			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	38.0		20.3	20.7	50.0	25.0	pCi/L	11/21/25 09:31	12/12/25 13:42	1
Radium-228	14.5	U	28.3	28.3	50.0	43.3	pCi/L	11/21/25 09:31	12/12/25 13:42	1
Combined Radium 226 + 228	52.6		34.8	35.1		43.3	pCi/L	11/21/25 09:31	12/12/25 13:42	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.26		0.373	0.425	1.00	0.175	pCi/L	11/21/25 07:38	12/15/25 21:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.83		1.18	1.43	1.00	0.816	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*75.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Client Sample ID: AP MW-5D

Date Collected: 11/18/25 11:35
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-17

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	3.60		0.500	0.100	mg/L			11/25/25 22:21	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1730		5.00	2.50	mg/L			11/25/25 22:28	10
Sulfate	3120		5.00	2.00	mg/L			11/25/25 22:28	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.15		0.0500	0.0162	mg/L		11/24/25 00:10	11/24/25 11:16	1
Calcium	640		10.0	5.08	mg/L		11/24/25 00:10	11/24/25 11:24	50
Magnesium	173		0.200	0.0445	mg/L		11/24/25 00:10	11/24/25 11:16	1
Potassium	70.8		0.500	0.106	mg/L		11/24/25 00:10	11/24/25 11:16	1

Client Sample ID: AP MW-5D

Date Collected: 11/18/25 11:35
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-17

Matrix: Water

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**1270**		25.0	7.59	mg/L		11/24/25 00:10	11/24/25 11:24	50
Lithium	**1.00**		0.0400	0.0174	mg/L		11/24/25 00:10	11/24/25 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26.5**		0.100	0.0275	mg/L		11/24/25 11:30	11/25/25 16:50	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:47	1
Arsenic	**0.0137**		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:47	1
Barium	**0.0120**		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:47	1
Beryllium	**0.130**		0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:47	1
Cadmium	**0.00252**		0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:47	1
Chromium	**0.000633**	**J**	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:47	1
Cobalt	**0.0475**		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:47	1
Iron	**6.68**		0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 16:47	1
Lead	**0.000652**	**J**	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 16:47	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:47	1
Selenium	**0.0774**		0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:47	1
Thallium	**0.000722**	**J**	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 16:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 20:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/21/25 17:06	1
Total Dissolved Solids (SM 2540C)	**6200**		20.0	20.0	mg/L			11/21/25 10:05	1
pH (SM 4500 H+ B)	**4.0**	**HF**			SU			11/21/25 11:32	1
Temperature (SM 4500 H+ B)	**19.9**	**HF**			Celsius			11/21/25 11:32	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.95	U G	15.2	15.2	50.0	53.0	pCi/L	11/21/25 09:31	12/12/25 13:41	1
Radium-228	10.9	U G	25.3	25.3	50.0	53.3	pCi/L	11/21/25 09:31	12/12/25 13:41	1
Combined Radium 226 + 228	13.8	U	29.5	29.5		53.3	pCi/L	11/21/25 09:31	12/12/25 13:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.964**		0.250	0.265	1.00	0.198	pCi/L	11/21/25 07:38	12/15/25 21:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:17*	*1*

Client Sample ID: AP MW-5D

Date Collected: 11/18/25 11:35
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-17

Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.92		0.888	0.997	1.00	0.739	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*75.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41696-1
SDG: 10290148

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-41696-1	SSP MW-4S	90.5
870-41696-2	FD3	85.7
870-41696-3	SSP MW-6S	91.3
870-41696-4	SSP MW-5S	81.5
870-41696-5	FD4	84.0
870-41696-6	AP PZ-4S	84.0
870-41696-7	EB2	77.9
870-41696-8	SSP MW-3D	90.5
870-41696-9	SSP MW-2D	87.7
870-41696-10	SSP MW-6D	90.8
870-41696-11	SSP MW-5D	51.8
870-41696-12	AP MW-1D	82.6
870-41696-13	AP MW-7S	88.5
870-41696-14	AP MW-1	78.2
870-41696-15	AP MW-4S	89.6
870-41696-16	AP PZ-1	84.9
870-41696-17	AP MW-5D	89.9
LCS 160-746315/2-A	Lab Control Sample	82.1
LCSD 160-746315/3-A	Lab Control Sample Dup	87.1
MB 160-746315/1-A	Method Blank	84.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-41696-1	SSP MW-4S	90.5	84.5
870-41696-2	FD3	85.7	83.0
870-41696-3	SSP MW-6S	91.3	83.4
870-41696-4	SSP MW-5S	81.5	80.0
870-41696-5	FD4	84.0	80.7
870-41696-6	AP PZ-4S	84.0	75.1
870-41696-7	EB2	77.9	75.5
870-41696-8	SSP MW-3D	90.5	81.1
870-41696-9	SSP MW-2D	87.7	80.7
870-41696-10	SSP MW-6D	90.8	72.5
870-41696-11	SSP MW-5D	51.8	75.5
870-41696-12	AP MW-1D	82.6	80.0
870-41696-13	AP MW-7S	88.5	79.6
870-41696-14	AP MW-1	78.2	78.1
870-41696-15	AP MW-4S	89.6	82.6
870-41696-16	AP PZ-1	84.9	75.5
870-41696-17	AP MW-5D	89.9	75.5
LCS 160-746323/2-A	Lab Control Sample	82.1	81.5
LCSD 160-746323/3-A	Lab Control Sample Dup	87.1	85.6
MB 160-746323/1-A	Method Blank	84.6	78.1

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41696-1
SDG: 10290148

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-277884/60
Matrix: Water
Analysis Batch: 277884

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			11/24/25 20:12	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/24/25 20:12	1
Sulfate	<0.200	U	0.500	0.200	mg/L			11/24/25 20:12	1

Lab Sample ID: LCS 860-277884/61
Matrix: Water
Analysis Batch: 277884

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.003		mg/L		90	90 - 110
Fluoride	10.0	10.46		mg/L		105	90 - 110
Sulfate	10.0	8.984		mg/L		90	90 - 110

Lab Sample ID: LCSD 860-277884/62
Matrix: Water
Analysis Batch: 277884

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
Chloride	10.0	9.135		mg/L		91	90 - 110	1	20
Fluoride	10.0	10.16		mg/L		102	90 - 110	3	20
Sulfate	10.0	9.583		mg/L		96	90 - 110	6	20

Lab Sample ID: LLCS 860-277884/64
Matrix: Water
Analysis Batch: 277884

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.4591	J	mg/L		92	50 - 150
Fluoride	0.500	0.4120	J	mg/L		82	50 - 150
Sulfate	0.500	0.4572	J	mg/L		91	50 - 150

Lab Sample ID: 870-41696-10 MS
Matrix: Water
Analysis Batch: 277884

Client Sample ID: SSP MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	<0.100	U	10.0	10.26		mg/L		103	90 - 110

Lab Sample ID: 870-41696-10 MSD
Matrix: Water
Analysis Batch: 277884

Client Sample ID: SSP MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	<0.100	U	10.0	10.35		mg/L		103	90 - 110	1	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-278310/3
Matrix: Water
Analysis Batch: 278310

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			11/25/25 17:19	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 17:19	1
Sulfate	<0.200	U	0.500	0.200	mg/L			11/25/25 17:19	1

Lab Sample ID: LCS 860-278310/4
Matrix: Water
Analysis Batch: 278310

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.990		mg/L		100	90 - 110		
Fluoride			10.0	9.707		mg/L		97	90 - 110		
Sulfate			10.0	9.369		mg/L		94	90 - 110		

Lab Sample ID: LCSD 860-278310/5
Matrix: Water
Analysis Batch: 278310

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
Chloride			10.0	9.910		mg/L		99	90 - 110	1	20
Fluoride			10.0	9.707		mg/L		97	90 - 110	0	20
Sulfate			10.0	9.313		mg/L		93	90 - 110	1	20

Lab Sample ID: 870-41696-14 MS
Matrix: Water
Analysis Batch: 278310

Client Sample ID: AP MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	225		10.0	232.1	4	mg/L		75	90 - 110		
Fluoride	0.171	J F1	10.0	10.99		mg/L		108	90 - 110		

Lab Sample ID: 870-41696-14 MSD
Matrix: Water
Analysis Batch: 278310

Client Sample ID: AP MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	225		10.0	235.7	4	mg/L		110	90 - 110	2	15
Fluoride	0.171	J F1	10.0	11.23	F1	mg/L		111	90 - 110	2	15

Lab Sample ID: 870-41696-16 MS
Matrix: Water
Analysis Batch: 278310

Client Sample ID: AP PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.169	J	10.0	9.938		mg/L		98	90 - 110		

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-41696-16 MSD
Matrix: Water
Analysis Batch: 278310

Client Sample ID: AP PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.169	J	10.0	9.916		mg/L		97	90 - 110	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-277808/1-A
Matrix: Water
Analysis Batch: 278015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/24/25 00:10	11/24/25 10:50	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/24/25 00:10	11/24/25 10:50	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/24/25 00:10	11/24/25 10:50	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/24/25 00:10	11/24/25 10:50	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/24/25 00:10	11/24/25 10:50	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/24/25 00:10	11/24/25 10:50	1

Lab Sample ID: LCS 860-277808/2-A
Matrix: Water
Analysis Batch: 278015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.020		mg/L		102	80 - 120
Calcium	25.0	26.10		mg/L		104	80 - 120
Magnesium	25.0	26.00		mg/L		104	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Sodium	25.0	25.20		mg/L		101	80 - 120
Lithium	1.00	0.9770		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-277808/3-A
Matrix: Water
Analysis Batch: 278015

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277808

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.020		mg/L		102	80 - 120	0	20
Calcium	25.0	26.00		mg/L		104	80 - 120	0	20
Magnesium	25.0	25.90		mg/L		104	80 - 120	0	20
Potassium	10.0	10.00		mg/L		100	80 - 120	1	20
Sodium	25.0	25.10		mg/L		100	80 - 120	0	20
Lithium	1.00	0.9720		mg/L		97	80 - 120	1	20

Lab Sample ID: 870-41696-6 MS
Matrix: Water
Analysis Batch: 278015

Client Sample ID: AP PZ-4S
Prep Type: Total/NA
Prep Batch: 277808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.01	F1	1.00	1.750	F1	mg/L		74	75 - 125
Calcium	756		25.0	683.0	4	mg/L		-292	75 - 125
Magnesium	147		25.0	148.0	4	mg/L		4	75 - 125
Potassium	96.3		10.0	92.60	4	mg/L		-37	75 - 125
Sodium	1150		25.0	1020	4	mg/L		-520	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 870-41696-6 MS
Matrix: Water
Analysis Batch: 278015

Client Sample ID: AP PZ-4S
Prep Type: Total/NA
Prep Batch: 277808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.811		1.00	1.660		mg/L		85	75 - 125

Lab Sample ID: 870-41696-6 MSD
Matrix: Water
Analysis Batch: 278015

Client Sample ID: AP PZ-4S
Prep Type: Total/NA
Prep Batch: 277808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.01	F1	1.00	1.970		mg/L		96	75 - 125	12	20
Calcium	756		25.0	772.0	4	mg/L		64	75 - 125	12	20
Magnesium	147		25.0	169.0	4	mg/L		88	75 - 125	13	20
Potassium	96.3		10.0	107.0	4	mg/L		107	75 - 125	14	20
Sodium	1150		25.0	1160	4	mg/L		40	75 - 125	13	20
Lithium	0.811		1.00	1.850		mg/L		104	75 - 125	11	20

Lab Sample ID: MB 860-277437/25-B
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/24/25 09:07	11/24/25 17:38	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/24/25 09:07	11/24/25 17:38	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/24/25 09:07	11/24/25 17:38	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/24/25 09:07	11/24/25 17:38	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/24/25 09:07	11/24/25 17:38	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/24/25 09:07	11/24/25 17:38	1

Lab Sample ID: LCS 860-277437/26-B
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.60		mg/L		102	80 - 120
Magnesium	25.0	24.60		mg/L		98	80 - 120
Potassium	10.0	9.670		mg/L		97	80 - 120
Sodium	25.0	24.30		mg/L		97	80 - 120
Lithium	1.00	0.9830		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-277437/27-B
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277856

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.010		mg/L		101	80 - 120	0	20
Calcium	25.0	25.70		mg/L		103	80 - 120	0	20
Magnesium	25.0	24.70		mg/L		99	80 - 120	0	20
Potassium	10.0	9.680		mg/L		97	80 - 120	0	20
Sodium	25.0	24.30		mg/L		97	80 - 120	0	20
Lithium	1.00	0.9750		mg/L		98	80 - 120	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 870-41696-2 MS
Matrix: Water
Analysis Batch: 278138

Client Sample ID: FD3
Prep Type: Total/NA
Prep Batch: 277856

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	11.6		1.00	12.10	4	mg/L		50	75 - 125
Calcium	503		25.0	502.0	4	mg/L		-4	75 - 125
Magnesium	235		25.0	249.0	4	mg/L		56	75 - 125
Potassium	38.8		10.0	47.90		mg/L		91	75 - 125
Sodium	453		25.0	455.0	4	mg/L		8	75 - 125
Lithium	0.284		1.00	1.290		mg/L		101	75 - 125

Lab Sample ID: 870-41696-2 MSD
Matrix: Water
Analysis Batch: 278138

Client Sample ID: FD3
Prep Type: Total/NA
Prep Batch: 277856

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	11.6		1.00	11.90	4	mg/L		30	75 - 125	2	20
Calcium	503		25.0	496.0	4	mg/L		-28	75 - 125	1	20
Magnesium	235		25.0	246.0	4	mg/L		44	75 - 125	1	20
Potassium	38.8		10.0	47.10		mg/L		83	75 - 125	2	20
Sodium	453		25.0	450.0	4	mg/L		-12	75 - 125	1	20
Lithium	0.284		1.00	1.260		mg/L		98	75 - 125	2	20

Lab Sample ID: MB 860-277922/1-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 19:04	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/24/25 11:33	11/24/25 19:04	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 19:04	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/24/25 11:33	11/24/25 19:04	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/24/25 11:33	11/24/25 19:04	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 19:04	1

Lab Sample ID: LCS 860-277922/2-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.70		mg/L		103	80 - 120
Magnesium	25.0	24.70		mg/L		99	80 - 120
Potassium	10.0	9.660		mg/L		97	80 - 120
Sodium	25.0	24.20		mg/L		97	80 - 120
Lithium	1.00	0.9810		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-277922/3-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.010		mg/L		101	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-277922/3-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	25.0	25.70		mg/L		103	80 - 120	0	20
Magnesium	25.0	24.60		mg/L		98	80 - 120	0	20
Potassium	10.0	9.670		mg/L		97	80 - 120	0	20
Sodium	25.0	24.20		mg/L		97	80 - 120	0	20
Lithium	1.00	0.9700		mg/L		97	80 - 120	1	20

Lab Sample ID: MB 860-278581/1-A
Matrix: Water
Analysis Batch: 279026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/26/25 12:42	12/01/25 13:06	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/26/25 12:42	12/01/25 13:06	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/26/25 12:42	12/01/25 13:06	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/26/25 12:42	12/01/25 13:06	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/26/25 12:42	12/01/25 13:06	1
Lithium	0.01800	J	0.0400	0.0174	mg/L		11/26/25 12:42	12/01/25 13:06	1

Lab Sample ID: LCS 860-278581/2-A
Matrix: Water
Analysis Batch: 279026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.000		mg/L		100	80 - 120
Calcium	25.0	26.10		mg/L		104	80 - 120
Magnesium	25.0	25.40		mg/L		102	80 - 120
Potassium	10.0	10.20		mg/L		102	80 - 120
Sodium	25.0	25.50		mg/L		102	80 - 120
Lithium	1.00	0.9840		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-278581/3-A
Matrix: Water
Analysis Batch: 279026

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278581

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.000		mg/L		100	80 - 120	0	20
Calcium	25.0	26.10		mg/L		104	80 - 120	0	20
Magnesium	25.0	25.30		mg/L		101	80 - 120	0	20
Potassium	10.0	10.20		mg/L		102	80 - 120	0	20
Sodium	25.0	25.50		mg/L		102	80 - 120	0	20
Lithium	1.00	0.9900		mg/L		99	80 - 120	1	20

Lab Sample ID: LB 860-277711/1-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 278151

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.176	U	1.00	0.176	mg/L		11/25/25 09:21	11/25/25 17:46	1
Antimony	0.07550	J	0.100	0.0402	mg/L		11/25/25 09:21	11/25/25 17:46	1
Arsenic	<0.0325	U	0.0500	0.0325	mg/L		11/25/25 09:21	11/25/25 17:46	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LB 860-277711/1-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 278151

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00625	U	0.0500	0.00625	mg/L		11/25/25 09:21	11/25/25 17:46	1
Beryllium	<0.00535	U	0.0200	0.00535	mg/L		11/25/25 09:21	11/25/25 17:46	1
Boron	<0.0809	U	0.250	0.0809	mg/L		11/25/25 09:21	11/25/25 17:46	1
Cadmium	<0.00416	U	0.0250	0.00416	mg/L		11/25/25 09:21	11/25/25 17:46	1
Calcium	<0.508	U	1.00	0.508	mg/L		11/25/25 09:21	11/25/25 17:46	1
Chromium	<0.0108	U	0.0500	0.0108	mg/L		11/25/25 09:21	11/25/25 17:46	1
Cobalt	<0.00615	U	0.0500	0.00615	mg/L		11/25/25 09:21	11/25/25 17:46	1
Iron	<0.141	U	1.00	0.141	mg/L		11/25/25 09:21	11/25/25 17:46	1
Lead	<0.0184	U	0.0500	0.0184	mg/L		11/25/25 09:21	11/25/25 17:46	1
Magnesium	<0.222	U	1.00	0.222	mg/L		11/25/25 09:21	11/25/25 17:46	1
Molybdenum	0.01690	J	0.0500	0.0130	mg/L		11/25/25 09:21	11/25/25 17:46	1
Potassium	<0.530	U	2.50	0.530	mg/L		11/25/25 09:21	11/25/25 17:46	1
Selenium	<0.0464	U	0.150	0.0464	mg/L		11/25/25 09:21	11/25/25 17:46	1
Sodium	<0.759	U	2.50	0.759	mg/L		11/25/25 09:21	11/25/25 17:46	1
Thallium	<0.0551	U	0.100	0.0551	mg/L		11/25/25 09:21	11/25/25 17:46	1
Li	0.09200	J	0.200	0.0868	mg/L		11/25/25 09:21	11/25/25 17:46	1

Lab Sample ID: MB 860-277436/6-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 278151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		11/25/25 09:21	11/25/25 17:40	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		11/25/25 09:21	11/25/25 17:40	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		11/25/25 09:21	11/25/25 17:40	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		11/25/25 09:21	11/25/25 17:40	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		11/25/25 09:21	11/25/25 17:40	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/25/25 09:21	11/25/25 17:40	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		11/25/25 09:21	11/25/25 17:40	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/25/25 09:21	11/25/25 17:40	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		11/25/25 09:21	11/25/25 17:40	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		11/25/25 09:21	11/25/25 17:40	1
Iron	<0.0283	U	0.200	0.0283	mg/L		11/25/25 09:21	11/25/25 17:40	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		11/25/25 09:21	11/25/25 17:40	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/25/25 09:21	11/25/25 17:40	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		11/25/25 09:21	11/25/25 17:40	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/25/25 09:21	11/25/25 17:40	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		11/25/25 09:21	11/25/25 17:40	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/25/25 09:21	11/25/25 17:40	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		11/25/25 09:21	11/25/25 17:40	1
Li	0.02330	J	0.0400	0.0174	mg/L		11/25/25 09:21	11/25/25 17:40	1

Lab Sample ID: LCS 860-277436/7-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 278151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.050		mg/L		101	80 - 120
Antimony	1.00	0.8610		mg/L		86	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-277436/7-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 278151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.030		mg/L		103	80 - 120
Barium	1.00	1.040		mg/L		104	80 - 120
Beryllium	1.00	1.040		mg/L		104	80 - 120
Boron	1.00	1.010		mg/L		101	80 - 120
Cadmium	1.00	0.9970		mg/L		100	80 - 120
Calcium	25.0	25.00		mg/L		100	80 - 120
Chromium	1.00	1.020		mg/L		102	80 - 120
Cobalt	1.00	1.020		mg/L		102	80 - 120
Iron	5.00	5.100		mg/L		102	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120
Magnesium	25.0	24.20		mg/L		97	80 - 120
Molybdenum	1.00	0.9910		mg/L		99	80 - 120
Potassium	10.0	9.750		mg/L		98	80 - 120
Selenium	1.00	1.050		mg/L		105	80 - 120
Sodium	25.0	24.70		mg/L		99	80 - 120
Thallium	1.00	1.050		mg/L		105	80 - 120
Li	1.00	0.9550		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-277436/8-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 278151

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.050		mg/L		101	80 - 120	0	20
Antimony	1.00	0.9260		mg/L		93	80 - 120	7	20
Arsenic	1.00	1.030		mg/L		103	80 - 120	0	20
Barium	1.00	1.040		mg/L		104	80 - 120	0	20
Beryllium	1.00	1.040		mg/L		104	80 - 120	0	20
Boron	1.00	1.010		mg/L		101	80 - 120	0	20
Cadmium	1.00	0.9970		mg/L		100	80 - 120	0	20
Calcium	25.0	25.00		mg/L		100	80 - 120	0	20
Chromium	1.00	1.020		mg/L		102	80 - 120	0	20
Cobalt	1.00	1.010		mg/L		101	80 - 120	1	20
Iron	5.00	5.100		mg/L		102	80 - 120	0	20
Lead	1.00	1.010		mg/L		101	80 - 120	0	20
Magnesium	25.0	24.20		mg/L		97	80 - 120	0	20
Molybdenum	1.00	1.010		mg/L		101	80 - 120	2	20
Potassium	10.0	9.770		mg/L		98	80 - 120	0	20
Selenium	1.00	1.080		mg/L		108	80 - 120	3	20
Sodium	25.0	24.70		mg/L		99	80 - 120	0	20
Thallium	1.00	1.050		mg/L		105	80 - 120	0	20
Li	1.00	0.9540		mg/L		95	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-277809/1-A
Matrix: Water
Analysis Batch: 278112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 00:12	11/24/25 19:19	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 00:12	11/24/25 19:19	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/24/25 00:12	11/24/25 19:19	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/24/25 00:12	11/24/25 19:19	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 00:12	11/24/25 19:19	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 00:12	11/24/25 19:19	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 00:12	11/24/25 19:19	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/24/25 00:12	11/24/25 19:19	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/24/25 00:12	11/24/25 19:19	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 00:12	11/24/25 19:19	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 00:12	11/24/25 19:19	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 00:12	11/24/25 19:19	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 00:12	11/24/25 19:19	1

Lab Sample ID: LCS 860-277809/2-A
Matrix: Water
Analysis Batch: 278112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4830		mg/L		97	80 - 120
Antimony	0.100	0.09422		mg/L		94	80 - 120
Arsenic	0.100	0.1023		mg/L		102	80 - 120
Barium	0.100	0.09750		mg/L		98	80 - 120
Beryllium	0.100	0.1012		mg/L		101	80 - 120
Cadmium	0.100	0.09818		mg/L		98	80 - 120
Chromium	0.100	0.1033		mg/L		103	80 - 120
Cobalt	0.100	0.1033		mg/L		103	80 - 120
Iron	0.500	0.5073		mg/L		101	80 - 120
Lead	0.100	0.1009		mg/L		101	80 - 120
Molybdenum	0.100	0.1005		mg/L		101	80 - 120
Selenium	0.100	0.09781		mg/L		98	80 - 120
Thallium	0.100	0.1034		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-277809/3-A
Matrix: Water
Analysis Batch: 278112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4881		mg/L		98	80 - 120	1	20
Antimony	0.100	0.09536		mg/L		95	80 - 120	1	20
Arsenic	0.100	0.1025		mg/L		102	80 - 120	0	20
Barium	0.100	0.09924		mg/L		99	80 - 120	2	20
Beryllium	0.100	0.09437		mg/L		94	80 - 120	7	20
Cadmium	0.100	0.09855		mg/L		99	80 - 120	0	20
Chromium	0.100	0.1039		mg/L		104	80 - 120	1	20
Cobalt	0.100	0.1034		mg/L		103	80 - 120	0	20
Iron	0.500	0.5107		mg/L		102	80 - 120	1	20
Lead	0.100	0.1008		mg/L		101	80 - 120	0	20
Molybdenum	0.100	0.1011		mg/L		101	80 - 120	1	20

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

Lab Sample ID: LCSD 860-277809/3-A
Matrix: Water
Analysis Batch: 278112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277809

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium			0.100	0.09801		mg/L		98	80 - 120	0	20
Thallium			0.100	0.1041		mg/L		104	80 - 120	1	20

Lab Sample ID: 870-41696-3 MS
Matrix: Water
Analysis Batch: 278112

Client Sample ID: SSP MW-6S
Prep Type: Total/NA
Prep Batch: 277809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.619		0.500	1.200		mg/L		116	75 - 125
Antimony	<0.000750	U	0.100	0.08407		mg/L		84	75 - 125
Arsenic	0.00174	J	0.100	0.08598		mg/L		84	75 - 125
Barium	0.0161		0.100	0.1013		mg/L		85	75 - 125
Beryllium	0.0601		0.100	0.1463		mg/L		86	75 - 125
Cadmium	<0.000240	U F1	0.100	0.07264	F1	mg/L		73	75 - 125
Chromium	<0.000560	U	0.100	0.09104		mg/L		91	75 - 125
Cobalt	0.0137		0.100	0.09989		mg/L		86	75 - 125
Iron	7.76		0.500	8.516	4	mg/L		150	75 - 125
Lead	<0.000367	U	0.100	0.1001		mg/L		100	75 - 125
Molybdenum	<0.000255	U	0.100	0.09153		mg/L		92	75 - 125
Selenium	<0.000590	U F1	0.100	0.07084	F1	mg/L		71	75 - 125
Thallium	<0.000415	U	0.100	0.1037		mg/L		104	75 - 125

Lab Sample ID: 870-41696-3 MSD
Matrix: Water
Analysis Batch: 278112

Client Sample ID: SSP MW-6S
Prep Type: Total/NA
Prep Batch: 277809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.619		0.500	1.182		mg/L		113	75 - 125	2	20
Antimony	<0.000750	U	0.100	0.08224		mg/L		82	75 - 125	2	20
Arsenic	0.00174	J	0.100	0.08523		mg/L		83	75 - 125	1	20
Barium	0.0161		0.100	0.1016		mg/L		85	75 - 125	0	20
Beryllium	0.0601		0.100	0.1437		mg/L		84	75 - 125	2	20
Cadmium	<0.000240	U F1	0.100	0.07274	F1	mg/L		73	75 - 125	0	20
Chromium	<0.000560	U	0.100	0.09120		mg/L		91	75 - 125	0	20
Cobalt	0.0137		0.100	0.09920		mg/L		86	75 - 125	1	20
Iron	7.76		0.500	8.191	4	mg/L		85	75 - 125	4	20
Lead	<0.000367	U	0.100	0.1015		mg/L		102	75 - 125	1	20
Molybdenum	<0.000255	U	0.100	0.08962		mg/L		90	75 - 125	2	20
Selenium	<0.000590	U F1	0.100	0.07049	F1	mg/L		70	75 - 125	0	20
Thallium	<0.000415	U	0.100	0.1069		mg/L		107	75 - 125	3	20

Lab Sample ID: MB 860-277921/1-A
Matrix: Water
Analysis Batch: 278384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 15:27	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 15:27	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 15:27	1

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

Lab Sample ID: MB 860-277921/1-A
Matrix: Water
Analysis Batch: 278384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 15:27	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 15:27	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 15:27	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 15:27	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 15:27	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 15:27	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 15:27	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 15:27	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 15:27	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 15:27	1

Lab Sample ID: LCS 860-277921/2-A
Matrix: Water
Analysis Batch: 278384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277921

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5228		mg/L		105	80 - 120
Antimony	0.100	0.1068		mg/L		107	80 - 120
Arsenic	0.100	0.1017		mg/L		102	80 - 120
Barium	0.100	0.1045		mg/L		104	80 - 120
Beryllium	0.100	0.09645		mg/L		96	80 - 120
Cadmium	0.100	0.1033		mg/L		103	80 - 120
Chromium	0.100	0.1059		mg/L		106	80 - 120
Cobalt	0.100	0.1054		mg/L		105	80 - 120
Iron	0.500	0.5241		mg/L		105	80 - 120
Lead	0.100	0.1039		mg/L		104	80 - 120
Molybdenum	0.100	0.1032		mg/L		103	80 - 120
Selenium	0.100	0.09218		mg/L		92	80 - 120
Thallium	0.100	0.1067		mg/L		107	80 - 120

Lab Sample ID: LCSD 860-277921/3-A
Matrix: Water
Analysis Batch: 278384

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277921

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5153		mg/L		103	80 - 120	1	20
Antimony	0.100	0.1077		mg/L		108	80 - 120	1	20
Arsenic	0.100	0.1024		mg/L		102	80 - 120	1	20
Barium	0.100	0.1059		mg/L		106	80 - 120	1	20
Beryllium	0.100	0.09893		mg/L		99	80 - 120	3	20
Cadmium	0.100	0.1048		mg/L		105	80 - 120	1	20
Chromium	0.100	0.1059		mg/L		106	80 - 120	0	20
Cobalt	0.100	0.1054		mg/L		105	80 - 120	0	20
Iron	0.500	0.5256		mg/L		105	80 - 120	0	20
Lead	0.100	0.1043		mg/L		104	80 - 120	0	20
Molybdenum	0.100	0.1042		mg/L		104	80 - 120	1	20
Selenium	0.100	0.09193		mg/L		92	80 - 120	0	20
Thallium	0.100	0.1063		mg/L		106	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 860-277186/1-C
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277524

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 17:58	1

Lab Sample ID: MB 860-277524/10-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 17:54	1

Lab Sample ID: LCS 860-277524/11-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001955		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-277524/12-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277524

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001956		mg/L		98	80 - 120	0	20

Lab Sample ID: LB 860-277142/1-D
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277586

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:53	11/21/25 18:47	1

Lab Sample ID: MB 860-277586/1-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:53	11/21/25 18:40	1

Lab Sample ID: LCS 860-277586/2-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001968		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-277586/3-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277586

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001915		mg/L		96	80 - 120	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 860-277153/1-F
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277587

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 19:36	1

Lab Sample ID: MB 860-277587/1-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 13:57	11/21/25 19:29	1

Lab Sample ID: LCS 860-277587/2-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.002006		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-277587/3-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277587

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001998		mg/L		100	80 - 120	0	20

Lab Sample ID: MB 860-278676/10-A
Matrix: Water
Analysis Batch: 278741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/26/25 17:04	11/26/25 22:09	1

Lab Sample ID: LCS 860-278676/11-A
Matrix: Water
Analysis Batch: 278741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001785		mg/L		89	80 - 120

Lab Sample ID: LCSD 860-278676/12-A
Matrix: Water
Analysis Batch: 278741

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278676

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001786		mg/L		89	80 - 120	0	20

Lab Sample ID: LB 860-278039/1-E
Matrix: Water
Analysis Batch: 278741

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 278676

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/26/25 17:04	11/26/25 22:13	1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-277820/3
Matrix: Water
Analysis Batch: 277820

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/21/25 10:41	1

Lab Sample ID: MB 860-277820/62
Matrix: Water
Analysis Batch: 277820

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/21/25 15:51	1

Lab Sample ID: LCS 860-277820/4
Matrix: Water
Analysis Batch: 277820

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	242.2		mg/L		97	85 - 115		

Lab Sample ID: LCS 860-277820/63
Matrix: Water
Analysis Batch: 277820

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	241.4		mg/L		97	85 - 115		

Lab Sample ID: LCSD 860-277820/5
Matrix: Water
Analysis Batch: 277820

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
Alkalinity			250	243.0		mg/L		97	85 - 115	0	20

Lab Sample ID: LCSD 860-277820/64
Matrix: Water
Analysis Batch: 277820

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
Alkalinity			250	242.6		mg/L		97	85 - 115	1	20

Lab Sample ID: 870-41696-5 DU
Matrix: Water
Analysis Batch: 277820

Client Sample ID: FD4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	186			185.4		mg/L				0.5	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-33731/1
Matrix: Water
Analysis Batch: 33731

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			11/20/25 16:04	1

Lab Sample ID: LCS 870-33731/2
Matrix: Water
Analysis Batch: 33731

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1015		mg/L		102	80 - 120		

Lab Sample ID: LCSD 870-33731/3
Matrix: Water
Analysis Batch: 33731

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
Total Dissolved Solids			1000	960.0		mg/L		96	80 - 120	6	10

Lab Sample ID: MB 870-33750/1
Matrix: Water
Analysis Batch: 33750

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			11/21/25 10:05	1

Lab Sample ID: LCS 870-33750/2
Matrix: Water
Analysis Batch: 33750

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	963.0		mg/L		96	80 - 120		

Lab Sample ID: LCSD 870-33750/3
Matrix: Water
Analysis Batch: 33750

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
Total Dissolved Solids			1000	900.0		mg/L		90	80 - 120	7	10

Lab Sample ID: 870-41696-15 DU
Matrix: Water
Analysis Batch: 33750

Client Sample ID: AP MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1170			1205		mg/L				3	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-41696-10 DU
Matrix: Water
Analysis Batch: 33752

Client Sample ID: SSP MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.5	HF	6.5		SU		0.2	20
Temperature	20.1	HF	20.1		Celsius		0	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-746339/1-A
Matrix: Water
Analysis Batch: 749146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746339

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.216	U G	12.9	12.9	50.0	55.6	pCi/L	11/21/25 09:31	12/12/25 01:23	1
Radium-228	11.48	U	34.6	34.6	50.0	47.1	pCi/L	11/21/25 09:31	12/12/25 01:23	1
Combined Radium 226 + 228	13.70	U	36.9	36.9		55.6	pCi/L	11/21/25 09:31	12/12/25 01:23	1

Lab Sample ID: LCS 160-746339/2-A
Matrix: Water
Analysis Batch: 749147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746339

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	142100		14600		427	pCi/L	100	75 - 125
Cesium-137	37500	37160		3640		178	pCi/L	99	75 - 125
Cobalt-60	50000	50400		4920		153	pCi/L	101	75 - 125

Lab Sample ID: 870-41696-1 DU
Matrix: Water
Analysis Batch: 749146

Client Sample ID: SSP MW-4S
Prep Type: Total/NA
Prep Batch: 746339

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	11.2	U G	-9.637	U G	35.2	50.0	60.7	pCi/L	0.38	1
Radium-228	14.9	U G	9.473	U G	22.4	50.0	56.8	pCi/L	0.09	1
Combined Radium 226 + 228	26.1	U	-0.1636	U	41.7		60.7	pCi/L	0.31	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-746315/1-A
Matrix: Water
Analysis Batch: 749247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746315

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01592	U	0.0514	0.0514	1.00	0.103	pCi/L	11/21/25 07:38	12/15/25 21:03	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:03*	*1*

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: LCS 160-746315/2-A
Matrix: Water
Analysis Batch: 749247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746315

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.613		0.874	1.00	0.0990	pCi/L	80	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.1*		*30 - 110*

Lab Sample ID: LCSD 160-746315/3-A
Matrix: Water
Analysis Batch: 749247

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 746315

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.57	8.307		0.931	1.00	0.0935	pCi/L	87	75 - 125	0.38	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*87.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-746323/1-A
Matrix: Water
Analysis Batch: 749171

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746323

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4814	U	0.452	0.454	1.00	0.722	pCi/L	11/21/25 07:50	12/12/25 09:51	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:51*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:51*	*1*

Lab Sample ID: LCS 160-746323/2-A
Matrix: Water
Analysis Batch: 749171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746323

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.86	10.75		1.52	1.00	0.744	pCi/L	137	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.1*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-746323/3-A
Matrix: Water
Analysis Batch: 749171

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 746323

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.86	10.01		1.39	1.00	0.682	pCi/L	127	75 - 125	0.26	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*87.1*		*30 - 110*
Y Carrier	*85.6*		*30 - 110*

HPLC/IC

Analysis Batch: 277884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-5	FD4	Total/NA	Water	9056A	
870-41696-6	AP PZ-4S	Total/NA	Water	9056A	
870-41696-10	SSP MW-6D	Total/NA	Water	9056A	
870-41696-10	SSP MW-6D	Total/NA	Water	9056A	
870-41696-11	SSP MW-5D	Total/NA	Water	9056A	
870-41696-11	SSP MW-5D	Total/NA	Water	9056A	
870-41696-12	AP MW-1D	Total/NA	Water	9056A	
870-41696-13	AP MW-7S	Total/NA	Water	9056A	
870-41696-13	AP MW-7S	Total/NA	Water	9056A	
MB 860-277884/60	Method Blank	Total/NA	Water	9056A	
LCS 860-277884/61	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-277884/62	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-277884/64	Lab Control Sample	Total/NA	Water	9056A	
870-41696-10 MS	SSP MW-6D	Total/NA	Water	9056A	
870-41696-10 MSD	SSP MW-6D	Total/NA	Water	9056A	

Analysis Batch: 278310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	9056A	
870-41696-1 - DL	SSP MW-4S	Total/NA	Water	9056A	
870-41696-2	FD3	Total/NA	Water	9056A	
870-41696-2 - DL	FD3	Total/NA	Water	9056A	
870-41696-3	SSP MW-6S	Total/NA	Water	9056A	
870-41696-3 - DL	SSP MW-6S	Total/NA	Water	9056A	
870-41696-4	SSP MW-5S	Total/NA	Water	9056A	
870-41696-4 - DL	SSP MW-5S	Total/NA	Water	9056A	
870-41696-7	EB2	Total/NA	Water	9056A	
870-41696-8	SSP MW-3D	Total/NA	Water	9056A	
870-41696-8 - DL	SSP MW-3D	Total/NA	Water	9056A	
870-41696-9	SSP MW-2D	Total/NA	Water	9056A	
870-41696-14	AP MW-1	Total/NA	Water	9056A	
870-41696-14 - DL	AP MW-1	Total/NA	Water	9056A	
870-41696-15	AP MW-4S	Total/NA	Water	9056A	
870-41696-15 - DL	AP MW-4S	Total/NA	Water	9056A	
870-41696-16	AP PZ-1	Total/NA	Water	9056A	
870-41696-16 - DL	AP PZ-1	Total/NA	Water	9056A	
870-41696-17	AP MW-5D	Total/NA	Water	9056A	
870-41696-17 - DL	AP MW-5D	Total/NA	Water	9056A	
MB 860-278310/3	Method Blank	Total/NA	Water	9056A	
LCS 860-278310/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-278310/5	Lab Control Sample Dup	Total/NA	Water	9056A	
870-41696-14 MS	AP MW-1	Total/NA	Water	9056A	
870-41696-14 MSD	AP MW-1	Total/NA	Water	9056A	
870-41696-16 MS	AP PZ-1	Total/NA	Water	9056A	
870-41696-16 MSD	AP PZ-1	Total/NA	Water	9056A	

Metals

Leach Batch: 277142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-277142/1-D	Method Blank	Total/NA	Water	1311	

Metals

Leach Batch: 277153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-277153/1-F	Method Blank	Total/NA	Water	1311	

Leach Batch: 277186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-277186/1-C	Method Blank	Total/NA	Water	1311	

Filtration Batch: 277436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-277436/6-B	Method Blank	Dissolved	Water	Filtration	
LCS 860-277436/7-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-277436/8-B	Lab Control Sample Dup	Dissolved	Water	Filtration	

Filtration Batch: 277437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-277437/25-B	Method Blank	Total/NA	Water	Filtration	
LCS 860-277437/26-B	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-277437/27-B	Lab Control Sample Dup	Total/NA	Water	Filtration	

Prep Batch: 277524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-2	FD3	Total/NA	Water	7470A	
870-41696-3	SSP MW-6S	Total/NA	Water	7470A	
870-41696-5	FD4	Total/NA	Water	7470A	
870-41696-8	SSP MW-3D	Total/NA	Water	7470A	
870-41696-10	SSP MW-6D	Total/NA	Water	7470A	
LB 860-277186/1-C	Method Blank	Total/NA	Water	7470A	277186
MB 860-277524/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-277524/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-277524/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 277586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-12	AP MW-1D	Total/NA	Water	7470A	
870-41696-15	AP MW-4S	Total/NA	Water	7470A	
LB 860-277142/1-D	Method Blank	Total/NA	Water	7470A	277142
MB 860-277586/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-277586/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-277586/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 277587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	7470A	
870-41696-4	SSP MW-5S	Total/NA	Water	7470A	
870-41696-6	AP PZ-4S	Total/NA	Water	7470A	
870-41696-7	EB2	Total/NA	Water	7470A	
870-41696-9	SSP MW-2D	Total/NA	Water	7470A	
870-41696-11	SSP MW-5D	Total/NA	Water	7470A	
870-41696-13	AP MW-7S	Total/NA	Water	7470A	
870-41696-14	AP MW-1	Total/NA	Water	7470A	
870-41696-16	AP PZ-1	Total/NA	Water	7470A	
870-41696-17	AP MW-5D	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 277587 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-277153/1-F	Method Blank	Total/NA	Water	7470A	277153
MB 860-277587/1-A	Method Blank	Total/NA	Water	7470A	
LCS 860-277587/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-277587/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 277708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	7470A	277587
870-41696-2	FD3	Total/NA	Water	7470A	277524
870-41696-3	SSP MW-6S	Total/NA	Water	7470A	277524
870-41696-4	SSP MW-5S	Total/NA	Water	7470A	277587
870-41696-5	FD4	Total/NA	Water	7470A	277524
870-41696-6	AP PZ-4S	Total/NA	Water	7470A	277587
870-41696-7	EB2	Total/NA	Water	7470A	277587
870-41696-8	SSP MW-3D	Total/NA	Water	7470A	277524
870-41696-9	SSP MW-2D	Total/NA	Water	7470A	277587
870-41696-10	SSP MW-6D	Total/NA	Water	7470A	277524
870-41696-11	SSP MW-5D	Total/NA	Water	7470A	277587
870-41696-12	AP MW-1D	Total/NA	Water	7470A	277586
870-41696-13	AP MW-7S	Total/NA	Water	7470A	277587
870-41696-14	AP MW-1	Total/NA	Water	7470A	277587
870-41696-15	AP MW-4S	Total/NA	Water	7470A	277586
870-41696-16	AP PZ-1	Total/NA	Water	7470A	277587
870-41696-17	AP MW-5D	Total/NA	Water	7470A	277587
LB 860-277142/1-D	Method Blank	Total/NA	Water	7470A	277586
LB 860-277153/1-F	Method Blank	Total/NA	Water	7470A	277587
LB 860-277186/1-C	Method Blank	Total/NA	Water	7470A	277524
MB 860-277524/10-A	Method Blank	Total/NA	Water	7470A	277524
MB 860-277586/1-A	Method Blank	Total/NA	Water	7470A	277586
MB 860-277587/1-A	Method Blank	Total/NA	Water	7470A	277587
LCS 860-277524/11-A	Lab Control Sample	Total/NA	Water	7470A	277524
LCS 860-277586/2-A	Lab Control Sample	Total/NA	Water	7470A	277586
LCS 860-277587/2-A	Lab Control Sample	Total/NA	Water	7470A	277587
LCSD 860-277524/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	277524
LCSD 860-277586/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	277586
LCSD 860-277587/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	277587

Leach Batch: 277711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-277711/1-B	Method Blank	Dissolved	Water	1311	

Prep Batch: 277808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	3010A	
870-41696-6	AP PZ-4S	Total/NA	Water	3010A	
870-41696-10	SSP MW-6D	Total/NA	Water	3010A	
870-41696-11	SSP MW-5D	Total/NA	Water	3010A	
870-41696-12	AP MW-1D	Total/NA	Water	3010A	
870-41696-17	AP MW-5D	Total/NA	Water	3010A	
MB 860-277808/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277808/2-A	Lab Control Sample	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 277808 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-277808/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-41696-6 MS	AP PZ-4S	Total/NA	Water	3010A	
870-41696-6 MSD	AP PZ-4S	Total/NA	Water	3010A	

Prep Batch: 277809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-3	SSP MW-6S	Total/NA	Water	3010A	
870-41696-4	SSP MW-5S	Total/NA	Water	3010A	
870-41696-5	FD4	Total/NA	Water	3010A	
870-41696-7	EB2	Total/NA	Water	3010A	
870-41696-8	SSP MW-3D	Total/NA	Water	3010A	
870-41696-9	SSP MW-2D	Total/NA	Water	3010A	
MB 860-277809/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277809/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277809/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-41696-3 MS	SSP MW-6S	Total/NA	Water	3010A	
870-41696-3 MSD	SSP MW-6S	Total/NA	Water	3010A	

Prep Batch: 277856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-2	FD3	Total/NA	Water	3010A	
870-41696-4	SSP MW-5S	Total/NA	Water	3010A	
870-41696-7	EB2	Total/NA	Water	3010A	
870-41696-9	SSP MW-2D	Total/NA	Water	3010A	
870-41696-13	AP MW-7S	Total/NA	Water	3010A	
870-41696-14	AP MW-1	Total/NA	Water	3010A	
870-41696-15	AP MW-4S	Total/NA	Water	3010A	
MB 860-277437/25-B	Method Blank	Total/NA	Water	3010A	277437
LCS 860-277437/26-B	Lab Control Sample	Total/NA	Water	3010A	277437
LCSD 860-277437/27-B	Lab Control Sample Dup	Total/NA	Water	3010A	277437
870-41696-2 MS	FD3	Total/NA	Water	3010A	
870-41696-2 MSD	FD3	Total/NA	Water	3010A	

Prep Batch: 277921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	3010A	
870-41696-2	FD3	Total/NA	Water	3010A	
870-41696-6	AP PZ-4S	Total/NA	Water	3010A	
870-41696-10	SSP MW-6D	Total/NA	Water	3010A	
870-41696-11	SSP MW-5D	Total/NA	Water	3010A	
870-41696-12	AP MW-1D	Total/NA	Water	3010A	
870-41696-13	AP MW-7S	Total/NA	Water	3010A	
870-41696-14	AP MW-1	Total/NA	Water	3010A	
870-41696-15	AP MW-4S	Total/NA	Water	3010A	
870-41696-16	AP PZ-1	Total/NA	Water	3010A	
870-41696-17	AP MW-5D	Total/NA	Water	3010A	
MB 860-277921/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277921/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277921/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Prep Batch: 277922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-3	SSP MW-6S	Total/NA	Water	3010A	
870-41696-16	AP PZ-1	Total/NA	Water	3010A	
MB 860-277922/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277922/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277922/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 278015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	6010D	277808
870-41696-1	SSP MW-4S	Total/NA	Water	6010D	277808
870-41696-6	AP PZ-4S	Total/NA	Water	6010D	277808
870-41696-6	AP PZ-4S	Total/NA	Water	6010D	277808
870-41696-10	SSP MW-6D	Total/NA	Water	6010D	277808
870-41696-10	SSP MW-6D	Total/NA	Water	6010D	277808
870-41696-11	SSP MW-5D	Total/NA	Water	6010D	277808
870-41696-11	SSP MW-5D	Total/NA	Water	6010D	277808
870-41696-12	AP MW-1D	Total/NA	Water	6010D	277808
870-41696-17	AP MW-5D	Total/NA	Water	6010D	277808
870-41696-17	AP MW-5D	Total/NA	Water	6010D	277808
MB 860-277808/1-A	Method Blank	Total/NA	Water	6010D	277808
LCS 860-277808/2-A	Lab Control Sample	Total/NA	Water	6010D	277808
LCSD 860-277808/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	277808
870-41696-6 MS	AP PZ-4S	Total/NA	Water	6010D	277808
870-41696-6 MSD	AP PZ-4S	Total/NA	Water	6010D	277808

Leach Batch: 278039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-278039/1-E	Method Blank	Dissolved	Water	1311	

Analysis Batch: 278112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-3	SSP MW-6S	Total/NA	Water	6020B	277809
870-41696-4	SSP MW-5S	Total/NA	Water	6020B	277809
870-41696-5	FD4	Total/NA	Water	6020B	277809
870-41696-7	EB2	Total/NA	Water	6020B	277809
870-41696-8	SSP MW-3D	Total/NA	Water	6020B	277809
870-41696-9	SSP MW-2D	Total/NA	Water	6020B	277809
MB 860-277809/1-A	Method Blank	Total/NA	Water	6020B	277809
LCS 860-277809/2-A	Lab Control Sample	Total/NA	Water	6020B	277809
LCSD 860-277809/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	277809
870-41696-3 MS	SSP MW-6S	Total/NA	Water	6020B	277809
870-41696-3 MSD	SSP MW-6S	Total/NA	Water	6020B	277809

Analysis Batch: 278138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-2	FD3	Total/NA	Water	6010D	277856
870-41696-2	FD3	Total/NA	Water	6010D	277856
870-41696-3	SSP MW-6S	Total/NA	Water	6010D	277922
870-41696-3	SSP MW-6S	Total/NA	Water	6010D	277922
870-41696-4	SSP MW-5S	Total/NA	Water	6010D	277856
870-41696-4	SSP MW-5S	Total/NA	Water	6010D	277856

Metals (Continued)

Analysis Batch: 278138 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-7	EB2	Total/NA	Water	6010D	277856
870-41696-9	SSP MW-2D	Total/NA	Water	6010D	277856
870-41696-9	SSP MW-2D	Total/NA	Water	6010D	277856
870-41696-13	AP MW-7S	Total/NA	Water	6010D	277856
870-41696-13	AP MW-7S	Total/NA	Water	6010D	277856
870-41696-14	AP MW-1	Total/NA	Water	6010D	277856
870-41696-15	AP MW-4S	Total/NA	Water	6010D	277856
870-41696-16	AP PZ-1	Total/NA	Water	6010D	277922
870-41696-16	AP PZ-1	Total/NA	Water	6010D	277922
MB 860-277437/25-B	Method Blank	Total/NA	Water	6010D	277856
MB 860-277922/1-A	Method Blank	Total/NA	Water	6010D	277922
LCS 860-277437/26-B	Lab Control Sample	Total/NA	Water	6010D	277856
LCS 860-277922/2-A	Lab Control Sample	Total/NA	Water	6010D	277922
LCSD 860-277437/27-B	Lab Control Sample Dup	Total/NA	Water	6010D	277856
LCSD 860-277922/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	277922
870-41696-2 MS	FD3	Total/NA	Water	6010D	277856
870-41696-2 MSD	FD3	Total/NA	Water	6010D	277856

Prep Batch: 278151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-11	SSP MW-5D	Dissolved	Water	3010A	
LB 860-277711/1-B	Method Blank	Dissolved	Water	3010A	277711
MB 860-277436/6-B	Method Blank	Dissolved	Water	3010A	277436
LCS 860-277436/7-B	Lab Control Sample	Dissolved	Water	3010A	277436
LCSD 860-277436/8-B	Lab Control Sample Dup	Dissolved	Water	3010A	277436

Analysis Batch: 278384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	6020B	277921
870-41696-1	SSP MW-4S	Total/NA	Water	6020B	277921
870-41696-2	FD3	Total/NA	Water	6020B	277921
870-41696-2	FD3	Total/NA	Water	6020B	277921
870-41696-6	AP PZ-4S	Total/NA	Water	6020B	277921
870-41696-10	SSP MW-6D	Total/NA	Water	6020B	277921
870-41696-11	SSP MW-5D	Total/NA	Water	6020B	277921
870-41696-12	AP MW-1D	Total/NA	Water	6020B	277921
870-41696-13	AP MW-7S	Total/NA	Water	6020B	277921
870-41696-13	AP MW-7S	Total/NA	Water	6020B	277921
870-41696-14	AP MW-1	Total/NA	Water	6020B	277921
870-41696-15	AP MW-4S	Total/NA	Water	6020B	277921
870-41696-15	AP MW-4S	Total/NA	Water	6020B	277921
870-41696-16	AP PZ-1	Total/NA	Water	6020B	277921
870-41696-17	AP MW-5D	Total/NA	Water	6020B	277921
870-41696-17	AP MW-5D	Total/NA	Water	6020B	277921
MB 860-277921/1-A	Method Blank	Total/NA	Water	6020B	277921
LCS 860-277921/2-A	Lab Control Sample	Total/NA	Water	6020B	277921
LCSD 860-277921/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	277921

Analysis Batch: 278460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-11	SSP MW-5D	Dissolved	Water	6010D	278151

Metals (Continued)

Analysis Batch: 278460 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-11	SSP MW-5D	Dissolved	Water	6010D	278151
LB 860-277711/1-B	Method Blank	Dissolved	Water	6010D	278151
MB 860-277436/6-B	Method Blank	Dissolved	Water	6010D	278151
LCS 860-277436/7-B	Lab Control Sample	Dissolved	Water	6010D	278151
LCSD 860-277436/8-B	Lab Control Sample Dup	Dissolved	Water	6010D	278151

Prep Batch: 278581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-5	FD4	Total/NA	Water	3010A	
870-41696-8	SSP MW-3D	Total/NA	Water	3010A	
MB 860-278581/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-278581/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-278581/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 278676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-11	SSP MW-5D	Dissolved	Water	7470A	
LB 860-278039/1-E	Method Blank	Dissolved	Water	7470A	278039
MB 860-278676/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-278676/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-278676/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 278741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-11	SSP MW-5D	Dissolved	Water	7470A	278676
LB 860-278039/1-E	Method Blank	Dissolved	Water	7470A	278676
MB 860-278676/10-A	Method Blank	Total/NA	Water	7470A	278676
LCS 860-278676/11-A	Lab Control Sample	Total/NA	Water	7470A	278676
LCSD 860-278676/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	278676

Analysis Batch: 279026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-5	FD4	Total/NA	Water	6010D	278581
870-41696-8	SSP MW-3D	Total/NA	Water	6010D	278581
870-41696-8	SSP MW-3D	Total/NA	Water	6010D	278581
MB 860-278581/1-A	Method Blank	Total/NA	Water	6010D	278581
LCS 860-278581/2-A	Lab Control Sample	Total/NA	Water	6010D	278581
LCSD 860-278581/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	278581

General Chemistry

Analysis Batch: 33731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	SM 2540C	
870-41696-2	FD3	Total/NA	Water	SM 2540C	
870-41696-3	SSP MW-6S	Total/NA	Water	SM 2540C	
870-41696-4	SSP MW-5S	Total/NA	Water	SM 2540C	
870-41696-5	FD4	Total/NA	Water	SM 2540C	
870-41696-6	AP PZ-4S	Total/NA	Water	SM 2540C	
870-41696-7	EB2	Total/NA	Water	SM 2540C	
870-41696-8	SSP MW-3D	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 33731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-9	SSP MW-2D	Total/NA	Water	SM 2540C	
870-41696-10	SSP MW-6D	Total/NA	Water	SM 2540C	
870-41696-11	SSP MW-5D	Total/NA	Water	SM 2540C	
870-41696-12	AP MW-1D	Total/NA	Water	SM 2540C	
870-41696-13	AP MW-7S	Total/NA	Water	SM 2540C	
870-41696-14	AP MW-1	Total/NA	Water	SM 2540C	
MB 870-33731/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-33731/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-33731/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 33750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-15	AP MW-4S	Total/NA	Water	SM 2540C	
870-41696-16	AP PZ-1	Total/NA	Water	SM 2540C	
870-41696-17	AP MW-5D	Total/NA	Water	SM 2540C	
MB 870-33750/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-33750/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-33750/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-41696-15 DU	AP MW-4S	Total/NA	Water	SM 2540C	

Analysis Batch: 33752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-41696-2	FD3	Total/NA	Water	SM 4500 H+ B	
870-41696-3	SSP MW-6S	Total/NA	Water	SM 4500 H+ B	
870-41696-4	SSP MW-5S	Total/NA	Water	SM 4500 H+ B	
870-41696-5	FD4	Total/NA	Water	SM 4500 H+ B	
870-41696-6	AP PZ-4S	Total/NA	Water	SM 4500 H+ B	
870-41696-7	EB2	Total/NA	Water	SM 4500 H+ B	
870-41696-8	SSP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-41696-9	SSP MW-2D	Total/NA	Water	SM 4500 H+ B	
870-41696-10	SSP MW-6D	Total/NA	Water	SM 4500 H+ B	
870-41696-11	SSP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-41696-12	AP MW-1D	Total/NA	Water	SM 4500 H+ B	
870-41696-13	AP MW-7S	Total/NA	Water	SM 4500 H+ B	
870-41696-14	AP MW-1	Total/NA	Water	SM 4500 H+ B	
870-41696-15	AP MW-4S	Total/NA	Water	SM 4500 H+ B	
870-41696-16	AP PZ-1	Total/NA	Water	SM 4500 H+ B	
870-41696-17	AP MW-5D	Total/NA	Water	SM 4500 H+ B	
870-41696-10 DU	SSP MW-6D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 277820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	SM 2320B	
870-41696-2	FD3	Total/NA	Water	SM 2320B	
870-41696-3	SSP MW-6S	Total/NA	Water	SM 2320B	
870-41696-4	SSP MW-5S	Total/NA	Water	SM 2320B	
870-41696-5	FD4	Total/NA	Water	SM 2320B	
870-41696-6	AP PZ-4S	Total/NA	Water	SM 2320B	
870-41696-7	EB2	Total/NA	Water	SM 2320B	
870-41696-8	SSP MW-3D	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 277820 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-9	SSP MW-2D	Total/NA	Water	SM 2320B	
870-41696-10	SSP MW-6D	Total/NA	Water	SM 2320B	
870-41696-11	SSP MW-5D	Total/NA	Water	SM 2320B	
870-41696-12	AP MW-1D	Total/NA	Water	SM 2320B	
870-41696-13	AP MW-7S	Total/NA	Water	SM 2320B	
870-41696-14	AP MW-1	Total/NA	Water	SM 2320B	
870-41696-15	AP MW-4S	Total/NA	Water	SM 2320B	
870-41696-16	AP PZ-1	Total/NA	Water	SM 2320B	
870-41696-17	AP MW-5D	Total/NA	Water	SM 2320B	
MB 860-277820/3	Method Blank	Total/NA	Water	SM 2320B	
MB 860-277820/62	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-277820/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 860-277820/63	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-277820/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 860-277820/64	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-41696-5 DU	FD4	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 746315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	PrecSep-21	
870-41696-2	FD3	Total/NA	Water	PrecSep-21	
870-41696-3	SSP MW-6S	Total/NA	Water	PrecSep-21	
870-41696-4	SSP MW-5S	Total/NA	Water	PrecSep-21	
870-41696-5	FD4	Total/NA	Water	PrecSep-21	
870-41696-6	AP PZ-4S	Total/NA	Water	PrecSep-21	
870-41696-7	EB2	Total/NA	Water	PrecSep-21	
870-41696-8	SSP MW-3D	Total/NA	Water	PrecSep-21	
870-41696-9	SSP MW-2D	Total/NA	Water	PrecSep-21	
870-41696-10	SSP MW-6D	Total/NA	Water	PrecSep-21	
870-41696-11	SSP MW-5D	Total/NA	Water	PrecSep-21	
870-41696-12	AP MW-1D	Total/NA	Water	PrecSep-21	
870-41696-13	AP MW-7S	Total/NA	Water	PrecSep-21	
870-41696-14	AP MW-1	Total/NA	Water	PrecSep-21	
870-41696-15	AP MW-4S	Total/NA	Water	PrecSep-21	
870-41696-16	AP PZ-1	Total/NA	Water	PrecSep-21	
870-41696-17	AP MW-5D	Total/NA	Water	PrecSep-21	
MB 160-746315/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746315/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-746315/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 746323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	PrecSep_0	
870-41696-2	FD3	Total/NA	Water	PrecSep_0	
870-41696-3	SSP MW-6S	Total/NA	Water	PrecSep_0	
870-41696-4	SSP MW-5S	Total/NA	Water	PrecSep_0	
870-41696-5	FD4	Total/NA	Water	PrecSep_0	
870-41696-6	AP PZ-4S	Total/NA	Water	PrecSep_0	
870-41696-7	EB2	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 746323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-8	SSP MW-3D	Total/NA	Water	PrecSep_0	
870-41696-9	SSP MW-2D	Total/NA	Water	PrecSep_0	
870-41696-10	SSP MW-6D	Total/NA	Water	PrecSep_0	
870-41696-11	SSP MW-5D	Total/NA	Water	PrecSep_0	
870-41696-12	AP MW-1D	Total/NA	Water	PrecSep_0	
870-41696-13	AP MW-7S	Total/NA	Water	PrecSep_0	
870-41696-14	AP MW-1	Total/NA	Water	PrecSep_0	
870-41696-15	AP MW-4S	Total/NA	Water	PrecSep_0	
870-41696-16	AP PZ-1	Total/NA	Water	PrecSep_0	
870-41696-17	AP MW-5D	Total/NA	Water	PrecSep_0	
MB 160-746323/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746323/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-746323/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 746339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41696-1	SSP MW-4S	Total/NA	Water	Fill_Geo-21	
870-41696-2	FD3	Total/NA	Water	Fill_Geo-21	
870-41696-3	SSP MW-6S	Total/NA	Water	Fill_Geo-21	
870-41696-4	SSP MW-5S	Total/NA	Water	Fill_Geo-21	
870-41696-5	FD4	Total/NA	Water	Fill_Geo-21	
870-41696-6	AP PZ-4S	Total/NA	Water	Fill_Geo-21	
870-41696-7	EB2	Total/NA	Water	Fill_Geo-21	
870-41696-8	SSP MW-3D	Total/NA	Water	Fill_Geo-21	
870-41696-9	SSP MW-2D	Total/NA	Water	Fill_Geo-21	
870-41696-10	SSP MW-6D	Total/NA	Water	Fill_Geo-21	
870-41696-11	SSP MW-5D	Total/NA	Water	Fill_Geo-21	
870-41696-12	AP MW-1D	Total/NA	Water	Fill_Geo-21	
870-41696-13	AP MW-7S	Total/NA	Water	Fill_Geo-21	
870-41696-14	AP MW-1	Total/NA	Water	Fill_Geo-21	
870-41696-15	AP MW-4S	Total/NA	Water	Fill_Geo-21	
870-41696-16	AP PZ-1	Total/NA	Water	Fill_Geo-21	
870-41696-17	AP MW-5D	Total/NA	Water	Fill_Geo-21	
MB 160-746339/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-746339/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-41696-1 DU	SSP MW-4S	Total/NA	Water	Fill_Geo-21	

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41696-1
SDG: 10290148

Client Sample ID: SSP MW-4S

Date Collected: 11/17/25 09:45
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 22:06	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278310	11/25/25 22:13	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		1			278015	11/24/25 11:13	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		50			278015	11/24/25 11:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:00	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		5			278384	11/25/25 16:04	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:00	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 14:13	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33731	11/20/25 16:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749147	12/12/25 01:24	MLS	EET SL
Total/NA	Prep	PrecSep-21			755.35 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:05	SWS	EET SL
Total/NA	Prep	PrecSep_0			755.35 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749171	12/12/25 09:53	SWS	EET SL

Client Sample ID: FD3

Date Collected: 11/17/25 10:15
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 21:51	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278310	11/25/25 21:58	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 17:45	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 17:52	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:06	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		5			278384	11/25/25 16:10	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277524	11/21/25 11:25	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 18:39	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 14:22	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33731	11/20/25 16:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL

Client Sample ID: FD3

Lab Sample ID: 870-41696-2

Date Collected: 11/17/25 10:15

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749148	12/12/25 07:28	MLS	EET SL
Total/NA	Prep	PrecSep-21			751.10 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:05	SWS	EET SL
Total/NA	Prep	PrecSep_0			751.10 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749171	12/12/25 09:53	SWS	EET SL

Client Sample ID: SSP MW-6S

Lab Sample ID: 870-41696-3

Date Collected: 11/17/25 13:15

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 21:36	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278310	11/25/25 21:44	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:53	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277809	11/24/25 00:12	PB	EET HOU
Total/NA	Analysis	6020B		1			278112	11/24/25 19:28	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277524	11/21/25 11:25	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 18:35	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 14:17	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33731	11/20/25 16:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749146	12/12/25 07:29	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.23 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:05	SWS	EET SL
Total/NA	Prep	PrecSep_0			1003.23 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749171	12/12/25 09:53	SWS	EET SL

Client Sample ID: SSP MW-5S

Lab Sample ID: 870-41696-4

Date Collected: 11/17/25 13:05

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1	0 mL	1.0 mL	278310	11/25/25 21:07	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10	0 mL	1.0 mL	278310	11/25/25 21:14	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 18:03	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 18:11	JDM	EET HOU

Client Sample ID: SSP MW-5S

Lab Sample ID: 870-41696-4

Date Collected: 11/17/25 13:05
Matrix: Water
Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	277809	11/24/25 00:12	PB	EET HOU
Total/NA	Analysis	6020B		1			278112	11/24/25 20:33	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:03	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 15:30	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33731	11/20/25 16:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749153	12/12/25 07:28	MLS	EET SL
Total/NA	Prep	PrecSep-21			1008.76 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:06	SWS	EET SL
Total/NA	Prep	PrecSep_0			1008.76 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749171	12/12/25 09:53	SWS	EET SL

Client Sample ID: FD4

Lab Sample ID: 870-41696-5

Date Collected: 11/17/25 10:20
Matrix: Water
Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			277884	11/25/25 02:23	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278581	11/26/25 12:42	AGR	EET HOU
Total/NA	Analysis	6010D		1			279026	12/01/25 13:34	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277809	11/24/25 00:12	PB	EET HOU
Total/NA	Analysis	6020B		1			278112	11/24/25 20:44	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277524	11/21/25 11:25	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 18:38	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 16:09	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33731	11/20/25 16:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749151	12/12/25 07:29	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.82 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:06	SWS	EET SL
Total/NA	Prep	PrecSep_0			1001.82 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749171	12/12/25 09:53	SWS	EET SL

Client Sample ID: AP PZ-4S

Lab Sample ID: 870-41696-6

Date Collected: 11/17/25 09:50
Matrix: Water
Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			277884	11/25/25 02:03	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		1			278015	11/24/25 10:55	JDM	EET HOU

Client Sample ID: AP PZ-4S

Lab Sample ID: 870-41696-6

Date Collected: 11/17/25 09:50

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		50			278015	11/24/25 11:03	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:13	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:14	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 16:33	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33731	11/20/25 16:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749148	12/12/25 09:05	MLS	EET SL
Total/NA	Prep	PrecSep-21			1007.30 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:06	SWS	EET SL
Total/NA	Prep	PrecSep_0			1007.30 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:54	SWS	EET SL

Client Sample ID: EB2

Lab Sample ID: 870-41696-7

Date Collected: 11/17/25 10:30

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 19:39	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 18:16	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277809	11/24/25 00:12	PB	EET HOU
Total/NA	Analysis	6020B		1			278112	11/24/25 20:35	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:10	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 16:45	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	33731	11/20/25 16:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749146	12/12/25 09:06	MLS	EET SL
Total/NA	Prep	PrecSep-21			1005.57 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:06	SWS	EET SL
Total/NA	Prep	PrecSep_0			1005.57 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: SSP MW-3D

Lab Sample ID: 870-41696-8

Date Collected: 11/17/25 09:45

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 19:24	RJD	EET HOU

Client Sample ID: SSP MW-3D

Date Collected: 11/17/25 09:45
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A	DL	10			278310	11/25/25 19:31	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278581	11/26/25 12:42	AGR	EET HOU
Total/NA	Analysis	6010D		1			279026	12/01/25 13:41	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278581	11/26/25 12:42	AGR	EET HOU
Total/NA	Analysis	6010D		50			279026	12/01/25 13:47	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277809	11/24/25 00:12	PB	EET HOU
Total/NA	Analysis	6020B		1			278112	11/24/25 20:41	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277524	11/21/25 11:25	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 18:36	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 15:36	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33731	11/20/25 16:04	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749153	12/12/25 09:05	MLS	EET SL
Total/NA	Prep	PrecSep-21			753.53 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:06	SWS	EET SL
Total/NA	Prep	PrecSep_0			753.53 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: SSP MW-2D

Date Collected: 11/17/25 14:25
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278310	11/25/25 19:09	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 18:17	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 18:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277809	11/24/25 00:12	PB	EET HOU
Total/NA	Analysis	6020B		1			278112	11/24/25 20:38	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:09	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 14:44	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33731	11/20/25 17:02	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749151	12/12/25 09:05	MLS	EET SL
Total/NA	Prep	PrecSep-21			754.45 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:06	SWS	EET SL
Total/NA	Prep	PrecSep_0			754.45 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: SSP MW-6D

Lab Sample ID: 870-41696-10

Date Collected: 11/17/25 14:40

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277884	11/24/25 23:23	RJD	EET HOU
Total/NA	Analysis	9056A		10			277884	11/24/25 23:33	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		1			278015	11/24/25 11:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		50			278015	11/24/25 11:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:15	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277524	11/21/25 11:25	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 18:33	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 17:28	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33731	11/20/25 17:02	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749148	12/12/25 11:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			757.17 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:08	SWS	EET SL
Total/NA	Prep	PrecSep_0			757.17 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: SSP MW-5D

Lab Sample ID: 870-41696-11

Date Collected: 11/17/25 17:10

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277884	11/25/25 00:23	RJD	EET HOU
Total/NA	Analysis	9056A		10			277884	11/25/25 00:33	RJD	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	278151	11/25/25 09:21	AGR	EET HOU
Dissolved	Analysis	6010D		1			278460	11/25/25 18:30	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	278151	11/25/25 09:21	AGR	EET HOU
Dissolved	Analysis	6010D		50			278460	11/25/25 18:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		1			278015	11/24/25 11:15	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		50			278015	11/24/25 11:23	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:18	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	278676	11/26/25 17:04	PB	EET HOU
Dissolved	Analysis	7470A		1			278741	11/26/25 22:27	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 15:23	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33731	11/20/25 17:02	TM	EET DAL

Client Sample ID: SSP MW-5D

Lab Sample ID: 870-41696-11

Date Collected: 11/17/25 17:10

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749146	12/12/25 11:43	MLS	EET SL
Total/NA	Prep	PrecSep-21			754.95 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:08	SWS	EET SL
Total/NA	Prep	PrecSep_0			754.95 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: AP MW-1D

Lab Sample ID: 870-41696-12

Date Collected: 11/18/25 08:35

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277884	11/25/25 00:43	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		1			278015	11/24/25 11:11	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:21	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277586	11/21/25 13:54	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 19:27	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 16:39	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	33731	11/20/25 17:02	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749153	12/12/25 11:40	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.12 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:08	SWS	EET SL
Total/NA	Prep	PrecSep_0			1002.12 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: AP MW-7S

Lab Sample ID: 870-41696-13

Date Collected: 11/18/25 09:10

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			277884	11/25/25 01:03	RJD	EET HOU
Total/NA	Analysis	9056A		10			277884	11/25/25 01:13	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 18:19	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 18:27	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:24	DP	EET HOU

Client Sample ID: AP MW-7S

Lab Sample ID: 870-41696-13

Date Collected: 11/18/25 09:10

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		5			278384	11/25/25 16:27	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:13	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 15:18	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33731	11/20/25 17:02	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749151	12/12/25 11:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.76 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:08	SWS	EET SL
Total/NA	Prep	PrecSep_0			1006.76 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: AP MW-1

Lab Sample ID: 870-41696-14

Date Collected: 11/18/25 09:55

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 23:34	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278310	11/25/25 23:41	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 18:20	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:36	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:05	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 17:16	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	33731	11/20/25 17:02	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749147	12/12/25 11:43	MLS	EET SL
Total/NA	Prep	PrecSep-21			1007.40 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:08	SWS	EET SL
Total/NA	Prep	PrecSep_0			1007.40 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: AP MW-4S

Lab Sample ID: 870-41696-15

Date Collected: 11/18/25 10:50

Matrix: Water

Date Received: 11/19/25 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 23:19	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278310	11/25/25 23:27	RJD	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41696-1
SDG: 10290148

Client Sample ID: AP MW-4S

Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	277856	11/24/25 09:07	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 18:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:38	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		5			278384	11/25/25 16:42	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277586	11/21/25 13:54	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 19:28	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 14:58	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	33750	11/21/25 10:05	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749148	12/12/25 13:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			755.03 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:08	SWS	EET SL
Total/NA	Prep	PrecSep_0			755.03 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Client Sample ID: AP PZ-1

Date Collected: 11/18/25 11:30
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 22:35	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278310	11/25/25 22:43	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:49	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:55	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:44	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 15:13	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33750	11/21/25 10:05	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749146	12/12/25 13:42	MLS	EET SL
Total/NA	Prep	PrecSep-21			758.11 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749527	12/15/25 21:08	SWS	EET SL
Total/NA	Prep	PrecSep_0			758.11 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41696-1
SDG: 10290148

Client Sample ID: AP MW-5D

Date Collected: 11/18/25 11:35
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41696-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278310	11/25/25 22:21	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278310	11/25/25 22:28	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		1			278015	11/24/25 11:16	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277808	11/24/25 00:10	PB	EET HOU
Total/NA	Analysis	6010D		50			278015	11/24/25 11:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:47	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		5			278384	11/25/25 16:50	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277587	11/21/25 13:57	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 20:02	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 17:06	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33750	11/21/25 10:05	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33752	11/21/25 11:32	OOE	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749153	12/12/25 13:41	MLS	EET SL
Total/NA	Prep	PrecSep-21			751.91 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749529	12/15/25 21:17	SWS	EET SL
Total/NA	Prep	PrecSep_0			751.91 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41696-1
SDG: 10290148

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41696-1
SDG: 10290148

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41696-1
SDG: 10290148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-41696-1	SSP MW-4S	Water	11/17/25 09:45	11/19/25 08:57	Texas
870-41696-2	FD3	Water	11/17/25 10:15	11/19/25 08:57	Texas
870-41696-3	SSP MW-6S	Water	11/17/25 13:15	11/19/25 08:57	Texas
870-41696-4	SSP MW-5S	Water	11/17/25 13:05	11/19/25 08:57	Texas
870-41696-5	FD4	Water	11/17/25 10:20	11/19/25 08:57	Texas
870-41696-6	AP PZ-4S	Water	11/17/25 09:50	11/19/25 08:57	Texas
870-41696-7	EB2	Water	11/17/25 10:30	11/19/25 08:57	Texas
870-41696-8	SSP MW-3D	Water	11/17/25 09:45	11/19/25 08:57	Texas
870-41696-9	SSP MW-2D	Water	11/17/25 14:25	11/19/25 08:57	Texas
870-41696-10	SSP MW-6D	Water	11/17/25 14:40	11/19/25 08:57	Texas
870-41696-11	SSP MW-5D	Water	11/17/25 17:10	11/19/25 08:57	Texas
870-41696-12	AP MW-1D	Water	11/18/25 08:35	11/19/25 08:57	Texas
870-41696-13	AP MW-7S	Water	11/18/25 09:10	11/19/25 08:57	Texas
870-41696-14	AP MW-1	Water	11/18/25 09:55	11/19/25 08:57	Texas
870-41696-15	AP MW-4S	Water	11/18/25 10:50	11/19/25 08:57	Texas
870-41696-16	AP PZ-1	Water	11/18/25 11:30	11/19/25 08:57	Texas
870-41696-17	AP MW-5D	Water	11/18/25 11:35	11/19/25 08:57	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/29/2025

Client Information	Sampler: Emma Foley	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-15038-5065.1
Client Contact: Emma Foley	Phone: 720-242-2831	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: TX	Page:
Company: HDR Inc	PWSID:			Job #: 10290148
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Emma.Foley@hdrinc.com	WO #:			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: D - HNO3; N - None

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A Dissolved Metals	6010D, 7470A Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SSP MW-4S	11/17/25	0945	G	Water	N	N	X	X	X	X	X	X		X	X	6	
FD3	11/17/25	1015	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SSP MW-6S	11/17/25	1315	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SSP MW-5S	11/17/25	1305	G	Water	N	N	X	X	X	X	X	X		X	X	6	
FD4	11/17/25	1020	G	Water	N	N	X	X	X	X	X	X		X	X	6	
AP PZ-4S	11/17/25	0950	G	Water	N	N	X	X	X	X	X	X		X	X		
EB2	11/17/25	1030	G	Water	N	N	X	X	X	X	X	X		X	X		
SSP MW-3D	11/17/25	0945	G	Water	N	N	X	X	X	X	X	X		X	X		
SSP MW-2D	11/17/25	1425	G	Water	N	N	X	X	X	X	X	X		X	X		
SSP MW-6D	11/17/25	1440	G	Water	N	N	X	X	X	X	X	X		X	X		
SSP MW-5D	11/17/25	1710	G	Water	X	N	X	X	X	X	X	X	X	X	X	4	Dissolved Metals Field Filtered

870-41696 Chain of Custody

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: 8859 0755 8970, 8981, 8992, 9006, 9017

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: ~~555~~

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	F Li	11/17/25 1700	HDR	Fed Ex		
2	Fed Ex	11/19/25 8:57			11/19/25 8:57	
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: THm027 CF -0.6 2.2/1.6, 3.8/3.2, 2.8/2.2, 4.2/3.6, 1.6/1.0

Ver: 05/06/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/29/2025

Client Information	Sampler: Emma Foley	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-15038-5065.1
Client Contact: Emma Foley	Phone: 7202422831	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page:
Company: HDR Inc	PWSID:			Job #: 10290148

Address: 17111 Preston Road Suite 200	Due Date Requested:
City: Dallas	TAT Requested (days):
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No
Phone:	PO #: Purchase Order not required
Email: Emma.Foley@hdrinc.com	WO #:
Project Name: ASD Round 5 Background Sampling	Project #: 87002063
Site:	SSOW#:

Analysis Requested

Preservation Codes:
D - HNO3
N - None
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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A Total Metals	6010D, 7470A, 6020B Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS					Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	D	D	N	N	N	D	D	N	N						
AP MW-1D	11-18-25	0835	G	Water	N	N	X	X	X	X	X	X		X	X						6	
AP MW-7S	11-18-25	0910	G	Water	N	N	X	X	X	X	X	X		X	X						6	
AP MW-1	11-18-25	0955	G	Water	N	N	X	X	X	X	X	X		X	X						6	
AP MW-4S	11-18-25	1050	G	Water	N	N	X	X	X	X	X	X		X	X						6	
AP PZ-1	11-18-25	1130	G	Water	N	N	X	X	X	X	X	X		X	X						6	
AP MW-5D	11-18-25	1135	G	Water	N	N	X	X	X	X	X	X		X	X						6	
				Water																		
				Water																		
				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: 8859 0955 8970, 8981, 8992, 9006, 9017

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Emma Foley EF	11-18-25 1400	HDR	FedEx		
FedEx	11/19/25 8:57			11/19/25 8:57	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: THM027 CF -0.6 2.2/1.6, 3.8/3.2, 2.8/2.2, 4.2/3.6, 1.6/1.0

Ver: 05/06/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9508.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-41696-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/26/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			Other: N/A
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SSP MW-4S (870-41696-1)	11/17/25	09:45 Central	G	Water			X	X	X	2	
FD3 (870-41696-2)	11/17/25	10:15 Central	G	Water			X	X	X	2	
SSP MW-6S (870-41696-3)	11/17/25	13:15 Central	G	Water			X	X	X	2	
SSP MW-5S (870-41696-4)	11/17/25	13:05 Central	G	Water			X	X	X	2	
FD4 (870-41696-5)	11/17/25	10:20 Central	G	Water			X	X	X	2	
AP PZ-4S (870-41696-6)	11/17/25	09:50 Central	G	Water			X	X	X	2	
EB2 (870-41696-7)	11/17/25	10:30 Central	G	Water			X	X	X	2	
SSP MW-3D (870-41696-8)	11/17/25	09:45 Central	G	Water			X	X	X	2	
SSP MW-2D (870-41696-9)	11/17/25	14:25 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/19/25-1700			0830 NOV 20 2025	
2	Relinquished by:	Date/Time:	Company	Received by: NOV 19 2025	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9508.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-41696-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/26/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SSP MW-6D (870-41696-10)	11/17/25	14:40 Central	G	Water			X	X	X	2	
SSP MW-5D (870-41696-11)	11/17/25	17:10 Central	G	Water			X	X	X	2	
AP MW-1D (870-41696-12)	11/18/25	08:35 Central	G	Water			X	X	X	2	
AP MW-7S (870-41696-13)	11/18/25	09:10 Central	G	Water			X	X	X	2	
AP MW-1 (870-41696-14)	11/18/25	09:55 Central	G	Water			X	X	X	2	
AP MW-4S (870-41696-15)	11/18/25	10:50 Central	G	Water			X	X	X	2	
AP PZ-1 (870-41696-16)	11/18/25	11:30 Central	G	Water			X	X	X	2	
AP MW-5D (870-41696-17)	11/18/25	11:35 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: FEDEX Method of Shipment:

Relinquished by:	Date/Time: 11/19/25-1700	Company	Received by: NOV 19 2025	Date/Time: 0830 NOV 20 2025	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9510.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-41696-1
Address: 4145 Greenbriar Dr	Due Date Requested: 11/25/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) Li + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SSP MW-4S (870-41696-1)	11/17/25	09:45 Central	G	Water			X	X	X	X	X			2	
FD3 (870-41696-2)	11/17/25	10:15 Central	G	Water			X	X	X	X	X			2	
SSP MW-6S (870-41696-3)	11/17/25	13:15 Central	G	Water			X	X	X	X	X			2	
SSP MW-5S (870-41696-4)	11/17/25	13:05 Central	G	Water			X	X	X	X	X			2	
FD4 (870-41696-5)	11/17/25	10:20 Central	G	Water			X	X	X	X	X			2	
AP PZ-4S (870-41696-6)	11/17/25	09:50 Central	G	Water			X	X	X	X	X			2	
EB2 (870-41696-7)	11/17/25	10:30 Central	G	Water			X	X	X	X	X			2	
SSP MW-3D (870-41696-8)	11/17/25	09:45 Central	G	Water			X	X	X	X	X			2	
SSP MW-2D (870-41696-9)	11/17/25	14:25 Central	G	Water			X	X	X	X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
Unconfirmed

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) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 11/19/25 900	Company	Received by: TPX	Date/Time: NOV 20 2025	Company
Relinquished by:	Date/Time:	Company	Received by: NOV 19 2025	Date/Time: Time: 900	Company

Received

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 1.5

V 10/10/2024

12/29/2025

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41696-1
SDG Number: 10290148

Login Number: 41696
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41696-1
SDG Number: 10290148

Login Number: 41696
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 11/20/25 07:29 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41696-1
SDG Number: 10290148

Login Number: 41696
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 11/20/25 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brad Woodard
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

Generated 12/30/2025 4:05:53 PM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station
Semi Anuual CCR

JOB NUMBER

870-41701-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

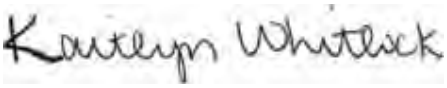
my EOL

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



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12/30/2025 4:05:53 PM

Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41701-1
SDG: Semi Anuual CCR

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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
870-41701-1

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 sample was received on 11/19/2025 8:57 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

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

Metals
Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-278138 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010D - Dissolved: The method blank for preparation batch 860-277436 and 860-278151 and analytical batch 860-278460 contained Lithium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D - Dissolved: The continuing calibration blank (CCB) for analytical batch 860-278460 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: SFL MW-6 (870-41701-1). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM4500_H+: The following sample was received outside of holding time: SFL MW-6 (870-41701-1).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 746339
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SFL MW-6 (870-41701-1) and (870-41696-A-1-A)

Method 901.1_Ra: Gamma Batch 746339
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-746339/1-A).

Job ID: 870-41701-1 (Continued) Eurofins Dallas

Method 901.1_Ra: Gamma Batch 746339
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-6 (870-41701-1), (870-41696-A-1-A) and (870-41696-A-1-B DU)

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

Gas Flow Proportional Counter
Method 904.0: Radium 228 Batch 746323

The Radium-228 laboratory control sample and laboratory control sample duplicate (LCS/LCSD) associated with the following samples recovered at 137 and 127%: (LCS 160-746323/2-A) and (LCSD 160-746323/3-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

Method 904.0: Radium 228 Batch 746323

The detection goal was not met for the following sample due to the presence of matrix interferences: SFL MW-6 (870-41701-1). Analytical results are reported with the detection limit achieved.

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

Client Sample ID: SFL MW-6

Date Collected: 11/13/25 14:15
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41701-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9720**		50.0	25.0	mg/L			11/24/25 19:00	100
Fluoride	<10.0	U	50.0	10.0	mg/L			11/24/25 19:00	100
Sulfate	**2610**		50.0	20.0	mg/L			11/24/25 19:00	100

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.389**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:50	1
Calcium	**1070**		10.0	5.08	mg/L		11/24/25 11:33	11/24/25 20:56	50
Magnesium	**358**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:50	1
Potassium	**114**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:50	1
Sodium	**2430**	**^2**	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:56	50
Lithium	**1.04**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:50	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17.6**		0.200	0.0352	mg/L		11/25/25 09:21	11/25/25 18:28	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		11/25/25 09:21	11/25/25 18:28	1
Arsenic	**0.0512**		0.0100	0.00650	mg/L		11/25/25 09:21	11/25/25 18:28	1
Barium	**0.0399**		0.0100	0.00125	mg/L		11/25/25 09:21	11/25/25 18:28	1
Beryllium	**0.0999**		0.00400	0.00107	mg/L		11/25/25 09:21	11/25/25 18:28	1
Boron	**0.531**		0.0500	0.0162	mg/L		11/25/25 09:21	11/25/25 18:28	1
Cadmium	**0.00645**		0.00500	0.000831	mg/L		11/25/25 09:21	11/25/25 18:28	1
Calcium	**1470**		10.0	5.08	mg/L		11/25/25 09:21	11/25/25 18:31	50
Chromium	**0.0109**		0.0100	0.00216	mg/L		11/25/25 09:21	11/25/25 18:28	1
Cobalt	**0.198**		0.0100	0.00123	mg/L		11/25/25 09:21	11/25/25 18:28	1
Iron	**7.56**		0.200	0.0283	mg/L		11/25/25 09:21	11/25/25 18:28	1
Lead	**0.0272**		0.0100	0.00368	mg/L		11/25/25 09:21	11/25/25 18:28	1
Magnesium	**512**		0.200	0.0445	mg/L		11/25/25 09:21	11/25/25 18:28	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		11/25/25 09:21	11/25/25 18:28	1
Potassium	**150**		0.500	0.106	mg/L		11/25/25 09:21	11/25/25 18:28	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		11/25/25 09:21	11/25/25 18:28	1
Sodium	**3700**	**^2**	25.0	7.59	mg/L		11/25/25 09:21	11/25/25 18:31	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		11/25/25 09:21	11/25/25 18:28	1
Li	**1.38**	**B**	0.0400	0.0174	mg/L		11/25/25 09:21	11/25/25 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11.9**		0.100	0.0275	mg/L		11/24/25 11:30	11/25/25 16:57	5
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 16:53	1
Arsenic	**0.0171**		0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 16:53	1
Barium	**0.0288**		0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 16:53	1
Beryllium	**0.0716**		0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 16:53	1
Cadmium	**0.00422**		0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 16:53	1
Chromium	**0.00331**	**J**	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 16:53	1
Cobalt	**0.119**		0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 16:53	1
Iron	**0.751**		0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 16:53	1
Lead	**0.0126**		0.0100	0.00184	mg/L		11/24/25 11:30	11/25/25 16:57	5
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 16:53	1
Selenium	**0.0836**		0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 16:53	1
Thallium	**0.00504**	**J**	0.0100	0.00208	mg/L		11/24/25 11:30	11/25/25 16:57	5

Client Sample ID: SFL MW-6

Date Collected: 11/13/25 14:15
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41701-1

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000102**	**J**	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 18:32	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000960**	**J**	0.000200	0.0000706	mg/L		11/26/25 17:04	11/26/25 22:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/21/25 14:01	1
Total Dissolved Solids (SM 2540C)	**14700**		50.0	50.0	mg/L			11/20/25 17:02	1
pH (SM 4500 H+ B)	**3.5**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**21.4**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.978	U G	3.78	3.78	50.0	57.3	pCi/L	11/21/25 09:31	12/12/25 13:42	1
Radium-228	16.6	U	29.8	29.9	50.0	48.9	pCi/L	11/21/25 09:31	12/12/25 13:42	1
Combined Radium 226 + 228	15.7	U	30.0	30.1		57.3	pCi/L	11/21/25 09:31	12/12/25 13:42	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**4.73**		0.825	0.928	1.00	0.475	pCi/L	11/21/25 07:38	12/15/25 21:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.4*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**16.9**	**G**	2.57	3.00	1.00	1.76	pCi/L	11/21/25 07:50	12/12/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.4*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*
Y Carrier	*72.5*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:55*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41701-1
SDG: Semi Anuual CCR

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
870-41701-1	SFL MW-6	52.4
LCS 160-746315/2-A	Lab Control Sample	82.1
LCSD 160-746315/3-A	Lab Control Sample Dup	87.1
MB 160-746315/1-A	Method Blank	84.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
870-41701-1	SFL MW-6	52.4	72.5
LCS 160-746323/2-A	Lab Control Sample	82.1	81.5
LCSD 160-746323/3-A	Lab Control Sample Dup	87.1	85.6
MB 160-746323/1-A	Method Blank	84.6	78.1

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-277892/68
Matrix: Water
Analysis Batch: 277892

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			11/24/25 18:23	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/24/25 18:23	1
Sulfate	<0.200	U	0.500	0.200	mg/L			11/24/25 18:23	1

Lab Sample ID: LCS 860-277892/69
Matrix: Water
Analysis Batch: 277892

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.01		mg/L		100	90 - 110
Fluoride	10.0	10.87		mg/L		109	90 - 110
Sulfate	10.0	9.150		mg/L		92	90 - 110

Lab Sample ID: LCSD 860-277892/70
Matrix: Water
Analysis Batch: 277892

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
Chloride	10.0	9.956		mg/L		100	90 - 110	1	20
Fluoride	10.0	10.78		mg/L		108	90 - 110	1	20
Sulfate	10.0	9.191		mg/L		92	90 - 110	0	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-277922/1-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 19:04	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/24/25 11:33	11/24/25 19:04	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 19:04	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/24/25 11:33	11/24/25 19:04	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/24/25 11:33	11/24/25 19:04	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 19:04	1

Lab Sample ID: LCS 860-277922/2-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.70		mg/L		103	80 - 120
Magnesium	25.0	24.70		mg/L		99	80 - 120
Potassium	10.0	9.660		mg/L		97	80 - 120
Sodium	25.0	24.20		mg/L		97	80 - 120
Lithium	1.00	0.9810		mg/L		98	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-277922/3-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277922

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	1.010		mg/L		101	80 - 120	0	20
Calcium			25.0	25.70		mg/L		103	80 - 120	0	20
Magnesium			25.0	24.60		mg/L		98	80 - 120	0	20
Potassium			10.0	9.670		mg/L		97	80 - 120	0	20
Sodium			25.0	24.20		mg/L		97	80 - 120	0	20
Lithium			1.00	0.9700		mg/L		97	80 - 120	1	20

Lab Sample ID: LB 860-277711/1-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 278151

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.176	U	1.00	0.176	mg/L		11/25/25 09:21	11/25/25 17:46	1
Antimony	0.07550	J	0.100	0.0402	mg/L		11/25/25 09:21	11/25/25 17:46	1
Arsenic	<0.0325	U	0.0500	0.0325	mg/L		11/25/25 09:21	11/25/25 17:46	1
Barium	<0.00625	U	0.0500	0.00625	mg/L		11/25/25 09:21	11/25/25 17:46	1
Beryllium	<0.00535	U	0.0200	0.00535	mg/L		11/25/25 09:21	11/25/25 17:46	1
Boron	<0.0809	U	0.250	0.0809	mg/L		11/25/25 09:21	11/25/25 17:46	1
Cadmium	<0.00416	U	0.0250	0.00416	mg/L		11/25/25 09:21	11/25/25 17:46	1
Calcium	<0.508	U	1.00	0.508	mg/L		11/25/25 09:21	11/25/25 17:46	1
Chromium	<0.0108	U	0.0500	0.0108	mg/L		11/25/25 09:21	11/25/25 17:46	1
Cobalt	<0.00615	U	0.0500	0.00615	mg/L		11/25/25 09:21	11/25/25 17:46	1
Iron	<0.141	U	1.00	0.141	mg/L		11/25/25 09:21	11/25/25 17:46	1
Lead	<0.0184	U	0.0500	0.0184	mg/L		11/25/25 09:21	11/25/25 17:46	1
Magnesium	<0.222	U	1.00	0.222	mg/L		11/25/25 09:21	11/25/25 17:46	1
Molybdenum	0.01690	J	0.0500	0.0130	mg/L		11/25/25 09:21	11/25/25 17:46	1
Potassium	<0.530	U	2.50	0.530	mg/L		11/25/25 09:21	11/25/25 17:46	1
Selenium	<0.0464	U	0.150	0.0464	mg/L		11/25/25 09:21	11/25/25 17:46	1
Sodium	<0.759	U	2.50	0.759	mg/L		11/25/25 09:21	11/25/25 17:46	1
Thallium	<0.0551	U	0.100	0.0551	mg/L		11/25/25 09:21	11/25/25 17:46	1
Li	0.09200	J	0.200	0.0868	mg/L		11/25/25 09:21	11/25/25 17:46	1

Lab Sample ID: MB 860-277436/6-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 278151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		11/25/25 09:21	11/25/25 17:40	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		11/25/25 09:21	11/25/25 17:40	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		11/25/25 09:21	11/25/25 17:40	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		11/25/25 09:21	11/25/25 17:40	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		11/25/25 09:21	11/25/25 17:40	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/25/25 09:21	11/25/25 17:40	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		11/25/25 09:21	11/25/25 17:40	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/25/25 09:21	11/25/25 17:40	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		11/25/25 09:21	11/25/25 17:40	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		11/25/25 09:21	11/25/25 17:40	1
Iron	<0.0283	U	0.200	0.0283	mg/L		11/25/25 09:21	11/25/25 17:40	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		11/25/25 09:21	11/25/25 17:40	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-277436/6-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 278151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/25/25 09:21	11/25/25 17:40	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		11/25/25 09:21	11/25/25 17:40	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/25/25 09:21	11/25/25 17:40	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		11/25/25 09:21	11/25/25 17:40	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/25/25 09:21	11/25/25 17:40	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		11/25/25 09:21	11/25/25 17:40	1
Li	0.02330	J	0.0400	0.0174	mg/L		11/25/25 09:21	11/25/25 17:40	1

Lab Sample ID: LCS 860-277436/7-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 278151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.050		mg/L		101	80 - 120
Antimony	1.00	0.8610		mg/L		86	80 - 120
Arsenic	1.00	1.030		mg/L		103	80 - 120
Barium	1.00	1.040		mg/L		104	80 - 120
Beryllium	1.00	1.040		mg/L		104	80 - 120
Boron	1.00	1.010		mg/L		101	80 - 120
Cadmium	1.00	0.9970		mg/L		100	80 - 120
Calcium	25.0	25.00		mg/L		100	80 - 120
Chromium	1.00	1.020		mg/L		102	80 - 120
Cobalt	1.00	1.020		mg/L		102	80 - 120
Iron	5.00	5.100		mg/L		102	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120
Magnesium	25.0	24.20		mg/L		97	80 - 120
Molybdenum	1.00	0.9910		mg/L		99	80 - 120
Potassium	10.0	9.750		mg/L		98	80 - 120
Selenium	1.00	1.050		mg/L		105	80 - 120
Sodium	25.0	24.70		mg/L		99	80 - 120
Thallium	1.00	1.050		mg/L		105	80 - 120
Li	1.00	0.9550		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-277436/8-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 278151

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.050		mg/L		101	80 - 120	0	20
Antimony	1.00	0.9260		mg/L		93	80 - 120	7	20
Arsenic	1.00	1.030		mg/L		103	80 - 120	0	20
Barium	1.00	1.040		mg/L		104	80 - 120	0	20
Beryllium	1.00	1.040		mg/L		104	80 - 120	0	20
Boron	1.00	1.010		mg/L		101	80 - 120	0	20
Cadmium	1.00	0.9970		mg/L		100	80 - 120	0	20
Calcium	25.0	25.00		mg/L		100	80 - 120	0	20
Chromium	1.00	1.020		mg/L		102	80 - 120	0	20
Cobalt	1.00	1.010		mg/L		101	80 - 120	1	20
Iron	5.00	5.100		mg/L		102	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-277436/8-B
Matrix: Water
Analysis Batch: 278460

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 278151

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	1.00	1.010		mg/L		101	80 - 120	0	20
Magnesium	25.0	24.20		mg/L		97	80 - 120	0	20
Molybdenum	1.00	1.010		mg/L		101	80 - 120	2	20
Potassium	10.0	9.770		mg/L		98	80 - 120	0	20
Selenium	1.00	1.080		mg/L		108	80 - 120	3	20
Sodium	25.0	24.70		mg/L		99	80 - 120	0	20
Thallium	1.00	1.050		mg/L		105	80 - 120	0	20
Li	1.00	0.9540		mg/L		95	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-277921/1-A
Matrix: Water
Analysis Batch: 278384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 11:30	11/25/25 15:27	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 11:30	11/25/25 15:27	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/24/25 11:30	11/25/25 15:27	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/24/25 11:30	11/25/25 15:27	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 11:30	11/25/25 15:27	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 11:30	11/25/25 15:27	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 11:30	11/25/25 15:27	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/24/25 11:30	11/25/25 15:27	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/24/25 11:30	11/25/25 15:27	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 11:30	11/25/25 15:27	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 11:30	11/25/25 15:27	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 11:30	11/25/25 15:27	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 11:30	11/25/25 15:27	1

Lab Sample ID: LCS 860-277921/2-A
Matrix: Water
Analysis Batch: 278384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277921

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5228		mg/L		105	80 - 120
Antimony	0.100	0.1068		mg/L		107	80 - 120
Arsenic	0.100	0.1017		mg/L		102	80 - 120
Barium	0.100	0.1045		mg/L		104	80 - 120
Beryllium	0.100	0.09645		mg/L		96	80 - 120
Cadmium	0.100	0.1033		mg/L		103	80 - 120
Chromium	0.100	0.1059		mg/L		106	80 - 120
Cobalt	0.100	0.1054		mg/L		105	80 - 120
Iron	0.500	0.5241		mg/L		105	80 - 120
Lead	0.100	0.1039		mg/L		104	80 - 120
Molybdenum	0.100	0.1032		mg/L		103	80 - 120
Selenium	0.100	0.09218		mg/L		92	80 - 120
Thallium	0.100	0.1067		mg/L		107	80 - 120

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

Lab Sample ID: LCSD 860-277921/3-A
Matrix: Water
Analysis Batch: 278384

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277921

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			0.500	0.5153		mg/L		103	80 - 120	1	20
Antimony			0.100	0.1077		mg/L		108	80 - 120	1	20
Arsenic			0.100	0.1024		mg/L		102	80 - 120	1	20
Barium			0.100	0.1059		mg/L		106	80 - 120	1	20
Beryllium			0.100	0.09893		mg/L		99	80 - 120	3	20
Cadmium			0.100	0.1048		mg/L		105	80 - 120	1	20
Chromium			0.100	0.1059		mg/L		106	80 - 120	0	20
Cobalt			0.100	0.1054		mg/L		105	80 - 120	0	20
Iron			0.500	0.5256		mg/L		105	80 - 120	0	20
Lead			0.100	0.1043		mg/L		104	80 - 120	0	20
Molybdenum			0.100	0.1042		mg/L		104	80 - 120	1	20
Selenium			0.100	0.09193		mg/L		92	80 - 120	0	20
Thallium			0.100	0.1063		mg/L		106	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 860-277186/1-C
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277524

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 17:58	1

Lab Sample ID: MB 860-277524/10-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/21/25 11:25	11/21/25 17:54	1

Lab Sample ID: LCS 860-277524/11-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277524

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury			0.00200	0.001955		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-277524/12-A
Matrix: Water
Analysis Batch: 277708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277524

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001956		mg/L		98	80 - 120	0	20

Lab Sample ID: MB 860-278676/10-A
Matrix: Water
Analysis Batch: 278741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/26/25 17:04	11/26/25 22:09	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 860-278676/11-A
Matrix: Water
Analysis Batch: 278741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278676

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.001785		mg/L		89	80 - 120		

Lab Sample ID: LCSD 860-278676/12-A
Matrix: Water
Analysis Batch: 278741

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278676

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.001786		mg/L		89	80 - 120	0	20

Lab Sample ID: LB 860-278039/1-E
Matrix: Water
Analysis Batch: 278741

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 278676

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/26/25 17:04	11/26/25 22:13	1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-277820/3
Matrix: Water
Analysis Batch: 277820

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/21/25 10:41	1

Lab Sample ID: LCS 860-277820/4
Matrix: Water
Analysis Batch: 277820

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	242.2		mg/L		97	85 - 115		

Lab Sample ID: LCSD 860-277820/5
Matrix: Water
Analysis Batch: 277820

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
Alkalinity			250	243.0		mg/L		97	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-33731/1
Matrix: Water
Analysis Batch: 33731

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			11/20/25 16:04	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 870-33731/2
Matrix: Water
Analysis Batch: 33731

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1015		mg/L		102	80 - 120

Lab Sample ID: LCSD 870-33731/3
Matrix: Water
Analysis Batch: 33731

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
Total Dissolved Solids	1000	960.0		mg/L		96	80 - 120	6	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-746339/1-A
Matrix: Water
Analysis Batch: 749146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746339

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.216	U G	12.9	12.9	50.0	55.6	pCi/L	11/21/25 09:31	12/12/25 01:23	1
Radium-228	11.48	U	34.6	34.6	50.0	47.1	pCi/L	11/21/25 09:31	12/12/25 01:23	1
Combined Radium 226 + 228	13.70	U	36.9	36.9		55.6	pCi/L	11/21/25 09:31	12/12/25 01:23	1

Lab Sample ID: LCS 160-746339/2-A
Matrix: Water
Analysis Batch: 749147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746339

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	142100		14600		427	pCi/L	100	75 - 125
Cesium-137	37500	37160		3640		178	pCi/L	99	75 - 125
Cobalt-60	50000	50400		4920		153	pCi/L	101	75 - 125

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-746315/1-A
Matrix: Water
Analysis Batch: 749247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746315

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01592	U	0.0514	0.0514	1.00	0.103	pCi/L	11/21/25 07:38	12/15/25 21:03	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*11/21/25 07:38*	*12/15/25 21:03*	*1*

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-746315/2-A
Matrix: Water
Analysis Batch: 749247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746315

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.613		0.874	1.00	0.0990	pCi/L	80	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.1*		*30 - 110*

Lab Sample ID: LCSD 160-746315/3-A
Matrix: Water
Analysis Batch: 749247

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 746315

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.57	8.307		0.931	1.00	0.0935	pCi/L	87	75 - 125	0.38	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*87.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-746323/1-A
Matrix: Water
Analysis Batch: 749171

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746323

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4814	U	0.452	0.454	1.00	0.722	pCi/L	11/21/25 07:50	12/12/25 09:51	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:51*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/21/25 07:50*	*12/12/25 09:51*	*1*

Lab Sample ID: LCS 160-746323/2-A
Matrix: Water
Analysis Batch: 749171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746323

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.86	10.75		1.52	1.00	0.744	pCi/L	137	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.1*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-746323/3-A
Matrix: Water
Analysis Batch: 749171

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 746323

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.86	10.01		1.39	1.00	0.682	pCi/L	127	75 - 125	0.26	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*87.1*		*30 - 110*
Y Carrier	*85.6*		*30 - 110*

HPLC/IC

Analysis Batch: 277892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	9056A	
MB 860-277892/68	Method Blank	Total/NA	Water	9056A	
LCS 860-277892/69	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-277892/70	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Leach Batch: 277186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-277186/1-C	Method Blank	Total/NA	Water	1311	

Filtration Batch: 277436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-277436/6-B	Method Blank	Dissolved	Water	Filtration	
LCS 860-277436/7-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-277436/8-B	Lab Control Sample Dup	Dissolved	Water	Filtration	

Prep Batch: 277524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	7470A	
LB 860-277186/1-C	Method Blank	Total/NA	Water	7470A	277186
MB 860-277524/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-277524/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-277524/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 277708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	7470A	277524
LB 860-277186/1-C	Method Blank	Total/NA	Water	7470A	277524
MB 860-277524/10-A	Method Blank	Total/NA	Water	7470A	277524
LCS 860-277524/11-A	Lab Control Sample	Total/NA	Water	7470A	277524
LCSD 860-277524/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	277524

Leach Batch: 277711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-277711/1-B	Method Blank	Dissolved	Water	1311	

Prep Batch: 277921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	3010A	
MB 860-277921/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277921/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277921/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 277922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	3010A	
MB 860-277922/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277922/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277922/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Leach Batch: 278039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-278039/1-E	Method Blank	Dissolved	Water	1311	

Analysis Batch: 278138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	6010D	277922
870-41701-1	SFL MW-6	Total/NA	Water	6010D	277922
MB 860-277922/1-A	Method Blank	Total/NA	Water	6010D	277922
LCS 860-277922/2-A	Lab Control Sample	Total/NA	Water	6010D	277922
LCSD 860-277922/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	277922

Prep Batch: 278151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Dissolved	Water	3010A	
LB 860-277711/1-B	Method Blank	Dissolved	Water	3010A	277711
MB 860-277436/6-B	Method Blank	Dissolved	Water	3010A	277436
LCS 860-277436/7-B	Lab Control Sample	Dissolved	Water	3010A	277436
LCSD 860-277436/8-B	Lab Control Sample Dup	Dissolved	Water	3010A	277436

Analysis Batch: 278384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	6020B	277921
870-41701-1	SFL MW-6	Total/NA	Water	6020B	277921
MB 860-277921/1-A	Method Blank	Total/NA	Water	6020B	277921
LCS 860-277921/2-A	Lab Control Sample	Total/NA	Water	6020B	277921
LCSD 860-277921/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	277921

Analysis Batch: 278460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Dissolved	Water	6010D	278151
870-41701-1	SFL MW-6	Dissolved	Water	6010D	278151
LB 860-277711/1-B	Method Blank	Dissolved	Water	6010D	278151
MB 860-277436/6-B	Method Blank	Dissolved	Water	6010D	278151
LCS 860-277436/7-B	Lab Control Sample	Dissolved	Water	6010D	278151
LCSD 860-277436/8-B	Lab Control Sample Dup	Dissolved	Water	6010D	278151

Prep Batch: 278676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Dissolved	Water	7470A	
LB 860-278039/1-E	Method Blank	Dissolved	Water	7470A	278039
MB 860-278676/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-278676/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-278676/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 278741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Dissolved	Water	7470A	278676
LB 860-278039/1-E	Method Blank	Dissolved	Water	7470A	278676
MB 860-278676/10-A	Method Blank	Total/NA	Water	7470A	278676
LCS 860-278676/11-A	Lab Control Sample	Total/NA	Water	7470A	278676
LCSD 860-278676/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	278676

QC Association Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41701-1
SDG: Semi Anuual CCR

General Chemistry

Analysis Batch: 33731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	SM 2540C	
MB 870-33731/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-33731/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-33731/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 33834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 277820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	SM 2320B	
MB 860-277820/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-277820/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-277820/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 746315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	PrecSep-21	
MB 160-746315/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746315/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-746315/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 746323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	PrecSep_0	
MB 160-746323/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746323/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-746323/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 746339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41701-1	SFL MW-6	Total/NA	Water	Fill_Geo-21	
MB 160-746339/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-746339/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41701-1
SDG: Semi Anuual CCR

Client Sample ID: SFL MW-6

Date Collected: 11/13/25 14:15
Date Received: 11/19/25 08:57

Lab Sample ID: 870-41701-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		100			277892	11/24/25 19:00	RJD	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	278151	11/25/25 09:21	AGR	EET HOU
Dissolved	Analysis	6010D		1			278460	11/25/25 18:28	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	278151	11/25/25 09:21	AGR	EET HOU
Dissolved	Analysis	6010D		50			278460	11/25/25 18:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:50	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:56	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		1			278384	11/25/25 16:53	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277921	11/24/25 11:30	AGR	EET HOU
Total/NA	Analysis	6020B		5			278384	11/25/25 16:57	DP	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	278676	11/26/25 17:04	PB	EET HOU
Dissolved	Analysis	7470A		1			278741	11/26/25 22:28	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	277524	11/21/25 11:25	AGR	EET HOU
Total/NA	Analysis	7470A		1			277708	11/21/25 18:32	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			277820	11/21/25 14:01	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33731	11/20/25 17:02	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746339	11/21/25 09:31	DC	EET SL
Total/NA	Analysis	901.1		1			749151	12/12/25 13:42	MLS	EET SL
Total/NA	Prep	PrecSep-21			506.19 mL	1.0 g	746315	11/21/25 07:38	VLQ	EET SL
Total/NA	Analysis	903.0		1			749529	12/15/25 21:17	SWS	EET SL
Total/NA	Prep	PrecSep_0			506.19 mL	1.0 g	746323	11/21/25 07:50	VLQ	EET SL
Total/NA	Analysis	904.0		1			749173	12/12/25 09:55	SWS	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41701-1
SDG: Semi Anuual CCR

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 2540C		Water	Total Dissolved Solids
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41701-1
SDG: Semi Anuual CCR

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41701-1
SDG: Semi Anuual CCR

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-41701-1	SFL MW-6	Water	11/13/25 14:15	11/19/25 08:57	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/30/2025

Client Information	Sampler: Emma Foley	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: EF 870-~~15038-5065.1~~ 14999-5042.1
Client Contact: Emma Foley	Phone: 720-242-2831	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: TX	Page:
Company: HDR Inc	PWSID:			Job #: 10290148

Address: 17111 Preston Road Suite 200	Due Date Requested:	Preservation Codes: D - HNO3, N - None
City: Dallas	TAT Requested (days):	
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No	
Phone:	PO #: Purchase Order not required	
Email: Emma.Foley@hdrinc.com	WO #:	
Project Name: EF ~~ASD Round 5 Background Sampling~~ Semi Annual CCR	Project #: 87002063	Other:
Site:	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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A total	6010D, 7470A dissolved	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
				Preservation Code:			D	D	N	N	N	D	D	N	N		
SFL MW-6	11/13/25	1415	G	Water	Y	N	X	X	X	X	X	X	X	X	X	7	Dissolved Metals field filtered
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													

870-41701 Chain of Custody

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: 8859 0755 8992

Relinquished by: FU	Date/Time: 11/17/25 1700	Company: HDR	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time: 11/19/25 8:57	Company	Received by:	Date/Time: 11/19/25 8:57	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8/3.2 TH1027 CF -0.6

Ver: 05/06/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9508.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-41701-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/26/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Semi Annual CCR	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fil_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-6 (870-41701-1)	11/13/25	14:15 Central	G	Water			X	X	X	2	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11/19/25-1700		NOV 19 2025	0830 NOV 20 2025	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

12/30/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9510.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-41701-1
Address: 4145 Greenbriar Dr	Due Date Requested: 11/25/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Semi Annual CCR	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SFL MW-6 (870-41701-1)	11/13/25	14.15 Central	G	Water			X	X	X	X	X	X	X	3	Field filtered dissolved metals, Field Filtered Dissolved Hg

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11/19/25 - 700		IPX	Received	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			NOV 19 2025	NOV 20 2025	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				Time: 900	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 1.5

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41701-1
SDG Number: Semi Anuual CCR

Login Number: 41701
List Number: 1
Creator: Virani, Tycho L

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41701-1
SDG Number: Semi Anuual CCR

Login Number: 41701
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 11/20/25 07:29 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41701-1
SDG Number: Semi Anuual CCR

Login Number: 41701
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 11/20/25 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

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Generated 12/31/2025 10:13:27 AM

JOB DESCRIPTION

Gibbons Creek Steam Electric Station
10290148

JOB NUMBER

870-41739-1

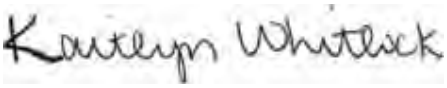
Eurofins Dallas

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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Definitions/Glossary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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
870-41739-1

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 11/20/2025 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.0°C, 0.4°C and 1.2°C.

HPLC/IC
Method 9056A_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-278183 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9056A_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: AP MW-3D (870-41739-2), SFL MW-8D (870-41739-3), MNW-15D (870-41739-4), SFL MW-8S (870-41739-5), FD1 (870-41739-6), SFL MW-1S (Contingency) (870-41739-8) and SFL MW-2D (870-41739-11). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 860-278183 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: FD2 (870-41739-9) and SFL MW-7S (870-41739-10). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-278138 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: AP PZ-4 (870-41739-1), AP MW-3D (870-41739-2), SFL MW-8D (870-41739-3), MNW-15D (870-41739-4), SFL MW-8S (870-41739-5), FD1 (870-41739-6), SFL MW-1S (870-41739-7), SFL MW-1S (Contingency) (870-41739-8), FD2 (870-41739-9), SFL MW-7S (870-41739-10) and SFL MW-2D (870-41739-11).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 746760
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.

Job ID: 870-41739-1 (Continued) Eurofins Dallas

AP PZ-4 (870-41739-1), AP MW-3D (870-41739-2), SFL MW-8D (870-41739-3), MNW-15D (870-41739-4), SFL MW-8S (870-41739-5), SFL MW-1S (870-41739-7), SFL MW-7S (870-41739-10), SFL MW-2D (870-41739-11) and (870-41739-A-1-B DU)

Method 901.1_Ra: Gamma Batch 746760
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

AP PZ-4 (870-41739-1), AP MW-3D (870-41739-2), SFL MW-8D (870-41739-3), MNW-15D (870-41739-4), SFL MW-8S (870-41739-5), FD1 (870-41739-6), SFL MW-1S (870-41739-7), SFL MW-1S (Contingency) (870-41739-8), FD2 (870-41739-9), SFL MW-7S (870-41739-10), SFL MW-2D (870-41739-11) and (870-41739-A-1-B DU)

Method 901.1_Ra: Gamma Batch 746760
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226 and Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-746760/1-A).

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

Gas Flow Proportional Counter
Method 904.0: Radium-228 batch 747099
The LCS recovered at (131%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68%-154%) per method requirements. The LCS passes, no further action is required

(LCS 160-747099/2-A)

Method 904.0: Radium-228 batch 747099
The detection goal was not met for the following sample due to the reduced sample volume used for prep attributed to the presence of matrix interferences: AP MW-3D (870-41739-2). Analytical results are reported with the detection limit achieved.

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

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Client Sample ID: AP PZ-4

Date Collected: 11/18/25 14:10
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2430**		5.00	2.50	mg/L			12/01/25 21:21	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 21:03	1
Sulfate	**112**		0.500	0.200	mg/L			11/25/25 21:03	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.375**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 19:54	1
Calcium	**475**		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 19:54	1
Magnesium	**11.9**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 19:54	1
Potassium	**62.9**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 19:54	1
Sodium	**825**		25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:02	50
Lithium	**0.547**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0417**		0.0200	0.00549	mg/L		11/25/25 11:49	11/25/25 20:57	1
Antimony	**0.00152**	**J**	0.00200	0.000750	mg/L		11/25/25 11:49	11/26/25 14:35	1
Arsenic	**0.000942**	**J**	0.00400	0.000690	mg/L		11/25/25 11:49	11/25/25 20:57	1
Barium	**0.220**		0.00400	0.00134	mg/L		11/25/25 11:49	11/26/25 14:35	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/25/25 11:49	11/25/25 20:57	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/25/25 11:49	11/25/25 20:57	1
Chromium	**0.000986**	**J**	0.00400	0.000560	mg/L		11/25/25 11:49	11/25/25 20:57	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/25/25 11:49	11/25/25 20:57	1
Iron	**0.00722**	**J**	0.0200	0.00445	mg/L		11/25/25 11:49	11/25/25 20:57	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/25/25 11:49	11/25/25 20:57	1
Molybdenum	**0.00114**	**J**	0.00200	0.000255	mg/L		11/25/25 11:49	11/25/25 20:57	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/25/25 11:49	11/25/25 20:57	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/25/25 11:49	11/25/25 20:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**17.3**		4.00	4.00	mg/L			11/24/25 09:49	1
Total Dissolved Solids (SM 2540C)	**4040**		20.0	20.0	mg/L			11/21/25 10:05	1
pH (SM 4500 H+ B)	**8.6**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**19.9**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.85	U G	7.91	7.93	50.0	50.7	pCi/L	11/24/25 11:39	12/15/25 08:55	1
Radium-228	25.7	U	27.6	27.7	50.0	46.1	pCi/L	11/24/25 11:39	12/15/25 08:55	1
Combined Radium 226 + 228	31.5	U	28.7	28.8		50.7	pCi/L	11/24/25 11:39	12/15/25 08:55	1

Client Sample ID: AP PZ-4

Date Collected: 11/18/25 14:10
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.783**		0.288	0.296	1.00	0.317	pCi/L	11/26/25 08:42	12/22/25 22:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.7*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.09**		0.753	0.777	1.00	0.992	pCi/L	11/26/25 08:47	12/21/25 11:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.7*		*30 - 110*	*11/26/25 08:47*	*12/21/25 11:02*	*1*
Y Carrier	*77.0*		*30 - 110*	*11/26/25 08:47*	*12/21/25 11:02*	*1*

Client Sample ID: AP MW-3D

Date Collected: 11/18/25 17:55
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-2

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		0.500	0.250	mg/L			12/01/25 21:28	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 21:23	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**713**		5.00	2.00	mg/L			11/25/25 21:33	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.50**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 19:56	1
Calcium	**192**		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 19:56	1
Magnesium	**25.0**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 19:56	1
Potassium	**20.3**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 19:56	1
Sodium	**260**		0.500	0.152	mg/L		11/24/25 11:33	11/24/25 19:56	1
Lithium	**0.111**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.679**		0.0200	0.00549	mg/L		11/25/25 11:49	11/25/25 21:00	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/25/25 11:49	11/26/25 14:38	1
Arsenic	**0.00667**		0.00400	0.000690	mg/L		11/25/25 11:49	11/25/25 21:00	1
Barium	**0.0321**		0.00400	0.00134	mg/L		11/25/25 11:49	11/26/25 14:38	1
Beryllium	**0.00131**	**J**	0.00200	0.000271	mg/L		11/25/25 11:49	11/25/25 21:00	1
Cadmium	**0.000472**	**J**	0.00200	0.000240	mg/L		11/25/25 11:49	11/25/25 21:00	1
Chromium	**0.00100**	**J**	0.00400	0.000560	mg/L		11/25/25 11:49	11/25/25 21:00	1
Cobalt	**0.0314**		0.00200	0.000355	mg/L		11/25/25 11:49	11/25/25 21:00	1
Iron	**2.30**		0.0200	0.00445	mg/L		11/25/25 11:49	11/25/25 21:00	1
Lead	**0.000833**	**J**	0.00200	0.000367	mg/L		11/25/25 11:49	11/25/25 21:00	1

Client Sample ID: AP MW-3D

Lab Sample ID: 870-41739-2

Date Collected: 11/18/25 17:55
Matrix: Water
Date Received: 11/20/25 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	**0.000866**	**J**	0.00200	0.000255	mg/L		11/25/25 11:49	11/25/25 21:00	1
Selenium	**0.00169**	**J**	0.00200	0.000590	mg/L		11/25/25 11:49	11/25/25 21:00	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/25/25 11:49	11/25/25 21:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**24.0**		4.00	4.00	mg/L			11/24/25 10:24	1
Total Dissolved Solids (SM 2540C)	**1470**		10.0	10.0	mg/L			11/21/25 10:05	1
pH (SM 4500 H+ B)	**5.7**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**20.0**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-4.70	U G	15.5	15.5	50.0	54.5	pCi/L	11/24/25 11:39	12/15/25 08:54	1
Radium-228	0.889	U G	9.08	9.08	50.0	50.6	pCi/L	11/24/25 11:39	12/15/25 08:54	1
Combined Radium 226 + 228	-3.81	U	18.0	18.0		54.5	pCi/L	11/24/25 11:39	12/15/25 08:54	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.453**		0.246	0.250	1.00	0.300	pCi/L	11/26/25 08:42	12/22/25 22:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.8*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.70**	**G**	0.843	0.858	1.00	1.19	pCi/L	11/26/25 08:47	12/21/25 12:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.8*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*

Client Sample ID: SFL MW-8D

Lab Sample ID: 870-41739-3

Date Collected: 11/19/25 11:00
Matrix: Water
Date Received: 11/20/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**422**		0.500	0.250	mg/L			12/01/25 21:58	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 21:43	1

Client Sample ID: SFL MW-8D

Date Collected: 11/19/25 11:00
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-3

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**502**		5.00	2.00	mg/L			11/25/25 21:53	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.596**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 19:57	1
Calcium	**157**		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 19:57	1
Magnesium	**28.4**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 19:57	1
Potassium	**25.4**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 19:57	1
Sodium	**342**		0.500	0.152	mg/L		11/24/25 11:33	11/24/25 19:57	1
Lithium	**0.187**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0156**	**J**	0.0200	0.00549	mg/L		11/25/25 11:49	11/25/25 21:03	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/25/25 11:49	11/26/25 14:41	1
Arsenic	**0.00207**	**J**	0.00400	0.000690	mg/L		11/25/25 11:49	11/25/25 21:03	1
Barium	**0.0384**		0.00400	0.00134	mg/L		11/25/25 11:49	11/26/25 14:41	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/25/25 11:49	11/25/25 21:03	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/25/25 11:49	11/25/25 21:03	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/25/25 11:49	11/25/25 21:03	1
Cobalt	**0.00147**	**J**	0.00200	0.000355	mg/L		11/25/25 11:49	11/25/25 21:03	1
Iron	**1.03**		0.0200	0.00445	mg/L		11/25/25 11:49	11/25/25 21:03	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/25/25 11:49	11/25/25 21:03	1
Molybdenum	**0.00128**	**J**	0.00200	0.000255	mg/L		11/25/25 11:49	11/25/25 21:03	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/25/25 11:49	11/25/25 21:03	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/25/25 11:49	11/25/25 21:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**142**		4.00	4.00	mg/L			11/24/25 17:03	1
Total Dissolved Solids (SM 2540C)	**1540**		10.0	10.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**6.8**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**20.1**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**34.9**		20.9	21.2	50.0	27.2	pCi/L	11/24/25 11:39	12/15/25 08:54	1
Radium-228	11.9	U G	35.9	35.9	50.0	55.4	pCi/L	11/24/25 11:39	12/15/25 08:54	1
Combined Radium 226 + 228	46.8	U	41.5	41.7		55.4	pCi/L	11/24/25 11:39	12/15/25 08:54	1

Client Sample ID: SFL MW-8D

Date Collected: 11/19/25 11:00
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.298**		0.173	0.175	1.00	0.225	pCi/L	11/26/25 08:42	12/22/25 22:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.956**		0.488	0.496	1.00	0.670	pCi/L	11/26/25 08:47	12/21/25 12:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*
Y Carrier	*83.0*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*

Client Sample ID: MNW-15D

Date Collected: 11/19/25 12:30
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-4

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**929**		5.00	2.50	mg/L			12/01/25 22:35	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 22:23	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**973**		5.00	2.00	mg/L			11/25/25 22:33	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.362**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:10	1
Calcium	**304**		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 20:10	1
Magnesium	**47.4**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:10	1
Potassium	**40.2**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:10	1
Sodium	**660**	**^2**	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:18	50
Lithium	**0.286**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 09:04	11/25/25 00:21	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 09:04	11/25/25 00:21	1
Arsenic	**0.000933**	**J**	0.00400	0.000690	mg/L		11/24/25 09:04	11/25/25 00:21	1
Barium	**0.0381**		0.00400	0.00134	mg/L		11/24/25 09:04	11/25/25 00:21	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 09:04	11/25/25 00:21	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 09:04	11/25/25 00:21	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 09:04	11/25/25 00:21	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/24/25 09:04	11/25/25 00:21	1
Iron	**1.90**		0.0200	0.00445	mg/L		11/24/25 09:04	11/25/25 16:56	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 09:04	11/25/25 00:21	1

Client Sample ID: MNW-15D

Lab Sample ID: 870-41739-4
Date Collected: 11/19/25 12:30
Matrix: Water
Date Received: 11/20/25 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	**0.000309**	**J**	0.00200	0.000255	mg/L		11/24/25 09:04	11/25/25 00:21	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 09:04	11/25/25 00:21	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 09:04	11/25/25 00:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**106**		4.00	4.00	mg/L			11/24/25 17:09	1
Total Dissolved Solids (SM 2540C)	**2800**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**6.6**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**19.4**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**39.5**		20.4	20.8	50.0	24.3	pCi/L	11/24/25 11:39	12/15/25 10:28	1
Radium-228	10.5	U G	35.5	35.5	50.0	50.6	pCi/L	11/24/25 11:39	12/15/25 10:28	1
Combined Radium 226 + 228	50.0	U	40.9	41.1		50.6	pCi/L	11/24/25 11:39	12/15/25 10:28	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.356**		0.175	0.178	1.00	0.194	pCi/L	11/26/25 08:42	12/22/25 22:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.5*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.570	U	0.590	0.592	1.00	0.959	pCi/L	11/26/25 08:47	12/21/25 12:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.5*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*

Client Sample ID: SFL MW-8S

Lab Sample ID: 870-41739-5
Date Collected: 11/19/25 09:00
Matrix: Water
Date Received: 11/20/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1320**		5.00	2.50	mg/L			12/01/25 22:20	10
Fluoride	**0.760**		0.500	0.100	mg/L			11/25/25 22:03	1

Client Sample ID: SFL MW-8S

Date Collected: 11/19/25 09:00
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-5

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1190**		5.00	2.00	mg/L			11/25/25 22:13	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**18.8**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:11	1
Calcium	**499**		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 20:11	1
Magnesium	**115**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:11	1
Potassium	**30.2**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:11	1
Sodium	**695**	**^2**	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:19	50
Lithium	**0.367**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9.11**		0.0200	0.00549	mg/L		11/25/25 11:49	11/25/25 21:06	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/25/25 11:49	11/26/25 14:44	1
Arsenic	**0.0100**		0.00400	0.000690	mg/L		11/25/25 11:49	11/25/25 21:06	1
Barium	**0.0227**		0.00400	0.00134	mg/L		11/25/25 11:49	11/26/25 14:44	1
Beryllium	**0.0387**		0.00200	0.000271	mg/L		11/25/25 11:49	11/25/25 21:06	1
Cadmium	**0.00545**		0.00200	0.000240	mg/L		11/25/25 11:49	11/25/25 21:06	1
Chromium	**0.000819**	**J**	0.00400	0.000560	mg/L		11/25/25 11:49	11/25/25 21:06	1
Cobalt	**0.109**		0.00200	0.000355	mg/L		11/25/25 11:49	11/25/25 21:06	1
Iron	**29.2**		0.0200	0.00445	mg/L		11/25/25 11:49	11/25/25 21:06	1
Lead	**0.0233**		0.00200	0.000367	mg/L		11/25/25 11:49	11/25/25 21:06	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/25/25 11:49	11/25/25 21:06	1
Selenium	**0.0376**		0.00200	0.000590	mg/L		11/25/25 11:49	11/25/25 21:06	1
Thallium	**0.00322**		0.00200	0.000415	mg/L		11/25/25 11:49	11/25/25 21:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/24/25 17:15	1
Total Dissolved Solids (SM 2540C)	**4240**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**4.0**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**19.7**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**31.4**		26.3	26.4	50.0	26.3	pCi/L	11/24/25 11:39	12/15/25 10:32	1
Radium-228	-13.3	U G	25.9	25.9	50.0	55.5	pCi/L	11/24/25 11:39	12/15/25 10:32	1
Combined Radium 226 + 228	18.1	U	36.9	37.0		55.5	pCi/L	11/24/25 11:39	12/15/25 10:32	1

Client Sample ID: SFL MW-8S

Lab Sample ID: 870-41739-5
Matrix: Water
Date Collected: 11/19/25 09:00
Date Received: 11/20/25 11:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.847		0.268	0.278	1.00	0.246	pCi/L	11/26/25 08:42	12/22/25 22:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.52		0.804	0.866	1.00	0.801	pCi/L	11/26/25 08:47	12/21/25 12:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*

Client Sample ID: FD1

Lab Sample ID: 870-41739-6
Matrix: Water
Date Collected: 11/19/25 09:30
Date Received: 11/20/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		5.00	2.50	mg/L			12/01/25 22:49	10
Fluoride	1.02		0.500	0.100	mg/L			11/25/25 23:23	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1440		5.00	2.00	mg/L			11/25/25 23:33	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	19.1		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:13	1
Calcium	515		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 20:13	1
Magnesium	116		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:13	1
Potassium	30.8		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:13	1
Sodium	695	^2	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:21	50
Lithium	0.386		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10.2		0.0200	0.00549	mg/L		11/24/25 09:04	11/25/25 00:24	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 09:04	11/25/25 00:24	1
Arsenic	0.0101		0.00400	0.000690	mg/L		11/24/25 09:04	11/25/25 00:24	1
Barium	0.0196		0.00400	0.00134	mg/L		11/24/25 09:04	11/25/25 00:24	1
Beryllium	0.0462		0.00200	0.000271	mg/L		11/24/25 09:04	11/25/25 00:24	1
Cadmium	0.00740		0.00200	0.000240	mg/L		11/24/25 09:04	11/25/25 00:24	1
Chromium	0.000762	J	0.00400	0.000560	mg/L		11/24/25 09:04	11/25/25 00:24	1
Cobalt	0.112		0.00200	0.000355	mg/L		11/24/25 09:04	11/25/25 00:24	1
Iron	40.8		2.00	0.445	mg/L		11/24/25 09:04	11/25/25 16:59	100
Lead	0.0270		0.00200	0.000367	mg/L		11/24/25 09:04	11/25/25 00:24	1

Client Sample ID: FD1

Lab Sample ID: 870-41739-6

Date Collected: 11/19/25 09:30

Matrix: Water

Date Received: 11/20/25 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 09:04	11/25/25 00:24	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 09:04	11/25/25 00:24	1
Thallium	**0.00347**		0.00200	0.000415	mg/L		11/24/25 09:04	11/25/25 00:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/24/25 16:17	1
Total Dissolved Solids (SM 2540C)	**4210**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**3.8**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**19.0**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**29.1**		23.3	23.5	50.0	27.9	pCi/L	11/24/25 11:39	12/15/25 10:30	1
Radium-228	30.5	U	30.9	31.0	50.0	46.1	pCi/L	11/24/25 11:39	12/15/25 10:30	1
Combined Radium 226 + 228	**59.7**		38.7	38.9		46.1	pCi/L	11/24/25 11:39	12/15/25 10:30	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.835**		0.261	0.272	1.00	0.234	pCi/L	11/26/25 08:42	12/22/25 22:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.8*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.43**		0.796	0.856	1.00	0.816	pCi/L	11/26/25 08:47	12/21/25 12:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.8*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:31*	*1*

Client Sample ID: SFL MW-1S

Lab Sample ID: 870-41739-7

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2770**		5.00	2.50	mg/L			12/01/25 23:04	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 23:43	1

Client Sample ID: SFL MW-1S

Date Collected: 11/19/25 12:25
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-7

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1450**		5.00	2.00	mg/L			11/25/25 23:53	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.351**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:14	1
Calcium	**586**		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 20:14	1
Magnesium	**93.5**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:14	1
Potassium	**43.2**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:14	1
Sodium	**1170**	**^2**	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:22	50
Lithium	**0.321**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 09:04	11/25/25 00:31	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 09:04	11/25/25 00:31	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/24/25 09:04	11/25/25 00:31	1
Barium	**0.0447**		0.00400	0.00134	mg/L		11/24/25 09:04	11/25/25 00:31	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 09:04	11/25/25 00:31	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 09:04	11/25/25 00:31	1
Chromium	**0.00620**		0.00400	0.000560	mg/L		11/24/25 09:04	11/25/25 00:31	1
Cobalt	**0.00292**		0.00200	0.000355	mg/L		11/24/25 09:04	11/25/25 00:31	1
Iron	**0.631**		0.0200	0.00445	mg/L		11/24/25 09:04	11/25/25 17:11	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 09:04	11/25/25 00:31	1
Molybdenum	**0.00258**		0.00200	0.000255	mg/L		11/24/25 09:04	11/25/25 00:31	1
Selenium	**0.00115**	**J**	0.00200	0.000590	mg/L		11/24/25 09:04	11/25/25 00:31	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 09:04	11/25/25 00:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**156**		4.00	4.00	mg/L			11/24/25 09:43	1
Total Dissolved Solids (SM 2540C)	**6120**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**6.5**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**18.6**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	6.36	U G	18.1	18.1	50.0	63.4	pCi/L	11/24/25 11:39	12/15/25 10:27	1
Radium-228	4.45	U G	18.9	18.9	50.0	52.1	pCi/L	11/24/25 11:39	12/15/25 10:27	1
Combined Radium 226 + 228	10.8	U	26.2	26.2		63.4	pCi/L	11/24/25 11:39	12/15/25 10:27	1

Client Sample ID: SFL MW-1S

Lab Sample ID: 870-41739-7
Matrix: Water
Date Collected: 11/19/25 12:25
Date Received: 11/20/25 11:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.36		0.313	0.337	1.00	0.205	pCi/L	11/26/25 08:42	12/22/25 22:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.2*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.70		0.966	1.10	1.00	0.783	pCi/L	11/26/25 08:47	12/21/25 12:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.2*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:33*	*1*
Y Carrier	*79.3*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:33*	*1*

Client Sample ID: SFL MW-1S (Contingency)

Lab Sample ID: 870-41739-8
Matrix: Water
Date Collected: 11/19/25 08:55
Date Received: 11/20/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		5.00	2.50	mg/L			12/01/25 23:33	10
Fluoride	0.862		0.500	0.100	mg/L			11/26/25 00:03	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2120		5.00	2.00	mg/L			11/26/25 00:13	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.233		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:16	1
Calcium	900		10.0	5.08	mg/L		11/24/25 11:33	11/24/25 20:24	50
Magnesium	174		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:16	1
Potassium	17.7		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:16	1
Sodium	805	^2	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:24	50
Lithium	0.293		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4.71		0.0200	0.00549	mg/L		11/24/25 09:04	11/25/25 00:34	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 09:04	11/25/25 00:34	1
Arsenic	0.00971		0.00400	0.000690	mg/L		11/24/25 09:04	11/25/25 00:34	1
Barium	0.0227		0.00400	0.00134	mg/L		11/24/25 09:04	11/25/25 00:34	1
Beryllium	0.0506		0.00200	0.000271	mg/L		11/24/25 09:04	11/25/25 00:34	1
Cadmium	0.0426		0.00200	0.000240	mg/L		11/24/25 09:04	11/25/25 00:34	1
Chromium	0.000919	J	0.00400	0.000560	mg/L		11/24/25 09:04	11/25/25 00:34	1
Cobalt	0.235		0.00200	0.000355	mg/L		11/24/25 09:04	11/25/25 00:34	1
Iron	3.70		0.0200	0.00445	mg/L		11/24/25 09:04	11/25/25 17:14	1
Lead	0.00431		0.00200	0.000367	mg/L		11/24/25 09:04	11/25/25 00:34	1

Client Sample ID: SFL MW-1S (Contingency)

Lab Sample ID: 870-41739-8
Date Collected: 11/19/25 08:55
Matrix: Water
Date Received: 11/20/25 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 09:04	11/25/25 00:34	1
Selenium	**0.00210**		0.00200	0.000590	mg/L		11/24/25 09:04	11/25/25 00:34	1
Thallium	**0.00500**		0.00200	0.000415	mg/L		11/24/25 09:04	11/25/25 00:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/24/25 16:22	1
Total Dissolved Solids (SM 2540C)	**6260**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**4.7**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**18.8**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	29.5	U	24.6	24.8	50.0	35.3	pCi/L	11/24/25 11:39	12/15/25 12:25	1
Radium-228	24.4	U	29.7	29.8	50.0	42.3	pCi/L	11/24/25 11:39	12/15/25 12:25	1
Combined Radium 226 + 228	**53.9**		38.6	38.8		42.3	pCi/L	11/24/25 11:39	12/15/25 12:25	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.556**		0.206	0.212	1.00	0.192	pCi/L	11/26/25 08:42	12/22/25 22:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.44**		0.589	0.604	1.00	0.772	pCi/L	11/26/25 08:47	12/21/25 12:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:33*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:33*	*1*

Client Sample ID: FD2

Lab Sample ID: 870-41739-9
Date Collected: 11/19/25 10:55
Matrix: Water
Date Received: 11/20/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4050**		5.00	2.50	mg/L			12/01/25 22:55	10
Fluoride	<1.00	U	5.00	1.00	mg/L			11/26/25 02:23	10
Sulfate	**1480**		5.00	2.00	mg/L			11/26/25 02:23	10

Client Sample ID: FD2

Date Collected: 11/19/25 10:55
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-9

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.834**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:28	1
Calcium	**1020**		10.0	5.08	mg/L		11/24/25 11:33	11/24/25 20:36	50
Magnesium	**214**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:28	1
Potassium	**41.3**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:28	1
Sodium	**1750**	**^2**	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:36	50
Lithium	**0.626**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.00938**	**J**	0.0200	0.00549	mg/L		11/25/25 11:51	11/27/25 02:15	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/25/25 11:51	11/27/25 02:15	1
Arsenic	**0.00186**	**J**	0.00400	0.000690	mg/L		11/25/25 11:51	11/27/25 02:15	1
Barium	**0.0316**		0.00400	0.00134	mg/L		11/25/25 11:51	11/27/25 02:15	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/25/25 11:51	11/27/25 02:15	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/25/25 11:51	11/27/25 02:15	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/25/25 11:51	11/27/25 02:15	1
Cobalt	**0.00134**	**J**	0.00200	0.000355	mg/L		11/25/25 11:51	11/27/25 02:15	1
Iron	**0.741**		0.0200	0.00445	mg/L		11/25/25 11:51	11/27/25 02:15	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/25/25 11:51	11/27/25 02:15	1
Molybdenum	**0.000450**	**J**	0.00200	0.000255	mg/L		11/25/25 11:51	11/27/25 02:15	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/25/25 11:51	11/27/25 02:15	1
Thallium	**0.000631**	**J**	0.00200	0.000415	mg/L		11/25/25 11:51	11/27/25 02:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**112**		4.00	4.00	mg/L			11/24/25 10:30	1
Total Dissolved Solids (SM 2540C)	**9300**		50.0	50.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**5.9**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**18.8**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**37.4**		20.9	21.2	50.0	26.5	pCi/L	11/24/25 11:39	12/15/25 12:26	1
Radium-228	9.64	U	25.9	25.9	50.0	43.3	pCi/L	11/24/25 11:39	12/15/25 12:26	1
Combined Radium 226 + 228	**47.0**		33.3	33.5		43.3	pCi/L	11/24/25 11:39	12/15/25 12:26	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.52**		0.343	0.370	1.00	0.245	pCi/L	11/26/25 08:42	12/22/25 22:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.2*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:53*	*1*

Client Sample ID: FD2

Lab Sample ID: 870-41739-9
Date Collected: 11/19/25 10:55
Matrix: Water
Date Received: 11/20/25 11:00

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**7.07**		1.10	1.27	1.00	0.921	pCi/L	11/26/25 08:47	12/21/25 12:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.2*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:34*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:34*	*1*

Client Sample ID: SFL MW-7S

Lab Sample ID: 870-41739-10
Date Collected: 11/19/25 10:25
Matrix: Water
Date Received: 11/20/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4160**		5.00	2.50	mg/L			12/01/25 22:35	10
Fluoride	<1.00	U	5.00	1.00	mg/L			11/26/25 02:03	10
Sulfate	**1540**		5.00	2.00	mg/L			11/26/25 02:03	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.761**		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:30	1
Calcium	**1080**		10.0	5.08	mg/L		11/24/25 11:33	11/24/25 20:38	50
Magnesium	**225**		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:30	1
Potassium	**40.4**		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:30	1
Sodium	**1840**	**^2**	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:38	50
Lithium	**0.624**		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0262**		0.0200	0.00549	mg/L		11/25/25 11:51	11/27/25 02:18	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/25/25 11:51	11/27/25 02:18	1
Arsenic	**0.00245**	**J**	0.00400	0.000690	mg/L		11/25/25 11:51	11/27/25 02:18	1
Barium	**0.0322**		0.00400	0.00134	mg/L		11/25/25 11:51	11/27/25 02:18	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/25/25 11:51	11/27/25 02:18	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/25/25 11:51	11/27/25 02:18	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/25/25 11:51	11/27/25 02:18	1
Cobalt	**0.00155**	**J**	0.00200	0.000355	mg/L		11/25/25 11:51	11/27/25 02:18	1
Iron	**0.735**		0.0200	0.00445	mg/L		11/25/25 11:51	11/27/25 02:18	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/25/25 11:51	11/27/25 02:18	1
Molybdenum	**0.000392**	**J**	0.00200	0.000255	mg/L		11/25/25 11:51	11/27/25 02:18	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/25/25 11:51	11/27/25 02:18	1
Thallium	**0.000754**	**J**	0.00200	0.000415	mg/L		11/25/25 11:51	11/27/25 02:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**109**		4.00	4.00	mg/L			11/24/25 16:57	1
Total Dissolved Solids (SM 2540C)	**9340**		50.0	50.0	mg/L			11/24/25 16:29	1

Client Sample ID: SFL MW-7S

Lab Sample ID: 870-41739-10
Date Collected: 11/19/25 10:25
Matrix: Water
Date Received: 11/20/25 11:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	5.9	HF			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	18.6	HF			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	54.3		24.0	24.5	50.0	29.0	pCi/L	11/24/25 11:39	12/15/25 12:28	1
Radium-228	7.34	U G	14.3	14.4	50.0	50.9	pCi/L	11/24/25 11:39	12/15/25 12:28	1
Combined Radium 226 + 228	61.7		27.9	28.4		50.9	pCi/L	11/24/25 11:39	12/15/25 12:28	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.94		0.379	0.417	1.00	0.206	pCi/L	11/26/25 08:42	12/22/25 22:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.71		1.16	1.36	1.00	0.877	pCi/L	11/26/25 08:47	12/21/25 12:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:34*	*1*
Y Carrier	*74.0*		*30 - 110*	*11/26/25 08:47*	*12/21/25 12:34*	*1*

Client Sample ID: SFL MW-2D

Lab Sample ID: 870-41739-11
Date Collected: 11/19/25 12:55
Matrix: Water
Date Received: 11/20/25 11:00

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		5.00	2.50	mg/L			12/02/25 00:05	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/26/25 00:23	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1670		5.00	2.00	mg/L			11/26/25 00:33	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.93		0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 20:32	1
Calcium	410		0.200	0.102	mg/L		11/24/25 11:33	11/24/25 20:32	1
Magnesium	53.9		0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 20:32	1
Potassium	49.3		0.500	0.106	mg/L		11/24/25 11:33	11/24/25 20:32	1
Sodium	1010	^2	25.0	7.59	mg/L		11/24/25 11:33	11/24/25 20:39	50
Lithium	0.456		0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 20:32	1

Client Sample ID: SFL MW-2D

Date Collected: 11/19/25 12:55
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0728**		0.0200	0.00549	mg/L		11/25/25 11:51	12/01/25 15:47	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/25/25 11:51	11/27/25 02:21	1
Arsenic	**0.00559**		0.00400	0.000690	mg/L		11/25/25 11:51	11/27/25 02:21	1
Barium	**0.0221**		0.00400	0.00134	mg/L		11/25/25 11:51	11/27/25 02:21	1
Beryllium	**0.000293**	**J**	0.00200	0.000271	mg/L		11/25/25 11:51	11/27/25 02:21	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/25/25 11:51	11/27/25 02:21	1
Chromium	**0.000624**	**J**	0.00400	0.000560	mg/L		11/25/25 11:51	11/27/25 02:21	1
Cobalt	**0.00426**		0.00200	0.000355	mg/L		11/25/25 11:51	11/27/25 02:21	1
Iron	**0.303**		0.0200	0.00445	mg/L		11/25/25 11:51	11/27/25 02:21	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/25/25 11:51	11/27/25 02:21	1
Molybdenum	**0.000905**	**J**	0.00200	0.000255	mg/L		11/25/25 11:51	11/27/25 02:21	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/25/25 11:51	11/27/25 02:21	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/25/25 11:51	11/27/25 02:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**68.0**		4.00	4.00	mg/L			11/24/25 16:41	1
Total Dissolved Solids (SM 2540C)	**4240**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**6.2**	**HF**			SU			11/25/25 12:45	1
Temperature (SM 4500 H+ B)	**19.0**	**HF**			Celsius			11/25/25 12:45	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**40.0**		23.6	23.9	50.0	30.7	pCi/L	11/24/25 11:39	12/15/25 12:29	1
Radium-228	5.96	U G	18.3	18.3	50.0	51.5	pCi/L	11/24/25 11:39	12/15/25 12:29	1
Combined Radium 226 + 228	45.9	U	29.9	30.1		51.5	pCi/L	11/24/25 11:39	12/15/25 12:29	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.570**		0.200	0.206	1.00	0.196	pCi/L	12/01/25 08:55	12/23/25 08:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*12/01/25 08:55*	*12/23/25 08:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.67**		0.588	0.607	1.00	0.728	pCi/L	12/01/25 08:57	12/21/25 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:23*	*1*

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Client Sample ID: SFL MW-2D
Date Collected: 11/19/25 12:55
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-11
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	86.0		30 - 110	12/01/25 08:57	12/21/25 13:23	1

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
870-41739-1	AP PZ-4	66.7
870-41739-2	AP MW-3D	72.8
870-41739-3	SFL MW-8D	81.0
870-41739-4	MNW-15D	76.5
870-41739-5	SFL MW-8S	73.4
870-41739-6	FD1	74.8
870-41739-7	SFL MW-1S	76.2
870-41739-8	SFL MW-1S (Contingency)	81.2
870-41739-9	FD2	74.2
870-41739-10	SFL MW-7S	73.4
870-41739-11	SFL MW-2D	86.3
LCS 160-747098/2-A	Lab Control Sample	81.8
LCS 160-747223/2-A	Lab Control Sample	80.4
MB 160-747098/1-A	Method Blank	83.2
MB 160-747223/1-A	Method Blank	80.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
870-41739-1	AP PZ-4	66.7	77.0
870-41739-2	AP MW-3D	72.8	82.6
870-41739-3	SFL MW-8D	81.0	83.0
870-41739-4	MNW-15D	76.5	82.2
870-41739-5	SFL MW-8S	73.4	82.6
870-41739-6	FD1	74.8	82.6
870-41739-7	SFL MW-1S	76.2	79.3
870-41739-8	SFL MW-1S (Contingency)	81.2	80.7
870-41739-9	FD2	74.2	80.4
870-41739-10	SFL MW-7S	73.4	74.0
870-41739-11	SFL MW-2D	86.3	86.0
LCS 160-747099/2-A	Lab Control Sample	81.8	80.7
LCS 160-747224/2-A	Lab Control Sample	80.4	83.4
MB 160-747099/1-A	Method Blank	83.2	80.4
MB 160-747224/1-A	Method Blank	80.7	80.7

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-278183/45
Matrix: Water
Analysis Batch: 278183

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			11/25/25 19:13	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/25/25 19:13	1
Sulfate	<0.200	U	0.500	0.200	mg/L			11/25/25 19:13	1

Lab Sample ID: LCS 860-278183/46
Matrix: Water
Analysis Batch: 278183

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.718		mg/L		97	90 - 110
Sulfate	10.0	9.388		mg/L		94	90 - 110

Lab Sample ID: LCSD 860-278183/47
Matrix: Water
Analysis Batch: 278183

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
Fluoride	10.0	9.728		mg/L		97	90 - 110	0	20
Sulfate	10.0	9.424		mg/L		94	90 - 110	0	20

Lab Sample ID: LLCS 860-278183/49
Matrix: Water
Analysis Batch: 278183

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.4805	J	mg/L		96	50 - 150
Fluoride	0.500	0.4745	J	mg/L		95	50 - 150
Sulfate	0.500	0.5011		mg/L		100	50 - 150

Lab Sample ID: 870-41739-4 MS
Matrix: Water
Analysis Batch: 278183

Client Sample ID: MNW-15D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	<0.100	U	10.0	9.819		mg/L		98	90 - 110

Lab Sample ID: 870-41739-4 MSD
Matrix: Water
Analysis Batch: 278183

Client Sample ID: MNW-15D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	<0.100	U	10.0	10.05		mg/L		101	90 - 110	2	15

Lab Sample ID: MB 860-278922/44
Matrix: Water
Analysis Batch: 278922

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			12/01/25 16:12	1
Fluoride	<0.100	U	0.500	0.100	mg/L			12/01/25 16:12	1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-278922/44
Matrix: Water
Analysis Batch: 278922

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.200	U	0.500	0.200	mg/L			12/01/25 16:12	1

Lab Sample ID: LCS 860-278922/45
Matrix: Water
Analysis Batch: 278922

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.993		mg/L		100	90 - 110
Fluoride	10.0	10.34		mg/L		103	90 - 110
Sulfate	10.0	9.055		mg/L		91	90 - 110

Lab Sample ID: LCSD 860-278922/46
Matrix: Water
Analysis Batch: 278922

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
Chloride	10.0	9.976		mg/L		100	90 - 110	0	20
Fluoride	10.0	10.29		mg/L		103	90 - 110	1	20
Sulfate	10.0	9.056		mg/L		91	90 - 110	0	20

Lab Sample ID: MB 860-278949/20
Matrix: Water
Analysis Batch: 278949

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			12/01/25 15:44	1
Fluoride	<0.100	U	0.500	0.100	mg/L			12/01/25 15:44	1
Sulfate	<0.200	U	0.500	0.200	mg/L			12/01/25 15:44	1

Lab Sample ID: LCS 860-278949/21
Matrix: Water
Analysis Batch: 278949

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.104		mg/L		91	90 - 110
Fluoride	10.0	10.85		mg/L		108	90 - 110
Sulfate	10.0	9.579		mg/L		96	90 - 110

Lab Sample ID: LCSD 860-278949/22
Matrix: Water
Analysis Batch: 278949

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
Chloride	10.0	9.126		mg/L		91	90 - 110	0	20
Fluoride	10.0	10.83		mg/L		108	90 - 110	0	20
Sulfate	10.0	9.426		mg/L		94	90 - 110	2	20

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-278949/24
Matrix: Water
Analysis Batch: 278949

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.4966	J	mg/L		99	50 - 150
Fluoride	0.500	0.3343	J	mg/L		67	50 - 150
Sulfate	0.500	0.3432	J	mg/L		69	50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-277922/1-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		11/24/25 11:33	11/24/25 19:04	1
Calcium	<0.102	U	0.200	0.102	mg/L		11/24/25 11:33	11/24/25 19:04	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		11/24/25 11:33	11/24/25 19:04	1
Potassium	<0.106	U	0.500	0.106	mg/L		11/24/25 11:33	11/24/25 19:04	1
Sodium	<0.152	U	0.500	0.152	mg/L		11/24/25 11:33	11/24/25 19:04	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		11/24/25 11:33	11/24/25 19:04	1

Lab Sample ID: LCS 860-277922/2-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.70		mg/L		103	80 - 120
Magnesium	25.0	24.70		mg/L		99	80 - 120
Potassium	10.0	9.660		mg/L		97	80 - 120
Sodium	25.0	24.20		mg/L		97	80 - 120
Lithium	1.00	0.9810		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-277922/3-A
Matrix: Water
Analysis Batch: 278138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.010		mg/L		101	80 - 120	0	20
Calcium	25.0	25.70		mg/L		103	80 - 120	0	20
Magnesium	25.0	24.60		mg/L		98	80 - 120	0	20
Potassium	10.0	9.670		mg/L		97	80 - 120	0	20
Sodium	25.0	24.20		mg/L		97	80 - 120	0	20
Lithium	1.00	0.9700		mg/L		97	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-277436/1-C
Matrix: Water
Analysis Batch: 278251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/24/25 09:04	11/24/25 23:14	1

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

Lab Sample ID: MB 860-277436/1-C
Matrix: Water
Analysis Batch: 278251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/24/25 09:04	11/24/25 23:14	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/24/25 09:04	11/24/25 23:14	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/24/25 09:04	11/24/25 23:14	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/24/25 09:04	11/24/25 23:14	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/24/25 09:04	11/24/25 23:14	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/24/25 09:04	11/24/25 23:14	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/24/25 09:04	11/24/25 23:14	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/24/25 09:04	11/24/25 23:14	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/24/25 09:04	11/24/25 23:14	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 09:04	11/24/25 23:14	1

Lab Sample ID: MB 860-277436/1-C
Matrix: Water
Analysis Batch: 278595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/24/25 09:04	11/25/25 16:36	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/24/25 09:04	11/25/25 16:36	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/24/25 09:04	11/25/25 16:36	1

Lab Sample ID: LCS 860-277436/2-B
Matrix: Water
Analysis Batch: 278251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5435		mg/L		109	80 - 120
Arsenic	0.100	0.09934		mg/L		99	80 - 120
Barium	0.100	0.09922		mg/L		99	80 - 120
Beryllium	0.100	0.1013		mg/L		101	80 - 120
Cadmium	0.100	0.09923		mg/L		99	80 - 120
Chromium	0.100	0.1008		mg/L		101	80 - 120
Cobalt	0.100	0.09872		mg/L		99	80 - 120
Lead	0.100	0.1021		mg/L		102	80 - 120
Molybdenum	0.100	0.09935		mg/L		99	80 - 120
Selenium	0.100	0.1022		mg/L		102	80 - 120
Thallium	0.100	0.1057		mg/L		106	80 - 120

Lab Sample ID: LCS 860-277436/2-B
Matrix: Water
Analysis Batch: 278595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.100	0.1061		mg/L		106	80 - 120
Iron	0.500	0.5088		mg/L		102	80 - 120
Thallium	0.100	0.1065		mg/L		107	80 - 120

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

Lab Sample ID: LCSD 860-277436/3-B
Matrix: Water
Analysis Batch: 278251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5314		mg/L		106	80 - 120	2	20
Arsenic	0.100	0.1018		mg/L		102	80 - 120	2	20
Barium	0.100	0.1024		mg/L		102	80 - 120	3	20
Beryllium	0.100	0.1013		mg/L		101	80 - 120	0	20
Cadmium	0.100	0.1020		mg/L		102	80 - 120	3	20
Chromium	0.100	0.1017		mg/L		102	80 - 120	1	20
Cobalt	0.100	0.1016		mg/L		102	80 - 120	3	20
Lead	0.100	0.1011		mg/L		101	80 - 120	1	20
Molybdenum	0.100	0.1022		mg/L		102	80 - 120	3	20
Selenium	0.100	0.1031		mg/L		103	80 - 120	1	20
Thallium	0.100	0.1045		mg/L		104	80 - 120	1	20

Lab Sample ID: LCSD 860-277436/3-B
Matrix: Water
Analysis Batch: 278595

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 277854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.100	0.1048		mg/L		105	80 - 120	1	20
Iron	0.500	0.5042		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1072		mg/L		107	80 - 120	1	20

Lab Sample ID: MB 860-278232/1-A
Matrix: Water
Analysis Batch: 278590

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/25/25 11:49	11/25/25 18:50	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/25/25 11:49	11/25/25 18:50	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/25/25 11:49	11/25/25 18:50	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/25/25 11:49	11/25/25 18:50	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/25/25 11:49	11/25/25 18:50	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/25/25 11:49	11/25/25 18:50	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/25/25 11:49	11/25/25 18:50	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/25/25 11:49	11/25/25 18:50	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/25/25 11:49	11/25/25 18:50	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/25/25 11:49	11/25/25 18:50	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/25/25 11:49	11/25/25 18:50	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/25/25 11:49	11/25/25 18:50	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/25/25 11:49	11/25/25 18:50	1

Lab Sample ID: LCS 860-278232/2-A
Matrix: Water
Analysis Batch: 278590

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5088		mg/L		102	80 - 120
Antimony	0.100	0.1049		mg/L		105	80 - 120
Arsenic	0.100	0.09973		mg/L		100	80 - 120
Barium	0.100	0.1032		mg/L		103	80 - 120

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

Lab Sample ID: LCS 860-278232/2-A
Matrix: Water
Analysis Batch: 278590

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.09838		mg/L		98	80 - 120
Cadmium	0.100	0.1015		mg/L		101	80 - 120
Chromium	0.100	0.1043		mg/L		104	80 - 120
Cobalt	0.100	0.1032		mg/L		103	80 - 120
Iron	0.500	0.5134		mg/L		103	80 - 120
Lead	0.100	0.1016		mg/L		102	80 - 120
Molybdenum	0.100	0.1023		mg/L		102	80 - 120
Selenium	0.100	0.09094		mg/L		91	80 - 120
Thallium	0.100	0.1039		mg/L		104	80 - 120

Lab Sample ID: LCSD 860-278232/3-A
Matrix: Water
Analysis Batch: 278590

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278232

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5116		mg/L		102	80 - 120	1	20
Antimony	0.100	0.1050		mg/L		105	80 - 120	0	20
Arsenic	0.100	0.09956		mg/L		100	80 - 120	0	20
Barium	0.100	0.1041		mg/L		104	80 - 120	1	20
Beryllium	0.100	0.09882		mg/L		99	80 - 120	0	20
Cadmium	0.100	0.1014		mg/L		101	80 - 120	0	20
Chromium	0.100	0.1047		mg/L		105	80 - 120	0	20
Cobalt	0.100	0.1034		mg/L		103	80 - 120	0	20
Iron	0.500	0.5131		mg/L		103	80 - 120	0	20
Lead	0.100	0.1029		mg/L		103	80 - 120	1	20
Molybdenum	0.100	0.1029		mg/L		103	80 - 120	1	20
Selenium	0.100	0.09096		mg/L		91	80 - 120	0	20
Thallium	0.100	0.1047		mg/L		105	80 - 120	1	20

Lab Sample ID: MB 860-278233/1-A
Matrix: Water
Analysis Batch: 278967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		11/25/25 11:51	11/27/25 01:30	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		11/25/25 11:51	11/27/25 01:30	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		11/25/25 11:51	11/27/25 01:30	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		11/25/25 11:51	11/27/25 01:30	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		11/25/25 11:51	11/27/25 01:30	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		11/25/25 11:51	11/27/25 01:30	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		11/25/25 11:51	11/27/25 01:30	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		11/25/25 11:51	11/27/25 01:30	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		11/25/25 11:51	11/27/25 01:30	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		11/25/25 11:51	11/27/25 01:30	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		11/25/25 11:51	11/27/25 01:30	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		11/25/25 11:51	11/27/25 01:30	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		11/25/25 11:51	11/27/25 01:30	1

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

Lab Sample ID: LCS 860-278233/2-A
Matrix: Water
Analysis Batch: 278967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5081		mg/L		102	80 - 120
Antimony	0.100	0.1083		mg/L		108	80 - 120
Arsenic	0.100	0.1005		mg/L		100	80 - 120
Barium	0.100	0.09813		mg/L		98	80 - 120
Beryllium	0.100	0.09590		mg/L		96	80 - 120
Cadmium	0.100	0.09794		mg/L		98	80 - 120
Chromium	0.100	0.1012		mg/L		101	80 - 120
Cobalt	0.100	0.1004		mg/L		100	80 - 120
Iron	0.500	0.5032		mg/L		101	80 - 120
Lead	0.100	0.1007		mg/L		101	80 - 120
Molybdenum	0.100	0.09841		mg/L		98	80 - 120
Selenium	0.100	0.1022		mg/L		102	80 - 120
Thallium	0.100	0.1035		mg/L		104	80 - 120

Lab Sample ID: LCSD 860-278233/3-A
Matrix: Water
Analysis Batch: 278967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5104		mg/L		102	80 - 120	0	20
Antimony	0.100	0.1087		mg/L		109	80 - 120	0	20
Arsenic	0.100	0.09939		mg/L		99	80 - 120	1	20
Barium	0.100	0.09577		mg/L		96	80 - 120	2	20
Beryllium	0.100	0.09637		mg/L		96	80 - 120	0	20
Cadmium	0.100	0.09697		mg/L		97	80 - 120	1	20
Chromium	0.100	0.09970		mg/L		100	80 - 120	2	20
Cobalt	0.100	0.09939		mg/L		99	80 - 120	1	20
Iron	0.500	0.4946		mg/L		99	80 - 120	2	20
Lead	0.100	0.1005		mg/L		101	80 - 120	0	20
Molybdenum	0.100	0.09747		mg/L		97	80 - 120	1	20
Selenium	0.100	0.1011		mg/L		101	80 - 120	1	20
Thallium	0.100	0.1039		mg/L		104	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-278207/10-A
Matrix: Water
Analysis Batch: 278425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/25/25 23:44	1

Lab Sample ID: LCS 860-278207/11-A
Matrix: Water
Analysis Batch: 278425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.002200		mg/L		110	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 860-278207/12-A
Matrix: Water
Analysis Batch: 278425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278207

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00200	0.002030		mg/L		101	80 - 120	8	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-278136/3
Matrix: Water
Analysis Batch: 278136

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/24/25 09:01	1

Lab Sample ID: LCS 860-278136/4
Matrix: Water
Analysis Batch: 278136

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	243.8		mg/L		98	85 - 115		

Lab Sample ID: LCSD 860-278136/5
Matrix: Water
Analysis Batch: 278136

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
Alkalinity			250	242.4		mg/L		97	85 - 115	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-33750/1
Matrix: Water
Analysis Batch: 33750

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			11/21/25 10:05	1

Lab Sample ID: LCS 870-33750/2
Matrix: Water
Analysis Batch: 33750

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	963.0		mg/L		96	80 - 120		

Lab Sample ID: LCSD 870-33750/3
Matrix: Water
Analysis Batch: 33750

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
Total Dissolved Solids			1000	900.0		mg/L		90	80 - 120	7	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 870-33806/1
Matrix: Water
Analysis Batch: 33806

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			11/24/25 16:29	1

Lab Sample ID: LCS 870-33806/2
Matrix: Water
Analysis Batch: 33806

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	905.0		mg/L		91	80 - 120		

Lab Sample ID: LCSD 870-33806/3
Matrix: Water
Analysis Batch: 33806

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
Total Dissolved Solids			1000	975.0		mg/L		98	80 - 120	7	10

Lab Sample ID: 870-41739-3 DU
Matrix: Water
Analysis Batch: 33806

Client Sample ID: SFL MW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1540			1506		mg/L				2	10

Lab Sample ID: 870-41739-4 DU
Matrix: Water
Analysis Batch: 33806

Client Sample ID: MNW-15D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2800			2784		mg/L				0.4	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-41739-8 DU
Matrix: Water
Analysis Batch: 33834

Client Sample ID: SFL MW-1S (Contingency)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	4.7	HF		4.6		SU				1	20
Temperature	18.8	HF		18.9		Celsius				0.5	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-746760/1-A
Matrix: Water
Analysis Batch: 749503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746760

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-10.24	U G	26.7	26.7	50.0	90.5	pCi/L	11/24/25 11:39	12/15/25 08:54	1
Radium-228	20.70	U G	34.9	34.9	50.0	61.8	pCi/L	11/24/25 11:39	12/15/25 08:54	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: MB 160-746760/1-A
Matrix: Water
Analysis Batch: 749503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746760

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	10.46	U	43.9	43.9		90.5	pCi/L	11/24/25 11:39	12/15/25 08:54	1

Lab Sample ID: LCS 160-746760/2-A
Matrix: Water
Analysis Batch: 749508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746760

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	135000		13900		590	pCi/L	95	75 - 125
Cesium-137	37500	36830		3600		147	pCi/L	98	75 - 125
Cobalt-60	49900	49930		4870		95.8	pCi/L	100	75 - 125

Lab Sample ID: 870-41739-1 DU
Matrix: Water
Analysis Batch: 749503

Client Sample ID: AP PZ-4
Prep Type: Total/NA
Prep Batch: 746760

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	5.85	U G	24.09	U G	45.3	50.0	73.5	pCi/L	0.34	1
Radium-228	25.7	U	8.003	U G	45.2	50.0	61.8	pCi/L	0.24	1
Combined Radium 226 + 228	31.5	U	32.09	U	64.0		73.5	pCi/L	0.01	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-747098/1-A
Matrix: Water
Analysis Batch: 750698

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747098

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.6538		0.227	0.234	1.00	0.219	pCi/L	11/26/25 08:42	12/22/25 22:55	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*11/26/25 08:42*	*12/22/25 22:55*	*1*

Lab Sample ID: LCS 160-747098/2-A
Matrix: Water
Analysis Batch: 750698

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747098

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.57	9.794		1.19	1.00	0.226	pCi/L	102	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*81.8*		*30 - 110*

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-747223/1-A
Matrix: Water
Analysis Batch: 750908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747223

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03532	U	0.0900	0.0901	1.00	0.208	pCi/L	12/01/25 08:55	12/23/25 08:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*12/01/25 08:55*	*12/23/25 08:01*	*1*

Lab Sample ID: LCS 160-747223/2-A
Matrix: Water
Analysis Batch: 750908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747223

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.491		1.04	1.00	0.172	pCi/L	89	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*80.4*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-747099/1-A
Matrix: Water
Analysis Batch: 750544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747099

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6952		0.402	0.407	1.00	0.574	pCi/L	11/26/25 08:47	12/21/25 11:00	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*11/26/25 08:47*	*12/21/25 11:00*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/26/25 08:47*	*12/21/25 11:00*	*1*

Lab Sample ID: LCS 160-747099/2-A
Matrix: Water
Analysis Batch: 750544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747099

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.84	10.30		1.44	1.00	0.669	pCi/L	131	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*81.8*		*30 - 110*
Y Carrier	*80.7*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-747224/1-A
Matrix: Water
Analysis Batch: 750442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747224

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3479	U	0.413	0.415	1.00	0.680	pCi/L	12/01/25 08:57	12/21/25 13:11	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:11*	*1*
Y Carrier	*80.7*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:11*	*1*

Lab Sample ID: LCS 160-747224/2-A
Matrix: Water
Analysis Batch: 750442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747224

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.84	8.759		1.26	1.00	0.549	pCi/L	112	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*80.4*		*30 - 110*
Y Carrier	*83.4*		*30 - 110*

HPLC/IC

Analysis Batch: 278183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	9056A	
870-41739-2	AP MW-3D	Total/NA	Water	9056A	
870-41739-2 - DL	AP MW-3D	Total/NA	Water	9056A	
870-41739-3	SFL MW-8D	Total/NA	Water	9056A	
870-41739-3 - DL	SFL MW-8D	Total/NA	Water	9056A	
870-41739-4	MNW-15D	Total/NA	Water	9056A	
870-41739-4 - DL	MNW-15D	Total/NA	Water	9056A	
870-41739-5	SFL MW-8S	Total/NA	Water	9056A	
870-41739-5 - DL	SFL MW-8S	Total/NA	Water	9056A	
870-41739-6	FD1	Total/NA	Water	9056A	
870-41739-6 - DL	FD1	Total/NA	Water	9056A	
870-41739-7	SFL MW-1S	Total/NA	Water	9056A	
870-41739-7 - DL	SFL MW-1S	Total/NA	Water	9056A	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	9056A	
870-41739-8 - DL	SFL MW-1S (Contingency)	Total/NA	Water	9056A	
870-41739-9	FD2	Total/NA	Water	9056A	
870-41739-10	SFL MW-7S	Total/NA	Water	9056A	
870-41739-11	SFL MW-2D	Total/NA	Water	9056A	
870-41739-11 - DL	SFL MW-2D	Total/NA	Water	9056A	
MB 860-278183/45	Method Blank	Total/NA	Water	9056A	
LCS 860-278183/46	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-278183/47	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-278183/49	Lab Control Sample	Total/NA	Water	9056A	
870-41739-4 MS	MNW-15D	Total/NA	Water	9056A	
870-41739-4 MSD	MNW-15D	Total/NA	Water	9056A	

Analysis Batch: 278922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	9056A	
870-41739-2	AP MW-3D	Total/NA	Water	9056A	
870-41739-3	SFL MW-8D	Total/NA	Water	9056A	
870-41739-4	MNW-15D	Total/NA	Water	9056A	
870-41739-5	SFL MW-8S	Total/NA	Water	9056A	
870-41739-6	FD1	Total/NA	Water	9056A	
870-41739-7	SFL MW-1S	Total/NA	Water	9056A	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	9056A	
MB 860-278922/44	Method Blank	Total/NA	Water	9056A	
LCS 860-278922/45	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-278922/46	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 278949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-9	FD2	Total/NA	Water	9056A	
870-41739-10	SFL MW-7S	Total/NA	Water	9056A	
870-41739-11	SFL MW-2D	Total/NA	Water	9056A	
MB 860-278949/20	Method Blank	Total/NA	Water	9056A	
LCS 860-278949/21	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-278949/22	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-278949/24	Lab Control Sample	Total/NA	Water	9056A	

Metals

Filtration Batch: 277436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-277436/1-C	Method Blank	Total/NA	Water	Filtration	
LCS 860-277436/2-B	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 860-277436/3-B	Lab Control Sample Dup	Total/NA	Water	Filtration	

Prep Batch: 277854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-4	MNW-15D	Total/NA	Water	3010A	
870-41739-6	FD1	Total/NA	Water	3010A	
870-41739-7	SFL MW-1S	Total/NA	Water	3010A	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	3010A	
MB 860-277436/1-C	Method Blank	Total/NA	Water	3010A	277436
LCS 860-277436/2-B	Lab Control Sample	Total/NA	Water	3010A	277436
LCSD 860-277436/3-B	Lab Control Sample Dup	Total/NA	Water	3010A	277436

Prep Batch: 277922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	3010A	
870-41739-2	AP MW-3D	Total/NA	Water	3010A	
870-41739-3	SFL MW-8D	Total/NA	Water	3010A	
870-41739-4	MNW-15D	Total/NA	Water	3010A	
870-41739-5	SFL MW-8S	Total/NA	Water	3010A	
870-41739-6	FD1	Total/NA	Water	3010A	
870-41739-7	SFL MW-1S	Total/NA	Water	3010A	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	3010A	
870-41739-9	FD2	Total/NA	Water	3010A	
870-41739-10	SFL MW-7S	Total/NA	Water	3010A	
870-41739-11	SFL MW-2D	Total/NA	Water	3010A	
MB 860-277922/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-277922/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-277922/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 278138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	6010D	277922
870-41739-1	AP PZ-4	Total/NA	Water	6010D	277922
870-41739-2	AP MW-3D	Total/NA	Water	6010D	277922
870-41739-3	SFL MW-8D	Total/NA	Water	6010D	277922
870-41739-4	MNW-15D	Total/NA	Water	6010D	277922
870-41739-4	MNW-15D	Total/NA	Water	6010D	277922
870-41739-5	SFL MW-8S	Total/NA	Water	6010D	277922
870-41739-5	SFL MW-8S	Total/NA	Water	6010D	277922
870-41739-6	FD1	Total/NA	Water	6010D	277922
870-41739-6	FD1	Total/NA	Water	6010D	277922
870-41739-7	SFL MW-1S	Total/NA	Water	6010D	277922
870-41739-7	SFL MW-1S	Total/NA	Water	6010D	277922
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	6010D	277922
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	6010D	277922
870-41739-9	FD2	Total/NA	Water	6010D	277922
870-41739-9	FD2	Total/NA	Water	6010D	277922
870-41739-10	SFL MW-7S	Total/NA	Water	6010D	277922
870-41739-10	SFL MW-7S	Total/NA	Water	6010D	277922

Metals (Continued)

Analysis Batch: 278138 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-11	SFL MW-2D	Total/NA	Water	6010D	277922
870-41739-11	SFL MW-2D	Total/NA	Water	6010D	277922
MB 860-277922/1-A	Method Blank	Total/NA	Water	6010D	277922
LCS 860-277922/2-A	Lab Control Sample	Total/NA	Water	6010D	277922
LCSD 860-277922/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	277922

Prep Batch: 278207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	7470A	
870-41739-2	AP MW-3D	Total/NA	Water	7470A	
870-41739-3	SFL MW-8D	Total/NA	Water	7470A	
870-41739-4	MNW-15D	Total/NA	Water	7470A	
870-41739-5	SFL MW-8S	Total/NA	Water	7470A	
870-41739-6	FD1	Total/NA	Water	7470A	
870-41739-7	SFL MW-1S	Total/NA	Water	7470A	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	7470A	
870-41739-9	FD2	Total/NA	Water	7470A	
870-41739-10	SFL MW-7S	Total/NA	Water	7470A	
870-41739-11	SFL MW-2D	Total/NA	Water	7470A	
MB 860-278207/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-278207/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-278207/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 278232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	3010A	
870-41739-2	AP MW-3D	Total/NA	Water	3010A	
870-41739-3	SFL MW-8D	Total/NA	Water	3010A	
870-41739-5	SFL MW-8S	Total/NA	Water	3010A	
MB 860-278232/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-278232/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-278232/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 278233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-9	FD2	Total/NA	Water	3010A	
870-41739-10	SFL MW-7S	Total/NA	Water	3010A	
870-41739-11	SFL MW-2D	Total/NA	Water	3010A	
MB 860-278233/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-278233/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-278233/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 278251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-4	MNW-15D	Total/NA	Water	6020B	277854
870-41739-6	FD1	Total/NA	Water	6020B	277854
870-41739-7	SFL MW-1S	Total/NA	Water	6020B	277854
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	6020B	277854
MB 860-277436/1-C	Method Blank	Total/NA	Water	6020B	277854
LCS 860-277436/2-B	Lab Control Sample	Total/NA	Water	6020B	277854
LCSD 860-277436/3-B	Lab Control Sample Dup	Total/NA	Water	6020B	277854

Metals

Analysis Batch: 278425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	7470A	278207
870-41739-2	AP MW-3D	Total/NA	Water	7470A	278207
870-41739-3	SFL MW-8D	Total/NA	Water	7470A	278207
870-41739-4	MNW-15D	Total/NA	Water	7470A	278207
870-41739-5	SFL MW-8S	Total/NA	Water	7470A	278207
870-41739-6	FD1	Total/NA	Water	7470A	278207
870-41739-7	SFL MW-1S	Total/NA	Water	7470A	278207
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	7470A	278207
870-41739-9	FD2	Total/NA	Water	7470A	278207
870-41739-10	SFL MW-7S	Total/NA	Water	7470A	278207
870-41739-11	SFL MW-2D	Total/NA	Water	7470A	278207
MB 860-278207/10-A	Method Blank	Total/NA	Water	7470A	278207
LCS 860-278207/11-A	Lab Control Sample	Total/NA	Water	7470A	278207
LCSD 860-278207/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	278207

Analysis Batch: 278590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	6020B	278232
870-41739-2	AP MW-3D	Total/NA	Water	6020B	278232
870-41739-3	SFL MW-8D	Total/NA	Water	6020B	278232
870-41739-5	SFL MW-8S	Total/NA	Water	6020B	278232
MB 860-278232/1-A	Method Blank	Total/NA	Water	6020B	278232
LCS 860-278232/2-A	Lab Control Sample	Total/NA	Water	6020B	278232
LCSD 860-278232/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	278232

Analysis Batch: 278595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-4	MNW-15D	Total/NA	Water	6020B	277854
870-41739-6	FD1	Total/NA	Water	6020B	277854
870-41739-7	SFL MW-1S	Total/NA	Water	6020B	277854
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	6020B	277854
MB 860-277436/1-C	Method Blank	Total/NA	Water	6020B	277854
LCS 860-277436/2-B	Lab Control Sample	Total/NA	Water	6020B	277854
LCSD 860-277436/3-B	Lab Control Sample Dup	Total/NA	Water	6020B	277854

Analysis Batch: 278650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	6020B	278232
870-41739-2	AP MW-3D	Total/NA	Water	6020B	278232
870-41739-3	SFL MW-8D	Total/NA	Water	6020B	278232
870-41739-5	SFL MW-8S	Total/NA	Water	6020B	278232

Analysis Batch: 278967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-9	FD2	Total/NA	Water	6020B	278233
870-41739-10	SFL MW-7S	Total/NA	Water	6020B	278233
870-41739-11	SFL MW-2D	Total/NA	Water	6020B	278233
MB 860-278233/1-A	Method Blank	Total/NA	Water	6020B	278233
LCS 860-278233/2-A	Lab Control Sample	Total/NA	Water	6020B	278233
LCSD 860-278233/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	278233

Metals

Analysis Batch: 279196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-11	SFL MW-2D	Total/NA	Water	6020B	278233

General Chemistry

Analysis Batch: 33750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	SM 2540C	
870-41739-2	AP MW-3D	Total/NA	Water	SM 2540C	
MB 870-33750/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-33750/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-33750/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 33806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-3	SFL MW-8D	Total/NA	Water	SM 2540C	
870-41739-4	MNW-15D	Total/NA	Water	SM 2540C	
870-41739-5	SFL MW-8S	Total/NA	Water	SM 2540C	
870-41739-6	FD1	Total/NA	Water	SM 2540C	
870-41739-7	SFL MW-1S	Total/NA	Water	SM 2540C	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	SM 2540C	
870-41739-9	FD2	Total/NA	Water	SM 2540C	
870-41739-10	SFL MW-7S	Total/NA	Water	SM 2540C	
870-41739-11	SFL MW-2D	Total/NA	Water	SM 2540C	
MB 870-33806/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-33806/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-33806/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-41739-3 DU	SFL MW-8D	Total/NA	Water	SM 2540C	
870-41739-4 DU	MNW-15D	Total/NA	Water	SM 2540C	

Analysis Batch: 33834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	SM 4500 H+ B	
870-41739-2	AP MW-3D	Total/NA	Water	SM 4500 H+ B	
870-41739-3	SFL MW-8D	Total/NA	Water	SM 4500 H+ B	
870-41739-4	MNW-15D	Total/NA	Water	SM 4500 H+ B	
870-41739-5	SFL MW-8S	Total/NA	Water	SM 4500 H+ B	
870-41739-6	FD1	Total/NA	Water	SM 4500 H+ B	
870-41739-7	SFL MW-1S	Total/NA	Water	SM 4500 H+ B	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	SM 4500 H+ B	
870-41739-9	FD2	Total/NA	Water	SM 4500 H+ B	
870-41739-10	SFL MW-7S	Total/NA	Water	SM 4500 H+ B	
870-41739-11	SFL MW-2D	Total/NA	Water	SM 4500 H+ B	
870-41739-8 DU	SFL MW-1S (Contingency)	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 278136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	SM 2320B	
870-41739-2	AP MW-3D	Total/NA	Water	SM 2320B	
870-41739-3	SFL MW-8D	Total/NA	Water	SM 2320B	
870-41739-4	MNW-15D	Total/NA	Water	SM 2320B	
870-41739-5	SFL MW-8S	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 278136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-6	FD1	Total/NA	Water	SM 2320B	
870-41739-7	SFL MW-1S	Total/NA	Water	SM 2320B	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	SM 2320B	
870-41739-9	FD2	Total/NA	Water	SM 2320B	
870-41739-10	SFL MW-7S	Total/NA	Water	SM 2320B	
870-41739-11	SFL MW-2D	Total/NA	Water	SM 2320B	
MB 860-278136/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-278136/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-278136/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 746760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	Fill_Geo-21	
870-41739-2	AP MW-3D	Total/NA	Water	Fill_Geo-21	
870-41739-3	SFL MW-8D	Total/NA	Water	Fill_Geo-21	
870-41739-4	MNW-15D	Total/NA	Water	Fill_Geo-21	
870-41739-5	SFL MW-8S	Total/NA	Water	Fill_Geo-21	
870-41739-6	FD1	Total/NA	Water	Fill_Geo-21	
870-41739-7	SFL MW-1S	Total/NA	Water	Fill_Geo-21	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	Fill_Geo-21	
870-41739-9	FD2	Total/NA	Water	Fill_Geo-21	
870-41739-10	SFL MW-7S	Total/NA	Water	Fill_Geo-21	
870-41739-11	SFL MW-2D	Total/NA	Water	Fill_Geo-21	
MB 160-746760/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-746760/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-41739-1 DU	AP PZ-4	Total/NA	Water	Fill_Geo-21	

Prep Batch: 747098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	PrecSep-21	
870-41739-2	AP MW-3D	Total/NA	Water	PrecSep-21	
870-41739-3	SFL MW-8D	Total/NA	Water	PrecSep-21	
870-41739-4	MNW-15D	Total/NA	Water	PrecSep-21	
870-41739-5	SFL MW-8S	Total/NA	Water	PrecSep-21	
870-41739-6	FD1	Total/NA	Water	PrecSep-21	
870-41739-7	SFL MW-1S	Total/NA	Water	PrecSep-21	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	PrecSep-21	
870-41739-9	FD2	Total/NA	Water	PrecSep-21	
870-41739-10	SFL MW-7S	Total/NA	Water	PrecSep-21	
MB 160-747098/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-747098/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 747099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-1	AP PZ-4	Total/NA	Water	PrecSep_0	
870-41739-2	AP MW-3D	Total/NA	Water	PrecSep_0	
870-41739-3	SFL MW-8D	Total/NA	Water	PrecSep_0	
870-41739-4	MNW-15D	Total/NA	Water	PrecSep_0	
870-41739-5	SFL MW-8S	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 747099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-6	FD1	Total/NA	Water	PrecSep_0	
870-41739-7	SFL MW-1S	Total/NA	Water	PrecSep_0	
870-41739-8	SFL MW-1S (Contingency)	Total/NA	Water	PrecSep_0	
870-41739-9	FD2	Total/NA	Water	PrecSep_0	
870-41739-10	SFL MW-7S	Total/NA	Water	PrecSep_0	
MB 160-747099/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-747099/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 747223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-11	SFL MW-2D	Total/NA	Water	PrecSep-21	
MB 160-747223/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-747223/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 747224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41739-11	SFL MW-2D	Total/NA	Water	PrecSep_0	
MB 160-747224/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-747224/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Client Sample ID: AP PZ-4

Date Collected: 11/18/25 14:10
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278922	12/01/25 21:21	RJD	EET HOU
Total/NA	Analysis	9056A		1			278183	11/25/25 21:03	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 19:54	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:02	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278232	11/25/25 11:49	AGR	EET HOU
Total/NA	Analysis	6020B		1			278650	11/26/25 14:35	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278232	11/25/25 11:49	AGR	EET HOU
Total/NA	Analysis	6020B		1			278590	11/25/25 20:57	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:13	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 09:49	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33750	11/21/25 10:05	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749501	12/15/25 08:55	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.01 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:51	FLC	EET SL
Total/NA	Prep	PrecSep_0			1003.01 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750544	12/21/25 11:02	FLC	EET SL

Client Sample ID: AP MW-3D

Date Collected: 11/18/25 17:55
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278922	12/01/25 21:28	RJD	EET HOU
Total/NA	Analysis	9056A		1			278183	11/25/25 21:23	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278183	11/25/25 21:33	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 19:56	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278232	11/25/25 11:49	AGR	EET HOU
Total/NA	Analysis	6020B		1			278650	11/26/25 14:38	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278232	11/25/25 11:49	AGR	EET HOU
Total/NA	Analysis	6020B		1			278590	11/25/25 21:00	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:17	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 10:24	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	33750	11/21/25 10:05	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749507	12/15/25 08:54	MLS	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Client Sample ID: AP MW-3D
Date Collected: 11/18/25 17:55
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.32 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:52	FLC	EET SL
Total/NA	Prep	PrecSep_0			753.32 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:31	FLC	EET SL

Client Sample ID: SFL MW-8D
Date Collected: 11/19/25 11:00
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278922	12/01/25 21:58	RJD	EET HOU
Total/NA	Analysis	9056A		1			278183	11/25/25 21:43	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278183	11/25/25 21:53	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 19:57	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278232	11/25/25 11:49	AGR	EET HOU
Total/NA	Analysis	6020B		1			278650	11/26/25 14:41	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278232	11/25/25 11:49	AGR	EET HOU
Total/NA	Analysis	6020B		1			278590	11/25/25 21:03	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:26	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 17:03	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749498	12/15/25 08:54	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.08 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:52	FLC	EET SL
Total/NA	Prep	PrecSep_0			1002.08 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:31	FLC	EET SL

Client Sample ID: MNW-15D
Date Collected: 11/19/25 12:30
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278922	12/01/25 22:35	RJD	EET HOU
Total/NA	Analysis	9056A		1			278183	11/25/25 22:23	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278183	11/25/25 22:33	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:10	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:18	JDM	EET HOU

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Client Sample ID: MNW-15D

Date Collected: 11/19/25 12:30
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	277854	11/24/25 09:04	AGR	EET HOU
Total/NA	Analysis	6020B		1			278251	11/25/25 00:21	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277854	11/24/25 09:04	AGR	EET HOU
Total/NA	Analysis	6020B		1			278595	11/25/25 16:56	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:08	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 17:09	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749507	12/15/25 10:28	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.01 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:52	FLC	EET SL
Total/NA	Prep	PrecSep_0			1001.01 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:31	FLC	EET SL

Client Sample ID: SFL MW-8S

Date Collected: 11/19/25 09:00
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278922	12/01/25 22:20	RJD	EET HOU
Total/NA	Analysis	9056A		1			278183	11/25/25 22:03	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278183	11/25/25 22:13	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:11	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:19	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278232	11/25/25 11:49	AGR	EET HOU
Total/NA	Analysis	6020B		1			278650	11/26/25 14:44	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278232	11/25/25 11:49	AGR	EET HOU
Total/NA	Analysis	6020B		1			278590	11/25/25 21:06	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:19	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 17:15	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749508	12/15/25 10:32	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.76 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:52	FLC	EET SL
Total/NA	Prep	PrecSep_0			1002.76 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:31	FLC	EET SL

Client Sample ID: FD1

Date Collected: 11/19/25 09:30
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278922	12/01/25 22:49	RJD	EET HOU
Total/NA	Analysis	9056A		1			278183	11/25/25 23:23	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278183	11/25/25 23:33	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:13	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277854	11/24/25 09:04	AGR	EET HOU
Total/NA	Analysis	6020B		1			278251	11/25/25 00:24	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277854	11/24/25 09:04	AGR	EET HOU
Total/NA	Analysis	6020B		100			278595	11/25/25 16:59	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:11	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 16:17	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749501	12/15/25 10:30	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.80 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:52	FLC	EET SL
Total/NA	Prep	PrecSep_0			1001.80 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:31	FLC	EET SL

Client Sample ID: SFL MW-1S

Date Collected: 11/19/25 12:25
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278922	12/01/25 23:04	RJD	EET HOU
Total/NA	Analysis	9056A		1			278183	11/25/25 23:43	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278183	11/25/25 23:53	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:14	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277854	11/24/25 09:04	AGR	EET HOU
Total/NA	Analysis	6020B		1			278251	11/25/25 00:31	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277854	11/24/25 09:04	AGR	EET HOU
Total/NA	Analysis	6020B		1			278595	11/25/25 17:11	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:16	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 09:43	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Client Sample ID: SFL MW-1S

Lab Sample ID: 870-41739-7

Date Collected: 11/19/25 12:25
Date Received: 11/20/25 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749498	12/15/25 10:27	MLS	EET SL
Total/NA	Prep	PrecSep-21			1001.59 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:53	FLC	EET SL
Total/NA	Prep	PrecSep_0			1001.59 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:33	FLC	EET SL

Client Sample ID: SFL MW-1S (Contingency)

Lab Sample ID: 870-41739-8

Date Collected: 11/19/25 08:55
Date Received: 11/20/25 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278922	12/01/25 23:33	RJD	EET HOU
Total/NA	Analysis	9056A		1			278183	11/26/25 00:03	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278183	11/26/25 00:13	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:16	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277854	11/24/25 09:04	AGR	EET HOU
Total/NA	Analysis	6020B		1			278251	11/25/25 00:34	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277854	11/24/25 09:04	AGR	EET HOU
Total/NA	Analysis	6020B		1			278595	11/25/25 17:14	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:06	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 16:22	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749503	12/15/25 12:25	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.00 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:53	FLC	EET SL
Total/NA	Prep	PrecSep_0			1002.00 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:33	FLC	EET SL

Client Sample ID: FD2

Lab Sample ID: 870-41739-9

Date Collected: 11/19/25 10:55
Date Received: 11/20/25 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278183	11/26/25 02:23	RJD	EET HOU
Total/NA	Analysis	9056A		10			278949	12/01/25 22:55	RJD	EET HOU

Client Sample ID: FD2

Lab Sample ID: 870-41739-9

Date Collected: 11/19/25 10:55
Date Received: 11/20/25 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:36	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278233	11/25/25 11:51	AGR	EET HOU
Total/NA	Analysis	6020B		1			278967	11/27/25 02:15	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:12	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 10:30	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749507	12/15/25 12:26	MLS	EET SL
Total/NA	Prep	PrecSep-21			1000.69 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:53	FLC	EET SL
Total/NA	Prep	PrecSep_0			1000.69 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:34	FLC	EET SL

Client Sample ID: SFL MW-7S

Lab Sample ID: 870-41739-10

Date Collected: 11/19/25 10:25
Date Received: 11/20/25 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			278183	11/26/25 02:03	RJD	EET HOU
Total/NA	Analysis	9056A		10			278949	12/01/25 22:35	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:30	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:38	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278233	11/25/25 11:51	AGR	EET HOU
Total/NA	Analysis	6020B		1			278967	11/27/25 02:18	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:24	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 16:57	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749508	12/15/25 12:28	MLS	EET SL
Total/NA	Prep	PrecSep-21			1004.98 mL	1.0 g	747098	11/26/25 08:42	VLQ	EET SL
Total/NA	Analysis	903.0		1			750692	12/22/25 22:53	FLC	EET SL
Total/NA	Prep	PrecSep_0			1004.98 mL	1.0 g	747099	11/26/25 08:47	VLQ	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	750442	12/21/25 12:34	FLC	EET SL

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Client Sample ID: SFL MW-2D

Date Collected: 11/19/25 12:55
Date Received: 11/20/25 11:00

Lab Sample ID: 870-41739-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278183	11/26/25 00:23	RJD	EET HOU
Total/NA	Analysis	9056A	DL	10			278183	11/26/25 00:33	RJD	EET HOU
Total/NA	Analysis	9056A		10			278949	12/02/25 00:05	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		1			278138	11/24/25 20:32	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	277922	11/24/25 11:33	AGR	EET HOU
Total/NA	Analysis	6010D		50			278138	11/24/25 20:39	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278233	11/25/25 11:51	AGR	EET HOU
Total/NA	Analysis	6020B		1			278967	11/27/25 02:21	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278233	11/25/25 11:51	AGR	EET HOU
Total/NA	Analysis	6020B		1			279196	12/01/25 15:47	DP	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:09	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278136	11/24/25 16:41	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33834	11/25/25 12:45	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	746760	11/24/25 11:39	DC	EET SL
Total/NA	Analysis	901.1		1			749501	12/15/25 12:29	MLS	EET SL
Total/NA	Prep	PrecSep-21			1008.75 mL	1.0 g	747223	12/01/25 08:55	AMS	EET SL
Total/NA	Analysis	903.0		1			750908	12/23/25 08:04	EJS	EET SL
Total/NA	Prep	PrecSep_0			1008.75 mL	1.0 g	747224	12/01/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			750544	12/21/25 13:23	FLC	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: Gibbons Creek Steam Electric Station

Job ID: 870-41739-1
SDG: 10290148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-41739-1	AP PZ-4	Water	11/18/25 14:10	11/20/25 11:00	Texas
870-41739-2	AP MW-3D	Water	11/18/25 17:55	11/20/25 11:00	Texas
870-41739-3	SFL MW-8D	Water	11/19/25 11:00	11/20/25 11:00	Texas
870-41739-4	MNW-15D	Water	11/19/25 12:30	11/20/25 11:00	Texas
870-41739-5	SFL MW-8S	Water	11/19/25 09:00	11/20/25 11:00	Texas
870-41739-6	FD1	Water	11/19/25 09:30	11/20/25 11:00	Texas
870-41739-7	SFL MW-1S	Water	11/19/25 12:25	11/20/25 11:00	Texas
870-41739-8	SFL MW-1S (Contingency)	Water	11/19/25 08:55	11/20/25 11:00	Texas
870-41739-9	FD2	Water	11/19/25 10:55	11/20/25 11:00	Texas
870-41739-10	SFL MW-7S	Water	11/19/25 10:25	11/20/25 11:00	Texas
870-41739-11	SFL MW-2D	Water	11/19/25 12:55	11/20/25 11:00	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

eurofins | Environment Testing

12/31/2025

Client Information	Sampler: Emma Foley	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-15038-5065.1
Client Contact: Emma Foley	Phone: 7202422831	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page:
Company: HDR Inc	PWSID:			Job #: 10290148
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Emma.Foley@hdrinc.com	WO #:			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: D - HNO3, N - None

870-41739 Chain of Custody

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)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A Total metals	6010D, 7470A, 6020B. Dissolved metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
AP PZ-4	11-18-25	1410	G	Water	N	N	X	X	X	X	X	X		X	X	6	
AP MW-3D	11-18-25	1755	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SFL MW-8D	11-19-25	1100	G	Water	N	N	X	X	X	X	X	X		X	X	6	
MNW-15D	11-19-25	1230	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SFL ~~MW8FL~~ MW-8S	11-19-25	0900	G	Water	N	N	X	X	X	X	X	X		X	X	6	
FD1	11-19-25	0930	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SFL MW-1S	11-19-25	1225	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SFL MW-1S (Contingency)	11-19-25	0855	G	Water	N	N	X	X	X	X	X	X		X	X	6	
FD2	11-19-25	1055	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SFL MW-7S	11-19-25	1025	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SFL MW-2D	11-19-25	1255	G	Water	N	N	X	X	X	X	X	X		X	X	6	

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: 11/19/25 1600	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by: FEDEX	Date/Time:	Company	Received by: AG	Date/Time: 11/20/25 1100	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.6/0.6/0.4 1.8/1.2 THM-027 -0.6

Ver: 05/06/2024

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9517.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-41739-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 12/1/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AP PZ-4 (870-41739-1)	11/18/25	14:10 Central	G	Water			X	X	X	2	
AP MW-3D (870-41739-2)	11/18/25	17:55 Central	G	Water			X	X	X	2	
SFL MW-8D (870-41739-3)	11/19/25	11:00 Central	G	Water			X	X	X	2	
MNW-15D (870-41739-4)	11/19/25	12:30 Central	G	Water			X	X	X	2	
SFL MW-8S (870-41739-5)	11/19/25	09:00 Central	G	Water			X	X	X	2	
FD1 (870-41739-6)	11/19/25	09:30 Central	G	Water			X	X	X	2	
SFL MW-1S (870-41739-7)	11/19/25	12:25 Central	G	Water			X	X	X	2	
SFL MW-1S (Contingency) (870-41739-8)	11/19/25	08:55 Central	G	Water			X	X	X	2	
FD2 (870-41739-9)	11/19/25	10:55 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 11/20/25 700	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: NOV 20 2025	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: NOV 21 2025 0830	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: Meadow Pinette

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9517.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 870-41739-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 12/1/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFW MW-7S (870-41739-10)	11/19/25	10:25 Central	G	Water			X	X	X	2	
SFW MW-2D (870-41739-11)	11/19/25	12:55 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 11/20/25 - 700	Company	Received by: FEDEX
Relinquished by:	Date/Time:	Company	Received by: NOV 20 2025 M. Pinette
Relinquished by:	Date/Time:	Company	Received by: NOV 21 2025 0830 Meadow Pinette

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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12/31/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9519.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-41739-1
Address: 4145 Greenbriar Dr	Due Date Requested: 11/26/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9056A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AP PZ-4 (870-41739-1)	11/18/25	14.10 Central	G	Water			X	X	X	X	X	2	
AP MW-3D (870-41739-2)	11/18/25	17:55 Central	G	Water			X	X	X	X	X	2	
SFL MW-8D (870-41739-3)	11/19/25	11:00 Central	G	Water			X	X	X	X	X	2	
MNW-15D (870-41739-4)	11/19/25	12:30 Central	G	Water			X	X	X	X	X	2	
SFL MW-8S (870-41739-5)	11/19/25	09:00 Central	G	Water			X	X	X	X	X	2	
FD1 (870-41739-6)	11/19/25	09:30 Central	G	Water			X	X	X	X	X	2	
SFL MW-1S (870-41739-7)	11/19/25	12:25 Central	G	Water			X	X	X	X	X	2	
SFL MW-1S (Contingency) (870-41739-8)	11/19/25	08:55 Central	G	Water			X	X	X	X	X	2	
FD2 (870-41739-9)	11/19/25	10:55 Central	G	Water			X	X	X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		11/20/25 - 700			Received	
	Relinquished by:	Date/Time:	Company	Received by: NOV 20 2025	Date/Time: NOV 21 2025	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: Time: 900	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.3

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41739-1
SDG Number: 10290148

Login Number: 41739
List Number: 1
Creator: Bodnarchuk, Andrew G

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41739-1
SDG Number: 10290148

Login Number: 41739
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 11/21/25 07:53 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41739-1
SDG Number: 10290148

Login Number: 41739
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 11/21/25 01:44 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brad Woodard
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

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JOB DESCRIPTION

Gibbons Creek Electric Steam Station
10290148

JOB NUMBER

870-41825-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

See page two for job notes and contact information.

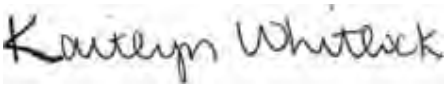
my EOL

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



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Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Project/Site: Gibbons Creek Electric Steam Station

Job ID: 870-41825-1
SDG: 10290148

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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 Narrative
870-41825-1

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 11/21/2025 11:12 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 0.2°C and 0.4°C.

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

Metals
Method 6010D: The method blank for preparation batch 860-278842 and 860-278919 and analytical batch 860-279158 contained Lithium and Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D: The continuing calibration blank (CCB) for analytical batch 860-279158 contained Sodium above the reporting limit (RL). All reported samples associated with this CCB were at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010D - Dissolved: The method blank for preparation batch 860-278842 and 860-279232 and analytical batch 860-279628 contained Lithium and Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D - Dissolved: The following samples were diluted to bring the concentration of target analytes within the calibration range: SFL MW-6D (870-41825-2) and SFL MW-3D (870-41825-3). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: The continuing calibration blank (CCB) for analytical batch 860-279764 contained Antimony above the reporting limit (RL). All reported samples associated with this CCB was ND for this at a concentration found in the CCB; therefore, re-analysis of samples was not performed.

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

General Chemistry
Method SM4500_H+: The following samples were received outside of holding time: SFL MW-4S (870-41825-1), SFL MW-6D (870-41825-2), SFL MW-3D (870-41825-3), SFL MW-5D (870-41825-4), EB1 (870-41825-5) and AP MW-7 (870-41825-6).

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

Gamma Spectroscopy
Method 901.1_Ra: Gamma Batch 747160
The detection goal was not met for Ra-226 and/or Ra-228 for the following sample(s). An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent force-fit of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the Ra-226 and Ra-228 are well below the RL and MDC.
SFL MW-4S (870-41825-1), SFL MW-6D (870-41825-2), SFL MW-5D (870-41825-4), EB1 (870-41825-5) and (880-65255-A-1-A)

Method 901.1_Ra: Gamma Batch 747160

Job ID: 870-41825-1 (Continued) Eurofins Dallas

Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred From	Reported as Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-208m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

SFL MW-4S (870-41825-1), SFL MW-6D (870-41825-2), SFL MW-3D (870-41825-3), SFL MW-5D (870-41825-4), EB1 (870-41825-5), AP MW-7 (870-41825-6), (880-65255-A-1-A) and (880-65255-A-1-B DU)

Method 901.1_Ra: Gamma Batch 747160
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra-226 and Ra-228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following samples have been reported with the MDC achieved:
(MB 160-747160/1-A).

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

Gas Flow Proportional Counter
Method 904.0: Radium-228 batch 747224
The detection goal was not met for the following sample due to the reduced sample volume used for prep attributed to the presence of matrix interferences: SFL MW-6D (870-41825-2). Analytical results are reported with the detection limit achieved.

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

Client Sample ID: SFL MW-4S

Date Collected: 11/19/25 09:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4180		5.00	2.50	mg/L			11/26/25 13:25	10
Fluoride	0.519		0.500	0.100	mg/L			11/26/25 13:18	1
Sulfate	2460		5.00	2.00	mg/L			11/26/25 13:25	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	2.54		0.0500	0.0162	mg/L		12/01/25 09:30	12/01/25 20:23	1
Calcium	955		10.0	5.08	mg/L		12/01/25 09:30	12/01/25 20:26	50
Magnesium	275		0.200	0.0445	mg/L		12/01/25 09:30	12/01/25 20:23	1
Potassium	89.3		0.500	0.106	mg/L		12/01/25 09:30	12/01/25 20:23	1
Sodium	1530	B ^2	25.0	7.59	mg/L		12/01/25 09:30	12/01/25 20:26	50
Lithium	0.957	B	0.0400	0.0174	mg/L		12/01/25 09:30	12/01/25 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4.70		0.0200	0.00549	mg/L		12/01/25 13:28	12/02/25 18:03	1
Antimony	0.00100	J	0.00200	0.000750	mg/L		12/01/25 13:28	12/02/25 18:03	1
Arsenic	0.00539		0.00400	0.000690	mg/L		12/01/25 13:28	12/02/25 18:03	1
Barium	0.0382		0.00400	0.00134	mg/L		12/01/25 13:28	12/02/25 18:03	1
Beryllium	0.0499		0.00200	0.000271	mg/L		12/01/25 13:28	12/02/25 18:03	1
Cadmium	0.0226		0.00200	0.000240	mg/L		12/01/25 13:28	12/02/25 18:03	1
Chromium	0.00184	J	0.00400	0.000560	mg/L		12/01/25 13:28	12/02/25 18:03	1
Cobalt	0.101		0.00200	0.000355	mg/L		12/01/25 13:28	12/02/25 18:03	1
Iron	1.05		0.0200	0.00445	mg/L		12/01/25 13:28	12/02/25 18:03	1
Lead	0.00497		0.00200	0.000367	mg/L		12/01/25 13:28	12/02/25 18:03	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		12/01/25 13:28	12/02/25 18:03	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		12/01/25 13:28	12/02/25 18:03	1
Thallium	0.00471		0.00200	0.000415	mg/L		12/01/25 13:28	12/02/25 18:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/25/25 14:51	1
Total Dissolved Solids (SM 2540C)	7540		50.0	50.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	4.2	HF			SU			12/01/25 14:31	1
Temperature (SM 4500 H+ B)	19.9	HF			Celsius			12/01/25 14:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.44	U	6.30	6.30	50.0	46.3	pCi/L	11/26/25 14:26	12/17/25 08:14	1
Radium-228	29.0	U G	34.8	35.0	50.0	52.1	pCi/L	11/26/25 14:26	12/17/25 08:14	1
Combined Radium 226 + 228	30.4	U	35.4	35.6		52.1	pCi/L	11/26/25 14:26	12/17/25 08:14	1

Client Sample ID: SFL MW-4S

Date Collected: 11/19/25 09:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.65		0.322	0.354	1.00	0.183	pCi/L	12/01/25 08:55	12/23/25 08:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*12/01/25 08:55*	*12/23/25 08:04*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.01		0.947	1.10	1.00	0.735	pCi/L	12/01/25 08:57	12/21/25 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:23*	*1*
Y Carrier	*88.6*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:23*	*1*

Client Sample ID: SFL MW-6D

Date Collected: 11/19/25 10:20
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-2
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1420		5.00	2.50	mg/L			11/26/25 13:40	10
Fluoride	0.246	J	0.500	0.100	mg/L			11/26/25 13:33	1
Sulfate	778		5.00	2.00	mg/L			11/26/25 13:40	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.730		0.0500	0.0162	mg/L		12/03/25 09:00	12/03/25 19:18	1
Calcium	178		0.200	0.102	mg/L		12/03/25 09:00	12/03/25 19:18	1
Magnesium	18.0		0.200	0.0445	mg/L		12/03/25 09:00	12/03/25 19:18	1
Potassium	38.7		0.500	0.106	mg/L		12/03/25 09:00	12/03/25 19:18	1
Sodium	695		25.0	7.59	mg/L		12/03/25 09:00	12/03/25 19:27	50
Lithium	0.249		0.0400	0.0174	mg/L		12/03/25 09:00	12/03/25 19:18	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		12/02/25 10:30	12/03/25 16:28	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		12/02/25 10:30	12/03/25 16:28	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		12/02/25 10:30	12/03/25 16:28	1
Barium	0.0605		0.0100	0.00125	mg/L		12/02/25 10:30	12/03/25 16:28	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		12/02/25 10:30	12/03/25 16:28	1
Boron	0.917		0.0500	0.0162	mg/L		12/02/25 10:30	12/03/25 16:28	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		12/02/25 10:30	12/03/25 16:28	1
Calcium	224		0.200	0.102	mg/L		12/02/25 10:30	12/03/25 16:28	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		12/02/25 10:30	12/03/25 16:28	1
Cobalt	0.00371	J	0.0100	0.00123	mg/L		12/02/25 10:30	12/03/25 16:28	1
Iron	<0.0283	U	0.200	0.0283	mg/L		12/02/25 10:30	12/03/25 16:28	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		12/02/25 10:30	12/03/25 16:28	1
Magnesium	21.5		0.200	0.0445	mg/L		12/02/25 10:30	12/03/25 16:28	1

Client Sample ID: SFL MW-6D

Date Collected: 11/19/25 10:20
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-2

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	**0.0123**		0.0100	0.00260	mg/L		12/02/25 10:30	12/03/25 16:28	1
Potassium	**47.2**		0.500	0.106	mg/L		12/02/25 10:30	12/03/25 16:28	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		12/02/25 10:30	12/03/25 16:28	1
Sodium	**805**	**B**	25.0	7.59	mg/L		12/02/25 10:30	12/03/25 16:33	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		12/02/25 10:30	12/03/25 16:28	1
Li	**0.281**	**B**	0.0400	0.0174	mg/L		12/02/25 10:30	12/03/25 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8.06**		0.0200	0.00549	mg/L		12/01/25 13:28	12/02/25 18:06	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		12/01/25 13:28	12/02/25 18:06	1
Arsenic	**0.00552**		0.00400	0.000690	mg/L		12/01/25 13:28	12/02/25 18:06	1
Barium	**0.0715**		0.00400	0.00134	mg/L		12/01/25 13:28	12/02/25 18:06	1
Beryllium	**0.000880**	**J**	0.00200	0.000271	mg/L		12/01/25 13:28	12/02/25 18:06	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		12/01/25 13:28	12/02/25 18:06	1
Chromium	**0.00672**		0.00400	0.000560	mg/L		12/01/25 13:28	12/02/25 18:06	1
Cobalt	**0.00517**		0.00200	0.000355	mg/L		12/01/25 13:28	12/02/25 18:06	1
Iron	**6.04**		0.0200	0.00445	mg/L		12/01/25 13:28	12/02/25 18:06	1
Lead	**0.00843**		0.00200	0.000367	mg/L		12/01/25 13:28	12/02/25 18:06	1
Molybdenum	**0.0130**		0.00200	0.000255	mg/L		12/01/25 13:28	12/02/25 18:06	1
Selenium	**0.000622**	**J**	0.00200	0.000590	mg/L		12/01/25 13:28	12/02/25 18:06	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		12/01/25 13:28	12/02/25 18:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:34	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/30/25 16:50	12/01/25 21:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**182**		4.00	4.00	mg/L			11/25/25 17:34	1
Total Dissolved Solids (SM 2540C)	**2970**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**6.9**	**HF**			SU			12/01/25 14:31	1
Temperature (SM 4500 H+ B)	**20.1**	**HF**			Celsius			12/01/25 14:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	15.4	U G	33.8	33.9	50.0	89.6	pCi/L	11/26/25 14:26	12/17/25 09:52	1
Radium-228	-5.13	U G	9.88	9.89	50.0	92.2	pCi/L	11/26/25 14:26	12/17/25 09:52	1
Combined Radium 226 + 228	10.2	U	35.2	35.3		92.2	pCi/L	11/26/25 14:26	12/17/25 09:52	1

Client Sample ID: SFL MW-6D

Date Collected: 11/19/25 10:20
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-2

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.23**		0.409	0.424	1.00	0.375	pCi/L	12/01/25 08:55	12/23/25 09:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*12/01/25 08:55*	*12/23/25 09:58*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.69**	**G**	1.10	1.12	1.00	1.41	pCi/L	12/01/25 08:57	12/21/25 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:23*	*1*
Y Carrier	*87.9*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:23*	*1*

Client Sample ID: SFL MW-3D

Date Collected: 11/20/25 09:55
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-3

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1960**		5.00	2.50	mg/L			11/26/25 13:55	10
Fluoride	<0.100	U	0.500	0.100	mg/L			11/26/25 13:47	1
Sulfate	**1050**		5.00	2.00	mg/L			11/26/25 13:55	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.758**		0.0500	0.0162	mg/L		12/03/25 09:00	12/03/25 19:21	1
Calcium	**372**		0.200	0.102	mg/L		12/03/25 09:00	12/03/25 19:21	1
Magnesium	**55.2**		0.200	0.0445	mg/L		12/03/25 09:00	12/03/25 19:21	1
Potassium	**45.5**		0.500	0.106	mg/L		12/03/25 09:00	12/03/25 19:21	1
Sodium	**845**		25.0	7.59	mg/L		12/03/25 09:00	12/03/25 19:28	50
Lithium	**0.330**		0.0400	0.0174	mg/L		12/03/25 09:00	12/03/25 19:21	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		12/02/25 10:30	12/03/25 16:30	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		12/02/25 10:30	12/03/25 16:30	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		12/02/25 10:30	12/03/25 16:30	1
Barium	**0.0357**		0.0100	0.00125	mg/L		12/02/25 10:30	12/03/25 16:30	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		12/02/25 10:30	12/03/25 16:30	1
Boron	**0.849**		0.0500	0.0162	mg/L		12/02/25 10:30	12/03/25 16:30	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		12/02/25 10:30	12/03/25 16:30	1
Calcium	**417**		0.200	0.102	mg/L		12/02/25 10:30	12/03/25 16:30	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		12/02/25 10:30	12/03/25 16:30	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		12/02/25 10:30	12/03/25 16:30	1
Iron	**3.04**		0.200	0.0283	mg/L		12/02/25 10:30	12/03/25 16:30	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		12/02/25 10:30	12/03/25 16:30	1
Magnesium	**61.4**		0.200	0.0445	mg/L		12/02/25 10:30	12/03/25 16:30	1

Client Sample ID: SFL MW-3D

Date Collected: 11/20/25 09:55
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-3

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		12/02/25 10:30	12/03/25 16:30	1
Potassium	**51.0**		0.500	0.106	mg/L		12/02/25 10:30	12/03/25 16:30	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		12/02/25 10:30	12/03/25 16:30	1
Sodium	**905**	**B**	25.0	7.59	mg/L		12/02/25 10:30	12/03/25 16:34	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		12/02/25 10:30	12/03/25 16:30	1
Li	**0.319**	**B**	0.0400	0.0174	mg/L		12/02/25 10:30	12/03/25 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.218**		0.0200	0.00549	mg/L		12/01/25 13:28	12/02/25 18:09	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		12/01/25 13:28	12/02/25 18:09	1
Arsenic	**0.00211**	**J**	0.00400	0.000690	mg/L		12/01/25 13:28	12/02/25 18:09	1
Barium	**0.0322**		0.00400	0.00134	mg/L		12/01/25 13:28	12/02/25 18:09	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		12/01/25 13:28	12/02/25 18:09	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		12/01/25 13:28	12/02/25 18:09	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		12/01/25 13:28	12/02/25 18:09	1
Cobalt	**0.000360**	**J**	0.00200	0.000355	mg/L		12/01/25 13:28	12/02/25 18:09	1
Iron	**3.12**		0.0200	0.00445	mg/L		12/01/25 13:28	12/02/25 18:09	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		12/01/25 13:28	12/02/25 18:09	1
Molybdenum	**0.000576**	**J**	0.00200	0.000255	mg/L		12/01/25 13:28	12/02/25 18:09	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		12/01/25 13:28	12/02/25 18:09	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		12/01/25 13:28	12/02/25 18:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:33	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/25/25 23:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**196**		4.00	4.00	mg/L			11/25/25 17:28	1
Total Dissolved Solids (SM 2540C)	**4100**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**6.4**	**HF**			SU			12/01/25 14:31	1
Temperature (SM 4500 H+ B)	**19.5**	**HF**			Celsius			12/01/25 14:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	21.8	U	15.9	16.0	50.0	23.9	pCi/L	11/26/25 14:26	12/17/25 09:52	1
Radium-228	2.77	U	25.1	25.1	50.0	43.2	pCi/L	11/26/25 14:26	12/17/25 09:52	1
Combined Radium 226 + 228	24.6	U	29.7	29.8		43.2	pCi/L	11/26/25 14:26	12/17/25 09:52	1

Client Sample ID: SFL MW-3D

Date Collected: 11/20/25 09:55
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.564		0.195	0.202	1.00	0.191	pCi/L	12/01/25 08:55	12/23/25 09:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*30 - 110*	*12/01/25 08:55*	*12/23/25 09:58*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.956		0.545	0.552	1.00	0.791	pCi/L	12/01/25 08:57	12/21/25 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:23*	*1*
Y Carrier	*82.6*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:23*	*1*

Client Sample ID: SFL MW-5D

Date Collected: 11/20/25 12:35
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-4
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		5.00	2.50	mg/L			11/26/25 14:09	10
Fluoride	0.312	J	0.500	0.100	mg/L			11/26/25 14:02	1
Sulfate	849		5.00	2.00	mg/L			11/26/25 14:09	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.14		0.0500	0.0162	mg/L		12/03/25 09:00	12/03/25 19:22	1
Calcium	162		0.200	0.102	mg/L		12/03/25 09:00	12/03/25 19:22	1
Magnesium	17.8		0.200	0.0445	mg/L		12/03/25 09:00	12/03/25 19:22	1
Potassium	39.0		0.500	0.106	mg/L		12/03/25 09:00	12/03/25 19:22	1
Sodium	805		25.0	7.59	mg/L		12/03/25 09:00	12/03/25 19:30	50
Lithium	0.326		0.0400	0.0174	mg/L		12/03/25 09:00	12/03/25 19:22	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		12/03/25 09:00	12/03/25 20:07	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		12/03/25 09:00	12/03/25 20:07	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		12/03/25 09:00	12/03/25 20:07	1
Barium	0.0397		0.0100	0.00125	mg/L		12/03/25 09:00	12/03/25 20:07	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		12/03/25 09:00	12/03/25 20:07	1
Boron	1.17		0.0500	0.0162	mg/L		12/03/25 09:00	12/03/25 20:07	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		12/03/25 09:00	12/03/25 20:07	1
Calcium	164		0.200	0.102	mg/L		12/03/25 09:00	12/03/25 20:07	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		12/03/25 09:00	12/03/25 20:07	1
Cobalt	0.00385	J	0.0100	0.00123	mg/L		12/03/25 09:00	12/03/25 20:07	1
Iron	0.567		0.200	0.0283	mg/L		12/03/25 09:00	12/03/25 20:07	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		12/03/25 09:00	12/03/25 20:07	1
Magnesium	17.9		0.200	0.0445	mg/L		12/03/25 09:00	12/03/25 20:07	1

Client Sample ID: SFL MW-5D

Date Collected: 11/20/25 12:35
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-4

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		12/03/25 09:00	12/03/25 20:07	1
Potassium	**39.7**		0.500	0.106	mg/L		12/03/25 09:00	12/03/25 20:07	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		12/03/25 09:00	12/03/25 20:07	1
Sodium	**835**		25.0	7.59	mg/L		12/03/25 09:00	12/03/25 20:15	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		12/03/25 09:00	12/03/25 20:07	1
Li	**0.338**		0.0400	0.0174	mg/L		12/03/25 09:00	12/03/25 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.219**		0.0200	0.00549	mg/L		12/01/25 13:28	12/02/25 18:12	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		12/01/25 13:28	12/02/25 18:12	1
Arsenic	**0.00551**		0.00400	0.000690	mg/L		12/01/25 13:28	12/02/25 18:12	1
Barium	**0.0427**		0.00400	0.00134	mg/L		12/01/25 13:28	12/02/25 18:12	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		12/01/25 13:28	12/02/25 18:12	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		12/01/25 13:28	12/02/25 18:12	1
Chromium	**0.000907**	**J**	0.00400	0.000560	mg/L		12/01/25 13:28	12/02/25 18:12	1
Cobalt	**0.00314**		0.00200	0.000355	mg/L		12/01/25 13:28	12/02/25 18:12	1
Iron	**0.986**		0.0200	0.00445	mg/L		12/01/25 13:28	12/02/25 18:12	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		12/01/25 13:28	12/02/25 18:12	1
Molybdenum	**0.00723**		0.00200	0.000255	mg/L		12/01/25 13:28	12/02/25 18:12	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		12/01/25 13:28	12/02/25 18:12	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		12/01/25 13:28	12/02/25 18:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:29	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		12/02/25 09:19	12/02/25 22:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**260**		4.00	4.00	mg/L			11/25/25 14:56	1
Total Dissolved Solids (SM 2540C)	**3020**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**7.3**	**HF**			SU			12/01/25 14:31	1
Temperature (SM 4500 H+ B)	**19.2**	**HF**			Celsius			12/01/25 14:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	27.9	U G	15.1	15.4	50.0	62.2	pCi/L	11/26/25 14:26	12/17/25 09:52	1
Radium-228	-1.59	U G	42.4	42.4	50.0	70.4	pCi/L	11/26/25 14:26	12/17/25 09:52	1
Combined Radium 226 + 228	26.3	U	45.0	45.1		70.4	pCi/L	11/26/25 14:26	12/17/25 09:52	1

Client Sample ID: SFL MW-5D

Lab Sample ID: 870-41825-4
Date Collected: 11/20/25 12:35
Matrix: Water
Date Received: 11/21/25 11:12

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.540**		0.222	0.227	1.00	0.237	pCi/L	12/01/25 08:55	12/23/25 09:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*12/01/25 08:55*	*12/23/25 09:58*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.46**		0.650	0.664	1.00	0.867	pCi/L	12/01/25 08:57	12/21/25 13:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:24*	*1*
Y Carrier	*87.1*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:24*	*1*

Client Sample ID: EB1

Lab Sample ID: 870-41825-5
Date Collected: 11/20/25 14:00
Matrix: Water
Date Received: 11/21/25 11:12

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			12/01/25 17:33	1
Fluoride	<0.100	U	0.500	0.100	mg/L			12/01/25 17:33	1
Sulfate	<0.200	U	0.500	0.200	mg/L			12/01/25 17:33	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		12/03/25 09:00	12/03/25 19:24	1
Calcium	<0.102	U	0.200	0.102	mg/L		12/03/25 09:00	12/03/25 19:24	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		12/03/25 09:00	12/03/25 19:24	1
Potassium	**0.131**	**J**	0.500	0.106	mg/L		12/03/25 09:00	12/03/25 19:24	1
Sodium	**1.14**		0.500	0.152	mg/L		12/03/25 09:00	12/03/25 19:24	1
Lithium	**0.0185**	**J**	0.0400	0.0174	mg/L		12/03/25 09:00	12/03/25 19:24	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		12/02/25 10:30	12/03/25 16:31	1
Antimony	**0.00857**	**J**	0.0200	0.00803	mg/L		12/02/25 10:30	12/03/25 16:31	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		12/02/25 10:30	12/03/25 16:31	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		12/02/25 10:30	12/03/25 16:31	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		12/02/25 10:30	12/03/25 16:31	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		12/02/25 10:30	12/03/25 16:31	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		12/02/25 10:30	12/03/25 16:31	1
Calcium	<0.102	U	0.200	0.102	mg/L		12/02/25 10:30	12/03/25 16:31	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		12/02/25 10:30	12/03/25 16:31	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		12/02/25 10:30	12/03/25 16:31	1
Iron	<0.0283	U	0.200	0.0283	mg/L		12/02/25 10:30	12/03/25 16:31	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		12/02/25 10:30	12/03/25 16:31	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		12/02/25 10:30	12/03/25 16:31	1

Client Sample ID: EB1

Date Collected: 11/20/25 14:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-5

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		12/02/25 10:30	12/03/25 16:31	1
Potassium	**0.148**	**J**	0.500	0.106	mg/L		12/02/25 10:30	12/03/25 16:31	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		12/02/25 10:30	12/03/25 16:31	1
Sodium	**1.28**	**B**	0.500	0.152	mg/L		12/02/25 10:30	12/03/25 16:31	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		12/02/25 10:30	12/03/25 16:31	1
Li	<0.0174	U	0.0400	0.0174	mg/L		12/02/25 10:30	12/03/25 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		12/01/25 13:28	12/02/25 18:18	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		12/01/25 13:28	12/02/25 18:18	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		12/01/25 13:28	12/02/25 18:18	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		12/01/25 13:28	12/02/25 18:18	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		12/01/25 13:28	12/02/25 18:18	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		12/01/25 13:28	12/02/25 18:18	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		12/01/25 13:28	12/02/25 18:18	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		12/01/25 13:28	12/02/25 18:18	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		12/01/25 13:28	12/02/25 18:18	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		12/01/25 13:28	12/02/25 18:18	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		12/01/25 13:28	12/02/25 18:18	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		12/01/25 13:28	12/02/25 18:18	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		12/01/25 13:28	12/02/25 18:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:35	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			11/25/25 17:23	1
Total Dissolved Solids (SM 2540C)	**5.00**		2.50	2.50	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**7.7**	**HF**			SU			12/01/25 14:31	1
Temperature (SM 4500 H+ B)	**19.2**	**HF**			Celsius			12/01/25 14:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.35	U G	43.3	43.3	50.0	73.6	pCi/L	11/26/25 14:26	12/17/25 09:53	1
Radium-228	-7.37	U G	27.7	27.7	50.0	53.8	pCi/L	11/26/25 14:26	12/17/25 09:53	1
Combined Radium 226 + 228	-4.02	U	51.4	51.4		73.6	pCi/L	11/26/25 14:26	12/17/25 09:53	1

Client Sample ID: EB1

Date Collected: 11/20/25 14:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00684	U	0.0864	0.0864	1.00	0.187	pCi/L	12/01/25 08:55	12/23/25 09:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*12/01/25 08:55*	*12/23/25 09:58*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.671**		0.359	0.364	1.00	0.501	pCi/L	12/01/25 08:57	12/21/25 10:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*12/01/25 08:57*	*12/21/25 10:46*	*1*
Y Carrier	*88.2*		*30 - 110*	*12/01/25 08:57*	*12/21/25 10:46*	*1*

Client Sample ID: AP MW-7

Date Collected: 11/20/25 16:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-6
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1050**		5.00	2.50	mg/L			12/01/25 17:55	10
Fluoride	**0.137**	**J**	0.500	0.100	mg/L			12/01/25 17:48	1
Sulfate	**1190**		5.00	2.00	mg/L			12/01/25 17:55	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.879**		0.0500	0.0162	mg/L		12/03/25 09:00	12/03/25 19:25	1
Calcium	**341**		0.200	0.102	mg/L		12/03/25 09:00	12/03/25 19:25	1
Magnesium	**53.3**		0.200	0.0445	mg/L		12/03/25 09:00	12/03/25 19:25	1
Potassium	**45.1**		0.500	0.106	mg/L		12/03/25 09:00	12/03/25 19:25	1
Sodium	**645**		25.0	7.59	mg/L		12/03/25 09:00	12/03/25 19:33	50
Lithium	**0.390**		0.0400	0.0174	mg/L		12/03/25 09:00	12/03/25 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0145**	**J**	0.0200	0.00549	mg/L		12/01/25 13:28	12/02/25 18:15	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		12/01/25 13:28	12/02/25 18:15	1
Arsenic	**0.0136**		0.00400	0.000690	mg/L		12/01/25 13:28	12/02/25 18:15	1
Barium	**0.0490**		0.00400	0.00134	mg/L		12/01/25 13:28	12/02/25 18:15	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		12/01/25 13:28	12/02/25 18:15	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		12/01/25 13:28	12/02/25 18:15	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		12/01/25 13:28	12/02/25 18:15	1
Cobalt	**0.00266**		0.00200	0.000355	mg/L		12/01/25 13:28	12/02/25 18:15	1
Iron	**1.08**		0.0200	0.00445	mg/L		12/01/25 13:28	12/02/25 18:15	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		12/01/25 13:28	12/02/25 18:15	1
Molybdenum	**0.0104**		0.00200	0.000255	mg/L		12/01/25 13:28	12/02/25 18:15	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		12/01/25 13:28	12/02/25 18:15	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		12/01/25 13:28	12/02/25 18:15	1

Client Sample ID: AP MW-7

Date Collected: 11/20/25 16:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-6

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/26/25 00:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**255**		4.00	4.00	mg/L			12/01/25 16:36	1
Total Dissolved Solids (SM 2540C)	**3120**		20.0	20.0	mg/L			11/24/25 16:29	1
pH (SM 4500 H+ B)	**6.9**	**HF**			SU			12/01/25 14:31	1
Temperature (SM 4500 H+ B)	**19.1**	**HF**			Celsius			12/01/25 14:31	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**40.5**		20.7	21.1	50.0	26.5	pCi/L	11/26/25 14:26	12/17/25 09:53	1
Radium-228	29.9	U	28.7	28.9	50.0	48.4	pCi/L	11/26/25 14:26	12/17/25 09:53	1
Combined Radium 226 + 228	**70.4**		35.4	35.8		48.4	pCi/L	11/26/25 14:26	12/17/25 09:53	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.699**		0.219	0.227	1.00	0.198	pCi/L	12/01/25 08:55	12/23/25 08:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*12/01/25 08:55*	*12/23/25 08:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.10**		0.504	0.514	1.00	0.667	pCi/L	12/01/25 08:57	12/21/25 13:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:24*	*1*
Y Carrier	*86.7*		*30 - 110*	*12/01/25 08:57*	*12/21/25 13:24*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Gibbons Creek Electric Steam Station

Job ID: 870-41825-1
SDG: 10290148

Method: 903.0 - Radium-226 (GFPC)

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

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
870-41825-1	SFL MW-4S	78.7
870-41825-2	SFL MW-6D	84.0
870-41825-3	SFL MW-3D	88.2
870-41825-4	SFL MW-5D	91.6
870-41825-5	EB1	84.9
870-41825-6	AP MW-7	84.6
LCS 160-747223/2-A	Lab Control Sample	80.4
MB 160-747223/1-A	Method Blank	80.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

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

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
870-41825-1	SFL MW-4S	78.7	88.6
870-41825-2	SFL MW-6D	84.0	87.9
870-41825-3	SFL MW-3D	88.2	82.6
870-41825-4	SFL MW-5D	91.6	87.1
870-41825-5	EB1	84.9	88.2
870-41825-6	AP MW-7	84.6	86.7
LCS 160-747224/2-A	Lab Control Sample	80.4	83.4
MB 160-747224/1-A	Method Blank	80.7	80.7

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-278475/3
Matrix: Water
Analysis Batch: 278475

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			11/26/25 10:14	1
Fluoride	<0.100	U	0.500	0.100	mg/L			11/26/25 10:14	1
Sulfate	<0.200	U	0.500	0.200	mg/L			11/26/25 10:14	1

Lab Sample ID: LCS 860-278475/4
Matrix: Water
Analysis Batch: 278475

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.04		mg/L		100	90 - 110
Fluoride	10.0	10.63		mg/L		106	90 - 110
Sulfate	10.0	9.114		mg/L		91	90 - 110

Lab Sample ID: LCSD 860-278475/5
Matrix: Water
Analysis Batch: 278475

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
Chloride	10.0	10.07		mg/L		101	90 - 110	0	20
Fluoride	10.0	10.63		mg/L		106	90 - 110	0	20
Sulfate	10.0	9.146		mg/L		91	90 - 110	0	20

Lab Sample ID: LLCS 860-278475/7
Matrix: Water
Analysis Batch: 278475

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.7413		mg/L		148	50 - 150
Fluoride	0.500	0.4906	J	mg/L		98	50 - 150

Lab Sample ID: MB 860-278922/44
Matrix: Water
Analysis Batch: 278922

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			12/01/25 16:12	1
Fluoride	<0.100	U	0.500	0.100	mg/L			12/01/25 16:12	1
Sulfate	<0.200	U	0.500	0.200	mg/L			12/01/25 16:12	1

Lab Sample ID: LCS 860-278922/45
Matrix: Water
Analysis Batch: 278922

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.993		mg/L		100	90 - 110
Fluoride	10.0	10.34		mg/L		103	90 - 110
Sulfate	10.0	9.055		mg/L		91	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-278922/46
Matrix: Water
Analysis Batch: 278922

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
Chloride			10.0	9.976		mg/L		100	90 - 110	0	20
Fluoride			10.0	10.29		mg/L		103	90 - 110	1	20
Sulfate			10.0	9.056		mg/L		91	90 - 110	0	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-278842/25-B
Matrix: Water
Analysis Batch: 279158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0162	U	0.0500	0.0162	mg/L		12/01/25 09:30	12/01/25 19:58	1
Calcium	<0.102	U	0.200	0.102	mg/L		12/01/25 09:30	12/01/25 19:58	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		12/01/25 09:30	12/01/25 19:58	1
Potassium	<0.106	U	0.500	0.106	mg/L		12/01/25 09:30	12/01/25 19:58	1
Sodium	0.3620	J	0.500	0.152	mg/L		12/01/25 09:30	12/01/25 19:58	1
Lithium	0.03460	J	0.0400	0.0174	mg/L		12/01/25 09:30	12/01/25 19:58	1

Lab Sample ID: LCS 860-278842/26-B
Matrix: Water
Analysis Batch: 279158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278919

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.00	1.010		mg/L		101	80 - 120		
Calcium			25.0	26.20		mg/L		105	80 - 120		
Magnesium			25.0	25.50		mg/L		102	80 - 120		
Potassium			10.0	10.50		mg/L		105	80 - 120		
Sodium			25.0	26.30		mg/L		105	80 - 120		
Lithium			1.00	1.040		mg/L		104	80 - 120		

Lab Sample ID: LCSD 860-278842/27-B
Matrix: Water
Analysis Batch: 279158

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278919

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron			1.00	1.010		mg/L		101	80 - 120	0	20
Calcium			25.0	26.30		mg/L		105	80 - 120	0	20
Magnesium			25.0	25.60		mg/L		102	80 - 120	0	20
Potassium			10.0	10.60		mg/L		106	80 - 120	1	20
Sodium			25.0	26.40		mg/L		106	80 - 120	0	20
Lithium			1.00	1.040		mg/L		104	80 - 120	0	20

Lab Sample ID: MB 860-279462/1-A
Matrix: Water
Analysis Batch: 279764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 279462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		12/03/25 09:00	12/03/25 19:00	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		12/03/25 09:00	12/03/25 19:00	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		12/03/25 09:00	12/03/25 19:00	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 860-279462/1-A
Matrix: Water
Analysis Batch: 279764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 279462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00125	U	0.0100	0.00125	mg/L		12/03/25 09:00	12/03/25 19:00	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		12/03/25 09:00	12/03/25 19:00	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		12/03/25 09:00	12/03/25 19:00	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		12/03/25 09:00	12/03/25 19:00	1
Calcium	<0.102	U	0.200	0.102	mg/L		12/03/25 09:00	12/03/25 19:00	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		12/03/25 09:00	12/03/25 19:00	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		12/03/25 09:00	12/03/25 19:00	1
Iron	<0.0283	U	0.200	0.0283	mg/L		12/03/25 09:00	12/03/25 19:00	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		12/03/25 09:00	12/03/25 19:00	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		12/03/25 09:00	12/03/25 19:00	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		12/03/25 09:00	12/03/25 19:00	1
Potassium	<0.106	U	0.500	0.106	mg/L		12/03/25 09:00	12/03/25 19:00	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		12/03/25 09:00	12/03/25 19:00	1
Sodium	<0.152	U	0.500	0.152	mg/L		12/03/25 09:00	12/03/25 19:00	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		12/03/25 09:00	12/03/25 19:00	1
Li	<0.0174	U	0.0400	0.0174	mg/L		12/03/25 09:00	12/03/25 19:00	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		12/03/25 09:00	12/03/25 19:00	1

Lab Sample ID: LCS 860-279462/2-A
Matrix: Water
Analysis Batch: 279764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 279462

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.950		mg/L		99	80 - 120
Antimony	1.00	0.8890		mg/L		89	80 - 120
Arsenic	1.00	1.030		mg/L		103	80 - 120
Barium	1.00	1.040		mg/L		104	80 - 120
Beryllium	1.00	1.050		mg/L		105	80 - 120
Boron	1.00	0.9830		mg/L		98	80 - 120
Cadmium	1.00	1.030		mg/L		103	80 - 120
Calcium	25.0	25.20		mg/L		101	80 - 120
Chromium	1.00	1.030		mg/L		103	80 - 120
Cobalt	1.00	1.030		mg/L		103	80 - 120
Iron	5.00	5.020		mg/L		100	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120
Magnesium	25.0	24.30		mg/L		97	80 - 120
Molybdenum	1.00	1.010		mg/L		101	80 - 120
Potassium	10.0	9.820		mg/L		98	80 - 120
Selenium	1.00	1.030		mg/L		103	80 - 120
Sodium	25.0	24.40		mg/L		98	80 - 120
Thallium	1.00	1.060		mg/L		106	80 - 120
Li	1.00	0.9580		mg/L		96	80 - 120
Lithium	1.00	0.9580		mg/L		96	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-279462/3-A
Matrix: Water
Analysis Batch: 279764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 279462

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			5.00	4.930		mg/L		99	80 - 120	0	20
Antimony			1.00	0.9510		mg/L		95	80 - 120	7	20
Arsenic			1.00	1.030		mg/L		103	80 - 120	0	20
Barium			1.00	1.040		mg/L		104	80 - 120	0	20
Beryllium			1.00	1.040		mg/L		104	80 - 120	1	20
Boron			1.00	0.9740		mg/L		97	80 - 120	1	20
Cadmium			1.00	1.020		mg/L		102	80 - 120	1	20
Calcium			25.0	25.10		mg/L		100	80 - 120	0	20
Chromium			1.00	1.020		mg/L		102	80 - 120	1	20
Cobalt			1.00	1.030		mg/L		103	80 - 120	0	20
Iron			5.00	4.990		mg/L		100	80 - 120	1	20
Lead			1.00	1.010		mg/L		101	80 - 120	0	20
Magnesium			25.0	24.20		mg/L		97	80 - 120	0	20
Molybdenum			1.00	1.010		mg/L		101	80 - 120	0	20
Potassium			10.0	9.780		mg/L		98	80 - 120	0	20
Selenium			1.00	1.050		mg/L		105	80 - 120	2	20
Sodium			25.0	24.30		mg/L		97	80 - 120	0	20
Thallium			1.00	1.050		mg/L		105	80 - 120	1	20
Li			1.00	0.9590		mg/L		96	80 - 120	0	20
Lithium			1.00	0.9590		mg/L		96	80 - 120	0	20

Lab Sample ID: MB 860-278842/25-D
Matrix: Water
Analysis Batch: 279628

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 279232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		12/02/25 10:30	12/03/25 15:31	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		12/02/25 10:30	12/03/25 15:31	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		12/02/25 10:30	12/03/25 15:31	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		12/02/25 10:30	12/03/25 15:31	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		12/02/25 10:30	12/03/25 15:31	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		12/02/25 10:30	12/03/25 15:31	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		12/02/25 10:30	12/03/25 15:31	1
Calcium	<0.102	U	0.200	0.102	mg/L		12/02/25 10:30	12/03/25 15:31	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		12/02/25 10:30	12/03/25 15:31	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		12/02/25 10:30	12/03/25 15:31	1
Iron	<0.0283	U	0.200	0.0283	mg/L		12/02/25 10:30	12/03/25 15:31	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		12/02/25 10:30	12/03/25 15:31	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		12/02/25 10:30	12/03/25 15:31	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		12/02/25 10:30	12/03/25 15:31	1
Potassium	<0.106	U	0.500	0.106	mg/L		12/02/25 10:30	12/03/25 15:31	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		12/02/25 10:30	12/03/25 15:31	1
Sodium	0.2320	J	0.500	0.152	mg/L		12/02/25 10:30	12/03/25 15:31	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		12/02/25 10:30	12/03/25 15:31	1
Li	0.02750	J	0.0400	0.0174	mg/L		12/02/25 10:30	12/03/25 15:31	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-278842/26-D
Matrix: Water
Analysis Batch: 279628

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 279232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.900		mg/L		98	80 - 120
Antimony	1.00	0.8770		mg/L		88	80 - 120
Arsenic	1.00	1.010		mg/L		101	80 - 120
Barium	1.00	1.030		mg/L		103	80 - 120
Beryllium	1.00	1.030		mg/L		103	80 - 120
Boron	1.00	0.9720		mg/L		97	80 - 120
Cadmium	1.00	1.010		mg/L		101	80 - 120
Calcium	25.0	25.20		mg/L		101	80 - 120
Chromium	1.00	1.020		mg/L		102	80 - 120
Cobalt	1.00	1.010		mg/L		101	80 - 120
Iron	5.00	4.950		mg/L		99	80 - 120
Lead	1.00	0.9980		mg/L		100	80 - 120
Magnesium	25.0	24.20		mg/L		97	80 - 120
Molybdenum	1.00	0.9960		mg/L		100	80 - 120
Potassium	10.0	9.840		mg/L		98	80 - 120
Selenium	1.00	1.020		mg/L		102	80 - 120
Sodium	25.0	24.50		mg/L		98	80 - 120
Thallium	1.00	1.040		mg/L		104	80 - 120
Li	1.00	0.9620		mg/L		96	80 - 120

Lab Sample ID: LCSD 860-278842/27-D
Matrix: Water
Analysis Batch: 279628

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 279232

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.910		mg/L		98	80 - 120	0	20
Antimony	1.00	0.9520		mg/L		95	80 - 120	8	20
Arsenic	1.00	1.000		mg/L		100	80 - 120	1	20
Barium	1.00	1.030		mg/L		103	80 - 120	0	20
Beryllium	1.00	1.040		mg/L		104	80 - 120	1	20
Boron	1.00	0.9740		mg/L		97	80 - 120	0	20
Cadmium	1.00	1.020		mg/L		102	80 - 120	1	20
Calcium	25.0	25.20		mg/L		101	80 - 120	0	20
Chromium	1.00	1.020		mg/L		102	80 - 120	0	20
Cobalt	1.00	1.020		mg/L		102	80 - 120	1	20
Iron	5.00	4.960		mg/L		99	80 - 120	0	20
Lead	1.00	0.9980		mg/L		100	80 - 120	0	20
Magnesium	25.0	24.20		mg/L		97	80 - 120	0	20
Molybdenum	1.00	1.010		mg/L		101	80 - 120	1	20
Potassium	10.0	9.830		mg/L		98	80 - 120	0	20
Selenium	1.00	1.040		mg/L		104	80 - 120	2	20
Sodium	25.0	24.50		mg/L		98	80 - 120	0	20
Thallium	1.00	1.040		mg/L		104	80 - 120	0	20
Li	1.00	0.9660		mg/L		97	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LB 860-278837/1-B
Matrix: Water
Analysis Batch: 279425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278995

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0275	U	0.100	0.0275	mg/L		12/01/25 13:28	12/02/25 16:58	1
Antimony	<0.00375	U	0.0100	0.00375	mg/L		12/01/25 13:28	12/02/25 16:58	1
Arsenic	<0.00345	U	0.0200	0.00345	mg/L		12/01/25 13:28	12/02/25 16:58	1
Barium	<0.00671	U	0.0200	0.00671	mg/L		12/01/25 13:28	12/02/25 16:58	1
Beryllium	<0.00136	U	0.0100	0.00136	mg/L		12/01/25 13:28	12/02/25 16:58	1
Cadmium	<0.00120	U	0.0100	0.00120	mg/L		12/01/25 13:28	12/02/25 16:58	1
Chromium	<0.00280	U	0.0200	0.00280	mg/L		12/01/25 13:28	12/02/25 16:58	1
Cobalt	<0.00178	U	0.0100	0.00178	mg/L		12/01/25 13:28	12/02/25 16:58	1
Iron	<0.0223	U	0.100	0.0223	mg/L		12/01/25 13:28	12/02/25 16:58	1
Lead	<0.00184	U	0.0100	0.00184	mg/L		12/01/25 13:28	12/02/25 16:58	1
Molybdenum	0.002104	J	0.0100	0.00128	mg/L		12/01/25 13:28	12/02/25 16:58	1
Selenium	<0.00295	U	0.0100	0.00295	mg/L		12/01/25 13:28	12/02/25 16:58	1
Thallium	<0.00208	U	0.0100	0.00208	mg/L		12/01/25 13:28	12/02/25 16:58	1

Lab Sample ID: MB 860-278995/1-A
Matrix: Water
Analysis Batch: 279425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00549	U	0.0200	0.00549	mg/L		12/01/25 13:28	12/02/25 16:49	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		12/01/25 13:28	12/02/25 16:49	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		12/01/25 13:28	12/02/25 16:49	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		12/01/25 13:28	12/02/25 16:49	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		12/01/25 13:28	12/02/25 16:49	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		12/01/25 13:28	12/02/25 16:49	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		12/01/25 13:28	12/02/25 16:49	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		12/01/25 13:28	12/02/25 16:49	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		12/01/25 13:28	12/02/25 16:49	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		12/01/25 13:28	12/02/25 16:49	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		12/01/25 13:28	12/02/25 16:49	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		12/01/25 13:28	12/02/25 16:49	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		12/01/25 13:28	12/02/25 16:49	1

Lab Sample ID: LCS 860-278995/2-A
Matrix: Water
Analysis Batch: 279425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.5377		mg/L		108	80 - 120
Antimony	0.100	0.1034		mg/L		103	80 - 120
Arsenic	0.100	0.1056		mg/L		106	80 - 120
Barium	0.100	0.1029		mg/L		103	80 - 120
Beryllium	0.100	0.1020		mg/L		102	80 - 120
Cadmium	0.100	0.1045		mg/L		104	80 - 120
Chromium	0.100	0.1061		mg/L		106	80 - 120
Cobalt	0.100	0.1046		mg/L		105	80 - 120
Iron	0.500	0.5282		mg/L		106	80 - 120
Lead	0.100	0.1053		mg/L		105	80 - 120
Molybdenum	0.100	0.1030		mg/L		103	80 - 120

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

Lab Sample ID: LCS 860-278995/2-A
Matrix: Water
Analysis Batch: 279425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.1064		mg/L		106	80 - 120
Thallium	0.100	0.1080		mg/L		108	80 - 120

Lab Sample ID: LCSD 860-278995/3-A
Matrix: Water
Analysis Batch: 279425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.5452		mg/L		109	80 - 120	1	20
Antimony	0.100	0.1048		mg/L		105	80 - 120	1	20
Arsenic	0.100	0.1059		mg/L		106	80 - 120	0	20
Barium	0.100	0.1041		mg/L		104	80 - 120	1	20
Beryllium	0.100	0.1029		mg/L		103	80 - 120	1	20
Cadmium	0.100	0.1046		mg/L		105	80 - 120	0	20
Chromium	0.100	0.1067		mg/L		107	80 - 120	1	20
Cobalt	0.100	0.1051		mg/L		105	80 - 120	1	20
Iron	0.500	0.5307		mg/L		106	80 - 120	0	20
Lead	0.100	0.1057		mg/L		106	80 - 120	0	20
Molybdenum	0.100	0.1045		mg/L		104	80 - 120	1	20
Selenium	0.100	0.1058		mg/L		106	80 - 120	1	20
Thallium	0.100	0.1079		mg/L		108	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 860-278207/10-A
Matrix: Water
Analysis Batch: 278425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/25/25 11:07	11/25/25 23:44	1

Lab Sample ID: LCS 860-278207/11-A
Matrix: Water
Analysis Batch: 278425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.002200		mg/L		110	80 - 120

Lab Sample ID: LCSD 860-278207/12-A
Matrix: Water
Analysis Batch: 278425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278207

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002030		mg/L		101	80 - 120	8	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 860-278850/10-A
Matrix: Water
Analysis Batch: 279120

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		11/30/25 16:50	12/01/25 20:56	1

Lab Sample ID: LCS 860-278850/11-A
Matrix: Water
Analysis Batch: 279120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.002033		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-278850/12-A
Matrix: Water
Analysis Batch: 279120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 278850

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.002026		mg/L		101	80 - 120	0	20

Lab Sample ID: MB 860-279172/10-A
Matrix: Water
Analysis Batch: 279429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 279172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		12/02/25 09:19	12/02/25 21:20	1

Lab Sample ID: LCS 860-279172/11-A
Matrix: Water
Analysis Batch: 279429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 279172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001880		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-279172/12-A
Matrix: Water
Analysis Batch: 279429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 279172

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001820		mg/L		91	80 - 120	3	20

Lab Sample ID: 870-41825-3 MS
Matrix: Water
Analysis Batch: 278425

Client Sample ID: SFL MW-3D
Prep Type: Dissolved
Prep Batch: 278207

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.0000706	U	0.00200	0.001910		mg/L		95	75 - 125

Lab Sample ID: 870-41825-3 MSD
Matrix: Water
Analysis Batch: 278425

Client Sample ID: SFL MW-3D
Prep Type: Dissolved
Prep Batch: 278207

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000706	U	0.00200	0.001900		mg/L		95	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 860-278837/1-E
Matrix: Water
Analysis Batch: 279429

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 279172

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		12/02/25 09:19	12/02/25 21:25	1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-278449/3
Matrix: Water
Analysis Batch: 278449

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/25/25 10:58	1

Lab Sample ID: MB 860-278449/34
Matrix: Water
Analysis Batch: 278449

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			11/25/25 15:29	1

Lab Sample ID: LCS 860-278449/35
Matrix: Water
Analysis Batch: 278449

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	242.0		mg/L		97	85 - 115		

Lab Sample ID: LCS 860-278449/4
Matrix: Water
Analysis Batch: 278449

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	243.4		mg/L		97	85 - 115		

Lab Sample ID: LCSD 860-278449/36
Matrix: Water
Analysis Batch: 278449

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
Alkalinity			250	241.9		mg/L		97	85 - 115	0	20

Lab Sample ID: LCSD 860-278449/5
Matrix: Water
Analysis Batch: 278449

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
Alkalinity			250	243.6		mg/L		97	85 - 115	0	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-279051/3
Matrix: Water
Analysis Batch: 279051

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			12/01/25 14:04	1

Lab Sample ID: LCS 860-279051/4
Matrix: Water
Analysis Batch: 279051

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	245.4		mg/L		98	85 - 115		

Lab Sample ID: LCSD 860-279051/5
Matrix: Water
Analysis Batch: 279051

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
Alkalinity			250	245.0		mg/L		98	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 870-33806/1
Matrix: Water
Analysis Batch: 33806

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			11/24/25 16:29	1

Lab Sample ID: LCS 870-33806/2
Matrix: Water
Analysis Batch: 33806

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	905.0		mg/L		91	80 - 120		

Lab Sample ID: LCSD 870-33806/3
Matrix: Water
Analysis Batch: 33806

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
Total Dissolved Solids			1000	975.0		mg/L		98	80 - 120	7	10

Method: SM 4500 H+ B - pH

Lab Sample ID: 870-41825-4 DU
Matrix: Water
Analysis Batch: 33897

Client Sample ID: SFL MW-5D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.3	HF		7.3		SU				0.8	20
Temperature	19.2	HF		19.2		Celsius				0	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-747160/1-A
Matrix: Water
Analysis Batch: 750053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747160

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-28.20	U G	25.5	25.6	50.0	107	pCi/L	11/26/25 14:26	12/18/25 10:22	1
Radium-228	3.167	U G	7.45	7.46	50.0	81.6	pCi/L	11/26/25 14:26	12/18/25 10:22	1
Combined Radium 226 + 228	-25.03	U	26.6	26.7		107	pCi/L	11/26/25 14:26	12/18/25 10:22	1

Lab Sample ID: LCS 160-747160/2-A
Matrix: Water
Analysis Batch: 749879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747160

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	142000	139600		15200		1160	pCi/L	98	75 - 125
Cesium-137	37500	37880		3770		177	pCi/L	101	75 - 125
Cobalt-60	49900	48400		4720		105	pCi/L	97	75 - 125

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-747223/1-A
Matrix: Water
Analysis Batch: 750908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747223

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03532	U	0.0900	0.0901	1.00	0.208	pCi/L	12/01/25 08:55	12/23/25 08:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*12/01/25 08:55*	*12/23/25 08:01*	*1*

Lab Sample ID: LCS 160-747223/2-A
Matrix: Water
Analysis Batch: 750908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747223

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.57	8.491		1.04	1.00	0.172	pCi/L	89	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*80.4*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-747224/1-A
Matrix: Water
Analysis Batch: 750442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747224

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3479	U	0.413	0.415	1.00	0.680	pCi/L	12/01/25 08:57	12/21/25 13:11	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-747224/1-A
Matrix: Water
Analysis Batch: 750442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747224

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110	12/01/25 08:57	12/21/25 13:11	1
Y Carrier	80.7		30 - 110	12/01/25 08:57	12/21/25 13:11	1

Lab Sample ID: LCS 160-747224/2-A
Matrix: Water
Analysis Batch: 750442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747224

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.84	8.759		1.26	1.00	0.549	pCi/L	112	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	80.4		30 - 110
Y Carrier	83.4		30 - 110

HPLC/IC

Analysis Batch: 278475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	9056A	
870-41825-1	SFL MW-4S	Total/NA	Water	9056A	
870-41825-2	SFL MW-6D	Total/NA	Water	9056A	
870-41825-2	SFL MW-6D	Total/NA	Water	9056A	
870-41825-3	SFL MW-3D	Total/NA	Water	9056A	
870-41825-3	SFL MW-3D	Total/NA	Water	9056A	
870-41825-4	SFL MW-5D	Total/NA	Water	9056A	
870-41825-4	SFL MW-5D	Total/NA	Water	9056A	
MB 860-278475/3	Method Blank	Total/NA	Water	9056A	
LCS 860-278475/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-278475/5	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-278475/7	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 278922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-5	EB1	Total/NA	Water	9056A	
870-41825-6	AP MW-7	Total/NA	Water	9056A	
870-41825-6	AP MW-7	Total/NA	Water	9056A	
MB 860-278922/44	Method Blank	Total/NA	Water	9056A	
LCS 860-278922/45	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-278922/46	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 278207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	7470A	
870-41825-2	SFL MW-6D	Total/NA	Water	7470A	
870-41825-3	SFL MW-3D	Dissolved	Water	7470A	
870-41825-3	SFL MW-3D	Total/NA	Water	7470A	
870-41825-4	SFL MW-5D	Total/NA	Water	7470A	
870-41825-5	EB1	Dissolved	Water	7470A	
870-41825-5	EB1	Total/NA	Water	7470A	
870-41825-6	AP MW-7	Total/NA	Water	7470A	
MB 860-278207/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-278207/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-278207/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	
870-41825-3 MS	SFL MW-3D	Dissolved	Water	7470A	
870-41825-3 MSD	SFL MW-3D	Dissolved	Water	7470A	

Analysis Batch: 278425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	7470A	278207
870-41825-2	SFL MW-6D	Total/NA	Water	7470A	278207
870-41825-3	SFL MW-3D	Dissolved	Water	7470A	278207
870-41825-3	SFL MW-3D	Total/NA	Water	7470A	278207
870-41825-4	SFL MW-5D	Total/NA	Water	7470A	278207
870-41825-5	EB1	Dissolved	Water	7470A	278207
870-41825-5	EB1	Total/NA	Water	7470A	278207
870-41825-6	AP MW-7	Total/NA	Water	7470A	278207
MB 860-278207/10-A	Method Blank	Total/NA	Water	7470A	278207

Metals (Continued)

Analysis Batch: 278425 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-278207/11-A	Lab Control Sample	Total/NA	Water	7470A	278207
LCSD 860-278207/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	278207
870-41825-3 MS	SFL MW-3D	Dissolved	Water	7470A	278207
870-41825-3 MSD	SFL MW-3D	Dissolved	Water	7470A	278207

Leach Batch: 278837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-278837/1-B	Method Blank	Total/NA	Water	1311	
LB 860-278837/1-E	Method Blank	Dissolved	Water	1311	

Filtration Batch: 278842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-278842/25-B	Method Blank	Total/NA	Water	Filtration	
MB 860-278842/25-D	Method Blank	Dissolved	Water	Filtration	
LCS 860-278842/26-B	Lab Control Sample	Total/NA	Water	Filtration	
LCS 860-278842/26-D	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-278842/27-B	Lab Control Sample Dup	Total/NA	Water	Filtration	
LCSD 860-278842/27-D	Lab Control Sample Dup	Dissolved	Water	Filtration	

Prep Batch: 278850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-2	SFL MW-6D	Dissolved	Water	7470A	
MB 860-278850/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-278850/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-278850/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 278919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	3010A	
MB 860-278842/25-B	Method Blank	Total/NA	Water	3010A	278842
LCS 860-278842/26-B	Lab Control Sample	Total/NA	Water	3010A	278842
LCSD 860-278842/27-B	Lab Control Sample Dup	Total/NA	Water	3010A	278842

Prep Batch: 278995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	3010A	
870-41825-2	SFL MW-6D	Total/NA	Water	3010A	
870-41825-3	SFL MW-3D	Total/NA	Water	3010A	
870-41825-4	SFL MW-5D	Total/NA	Water	3010A	
870-41825-5	EB1	Total/NA	Water	3010A	
870-41825-6	AP MW-7	Total/NA	Water	3010A	
LB 860-278837/1-B	Method Blank	Total/NA	Water	3010A	278837
MB 860-278995/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-278995/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-278995/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 279120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-2	SFL MW-6D	Dissolved	Water	7470A	278850
MB 860-278850/10-A	Method Blank	Total/NA	Water	7470A	278850
LCS 860-278850/11-A	Lab Control Sample	Total/NA	Water	7470A	278850

Metals (Continued)

Analysis Batch: 279120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-278850/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	278850

Analysis Batch: 279158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	6010D	278919
870-41825-1	SFL MW-4S	Total/NA	Water	6010D	278919
MB 860-278842/25-B	Method Blank	Total/NA	Water	6010D	278919
LCS 860-278842/26-B	Lab Control Sample	Total/NA	Water	6010D	278919
LCSD 860-278842/27-B	Lab Control Sample Dup	Total/NA	Water	6010D	278919

Prep Batch: 279172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-4	SFL MW-5D	Dissolved	Water	7470A	
LB 860-278837/1-E	Method Blank	Dissolved	Water	7470A	278837
MB 860-279172/10-A	Method Blank	Total/NA	Water	7470A	
LCS 860-279172/11-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 860-279172/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 279232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-2	SFL MW-6D	Dissolved	Water	3010A	
870-41825-3	SFL MW-3D	Dissolved	Water	3010A	
870-41825-5	EB1	Dissolved	Water	3010A	
MB 860-278842/25-D	Method Blank	Dissolved	Water	3010A	278842
LCS 860-278842/26-D	Lab Control Sample	Dissolved	Water	3010A	278842
LCSD 860-278842/27-D	Lab Control Sample Dup	Dissolved	Water	3010A	278842

Analysis Batch: 279425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	6020B	278995
870-41825-2	SFL MW-6D	Total/NA	Water	6020B	278995
870-41825-3	SFL MW-3D	Total/NA	Water	6020B	278995
870-41825-4	SFL MW-5D	Total/NA	Water	6020B	278995
870-41825-5	EB1	Total/NA	Water	6020B	278995
870-41825-6	AP MW-7	Total/NA	Water	6020B	278995
LB 860-278837/1-B	Method Blank	Total/NA	Water	6020B	278995
MB 860-278995/1-A	Method Blank	Total/NA	Water	6020B	278995
LCS 860-278995/2-A	Lab Control Sample	Total/NA	Water	6020B	278995
LCSD 860-278995/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	278995

Analysis Batch: 279429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-4	SFL MW-5D	Dissolved	Water	7470A	279172
LB 860-278837/1-E	Method Blank	Dissolved	Water	7470A	279172
MB 860-279172/10-A	Method Blank	Total/NA	Water	7470A	279172
LCS 860-279172/11-A	Lab Control Sample	Total/NA	Water	7470A	279172
LCSD 860-279172/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	279172

Prep Batch: 279462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-2	SFL MW-6D	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 279462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-3	SFL MW-3D	Total/NA	Water	3010A	
870-41825-4	SFL MW-5D	Dissolved	Water	3010A	
870-41825-4	SFL MW-5D	Total/NA	Water	3010A	
870-41825-5	EB1	Total/NA	Water	3010A	
870-41825-6	AP MW-7	Total/NA	Water	3010A	
MB 860-279462/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-279462/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-279462/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 279628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-2	SFL MW-6D	Dissolved	Water	6010D	279232
870-41825-2	SFL MW-6D	Dissolved	Water	6010D	279232
870-41825-3	SFL MW-3D	Dissolved	Water	6010D	279232
870-41825-3	SFL MW-3D	Dissolved	Water	6010D	279232
870-41825-5	EB1	Dissolved	Water	6010D	279232
MB 860-278842/25-D	Method Blank	Dissolved	Water	6010D	279232
LCS 860-278842/26-D	Lab Control Sample	Dissolved	Water	6010D	279232
LCSD 860-278842/27-D	Lab Control Sample Dup	Dissolved	Water	6010D	279232

Analysis Batch: 279764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-2	SFL MW-6D	Total/NA	Water	6010D	279462
870-41825-2	SFL MW-6D	Total/NA	Water	6010D	279462
870-41825-3	SFL MW-3D	Total/NA	Water	6010D	279462
870-41825-3	SFL MW-3D	Total/NA	Water	6010D	279462
870-41825-4	SFL MW-5D	Dissolved	Water	6010D	279462
870-41825-4	SFL MW-5D	Dissolved	Water	6010D	279462
870-41825-4	SFL MW-5D	Total/NA	Water	6010D	279462
870-41825-4	SFL MW-5D	Total/NA	Water	6010D	279462
870-41825-5	EB1	Total/NA	Water	6010D	279462
870-41825-6	AP MW-7	Total/NA	Water	6010D	279462
870-41825-6	AP MW-7	Total/NA	Water	6010D	279462
MB 860-279462/1-A	Method Blank	Total/NA	Water	6010D	279462
LCS 860-279462/2-A	Lab Control Sample	Total/NA	Water	6010D	279462
LCSD 860-279462/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	279462

General Chemistry

Analysis Batch: 33806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	SM 2540C	
870-41825-2	SFL MW-6D	Total/NA	Water	SM 2540C	
870-41825-3	SFL MW-3D	Total/NA	Water	SM 2540C	
870-41825-4	SFL MW-5D	Total/NA	Water	SM 2540C	
870-41825-5	EB1	Total/NA	Water	SM 2540C	
870-41825-6	AP MW-7	Total/NA	Water	SM 2540C	
MB 870-33806/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-33806/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-33806/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 33897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	SM 4500 H+ B	
870-41825-2	SFL MW-6D	Total/NA	Water	SM 4500 H+ B	
870-41825-3	SFL MW-3D	Total/NA	Water	SM 4500 H+ B	
870-41825-4	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	
870-41825-5	EB1	Total/NA	Water	SM 4500 H+ B	
870-41825-6	AP MW-7	Total/NA	Water	SM 4500 H+ B	
870-41825-4 DU	SFL MW-5D	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 278449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	SM 2320B	
870-41825-2	SFL MW-6D	Total/NA	Water	SM 2320B	
870-41825-3	SFL MW-3D	Total/NA	Water	SM 2320B	
870-41825-4	SFL MW-5D	Total/NA	Water	SM 2320B	
870-41825-5	EB1	Total/NA	Water	SM 2320B	
MB 860-278449/3	Method Blank	Total/NA	Water	SM 2320B	
MB 860-278449/34	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-278449/35	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 860-278449/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-278449/36	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LCSD 860-278449/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 279051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-6	AP MW-7	Total/NA	Water	SM 2320B	
MB 860-279051/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-279051/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-279051/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Rad

Prep Batch: 747160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	Fill_Geo-21	
870-41825-2	SFL MW-6D	Total/NA	Water	Fill_Geo-21	
870-41825-3	SFL MW-3D	Total/NA	Water	Fill_Geo-21	
870-41825-4	SFL MW-5D	Total/NA	Water	Fill_Geo-21	
870-41825-5	EB1	Total/NA	Water	Fill_Geo-21	
870-41825-6	AP MW-7	Total/NA	Water	Fill_Geo-21	
MB 160-747160/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-747160/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 747223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	PrecSep-21	
870-41825-2	SFL MW-6D	Total/NA	Water	PrecSep-21	
870-41825-3	SFL MW-3D	Total/NA	Water	PrecSep-21	
870-41825-4	SFL MW-5D	Total/NA	Water	PrecSep-21	
870-41825-5	EB1	Total/NA	Water	PrecSep-21	
870-41825-6	AP MW-7	Total/NA	Water	PrecSep-21	
MB 160-747223/1-A	Method Blank	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 747223 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-747223/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 747224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-41825-1	SFL MW-4S	Total/NA	Water	PrecSep_0	
870-41825-2	SFL MW-6D	Total/NA	Water	PrecSep_0	
870-41825-3	SFL MW-3D	Total/NA	Water	PrecSep_0	
870-41825-4	SFL MW-5D	Total/NA	Water	PrecSep_0	
870-41825-5	EB1	Total/NA	Water	PrecSep_0	
870-41825-6	AP MW-7	Total/NA	Water	PrecSep_0	
MB 160-747224/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-747224/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Client Sample ID: SFL MW-4S

Date Collected: 11/19/25 09:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278475	11/26/25 13:18	YG	EET HOU
Total/NA	Analysis	9056A		10			278475	11/26/25 13:25	YG	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278919	12/01/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		1			279158	12/01/25 20:23	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278919	12/01/25 09:30	MD	EET HOU
Total/NA	Analysis	6010D		50			279158	12/01/25 20:26	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278995	12/01/25 13:28	MD	EET HOU
Total/NA	Analysis	6020B		1			279425	12/02/25 18:03	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:31	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278449	11/25/25 14:51	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33897	12/01/25 14:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	747160	11/26/25 14:26	HGB	EET SL
Total/NA	Analysis	901.1		1			749880	12/17/25 08:14	MLS	EET SL
Total/NA	Prep	PrecSep-21			1002.53 mL	1.0 g	747223	12/01/25 08:55	AMS	EET SL
Total/NA	Analysis	903.0		1			750908	12/23/25 08:04	EJS	EET SL
Total/NA	Prep	PrecSep_0			1002.53 mL	1.0 g	747224	12/01/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			750544	12/21/25 13:23	FLC	EET SL

Client Sample ID: SFL MW-6D

Date Collected: 11/19/25 10:20
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278475	11/26/25 13:33	YG	EET HOU
Total/NA	Analysis	9056A		10			278475	11/26/25 13:40	YG	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	279232	12/02/25 10:30	MD	EET HOU
Dissolved	Analysis	6010D		1			279628	12/03/25 16:28	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	279232	12/02/25 10:30	MD	EET HOU
Dissolved	Analysis	6010D		50			279628	12/03/25 16:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			279764	12/03/25 19:18	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			279764	12/03/25 19:27	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278995	12/01/25 13:28	MD	EET HOU
Total/NA	Analysis	6020B		1			279425	12/02/25 18:06	SHZ	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	278850	11/30/25 16:50	PB	EET HOU
Dissolved	Analysis	7470A		1			279120	12/01/25 21:14	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:34	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278449	11/25/25 17:34	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL

Client Sample ID: SFL MW-6D

Lab Sample ID: 870-41825-2

Date Collected: 11/19/25 10:20

Matrix: Water

Date Received: 11/21/25 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			33897	12/01/25 14:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	747160	11/26/25 14:26	HGB	EET SL
Total/NA	Analysis	901.1		1			749876	12/17/25 09:52	MLS	EET SL
Total/NA	Prep	PrecSep-21			502.20 mL	1.0 g	747223	12/01/25 08:55	AMS	EET SL
Total/NA	Analysis	903.0		1			750908	12/23/25 09:58	EJS	EET SL
Total/NA	Prep	PrecSep_0			502.20 mL	1.0 g	747224	12/01/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			750544	12/21/25 13:23	FLC	EET SL

Client Sample ID: SFL MW-3D

Lab Sample ID: 870-41825-3

Date Collected: 11/20/25 09:55

Matrix: Water

Date Received: 11/21/25 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278475	11/26/25 13:47	YG	EET HOU
Total/NA	Analysis	9056A		10			278475	11/26/25 13:55	YG	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	279232	12/02/25 10:30	MD	EET HOU
Dissolved	Analysis	6010D		1			279628	12/03/25 16:30	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	279232	12/02/25 10:30	MD	EET HOU
Dissolved	Analysis	6010D		50			279628	12/03/25 16:34	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			279764	12/03/25 19:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			279764	12/03/25 19:28	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278995	12/01/25 13:28	MD	EET HOU
Total/NA	Analysis	6020B		1			279425	12/02/25 18:09	SHZ	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Dissolved	Analysis	7470A		1			278425	11/25/25 23:57	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:33	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278449	11/25/25 17:28	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33897	12/01/25 14:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	747160	11/26/25 14:26	HGB	EET SL
Total/NA	Analysis	901.1		1			749912	12/17/25 09:52	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.19 mL	1.0 g	747223	12/01/25 08:55	AMS	EET SL
Total/NA	Analysis	903.0		1			750908	12/23/25 09:58	EJS	EET SL
Total/NA	Prep	PrecSep_0			1003.19 mL	1.0 g	747224	12/01/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			750544	12/21/25 13:23	FLC	EET SL

Client Sample ID: SFL MW-5D

Lab Sample ID: 870-41825-4

Date Collected: 11/20/25 12:35

Matrix: Water

Date Received: 11/21/25 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278475	11/26/25 14:02	YG	EET HOU
Total/NA	Analysis	9056A		10			278475	11/26/25 14:09	YG	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Dissolved	Analysis	6010D		1			279764	12/03/25 20:07	JDM	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Dissolved	Analysis	6010D		50			279764	12/03/25 20:15	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			279764	12/03/25 19:22	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			279764	12/03/25 19:30	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278995	12/01/25 13:28	MD	EET HOU
Total/NA	Analysis	6020B		1			279425	12/02/25 18:12	SHZ	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	279172	12/02/25 09:19	AGR	EET HOU
Dissolved	Analysis	7470A		1			279429	12/02/25 22:04	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:29	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278449	11/25/25 14:56	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33897	12/01/25 14:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	747160	11/26/25 14:26	HGB	EET SL
Total/NA	Analysis	901.1		1			749908	12/17/25 09:52	MLS	EET SL
Total/NA	Prep	PrecSep-21			756.72 mL	1.0 g	747223	12/01/25 08:55	AMS	EET SL
Total/NA	Analysis	903.0		1			750908	12/23/25 09:58	EJS	EET SL
Total/NA	Prep	PrecSep_0			756.72 mL	1.0 g	747224	12/01/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			750544	12/21/25 13:24	FLC	EET SL

Client Sample ID: EB1

Lab Sample ID: 870-41825-5

Date Collected: 11/20/25 14:00

Matrix: Water

Date Received: 11/21/25 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278922	12/01/25 17:33	RJD	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	279232	12/02/25 10:30	MD	EET HOU
Dissolved	Analysis	6010D		1			279628	12/03/25 16:31	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			279764	12/03/25 19:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278995	12/01/25 13:28	MD	EET HOU
Total/NA	Analysis	6020B		1			279425	12/02/25 18:18	SHZ	EET HOU
Dissolved	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Dissolved	Analysis	7470A		1			278425	11/26/25 00:27	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:35	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			278449	11/25/25 17:23	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL

Lab Chronicle

Client: HDR Inc
Project/Site: Gibbons Creek Electric Steam Station

Job ID: 870-41825-1
SDG: 10290148

Client Sample ID: EB1

Date Collected: 11/20/25 14:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			33897	12/01/25 14:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	747160	11/26/25 14:26	HGB	EET SL
Total/NA	Analysis	901.1		1			749879	12/17/25 09:53	MLS	EET SL
Total/NA	Prep	PrecSep-21			1003.44 mL	1.0 g	747223	12/01/25 08:55	AMS	EET SL
Total/NA	Analysis	903.0		1			750908	12/23/25 09:58	EJS	EET SL
Total/NA	Prep	PrecSep_0			1003.44 mL	1.0 g	747224	12/01/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			750442	12/21/25 10:46	FLC	EET SL

Client Sample ID: AP MW-7

Date Collected: 11/20/25 16:00
Date Received: 11/21/25 11:12

Lab Sample ID: 870-41825-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			278922	12/01/25 17:48	RJD	EET HOU
Total/NA	Analysis	9056A		10			278922	12/01/25 17:55	RJD	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		1			279764	12/03/25 19:25	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	279462	12/03/25 09:00	MD	EET HOU
Total/NA	Analysis	6010D		50			279764	12/03/25 19:33	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	278995	12/01/25 13:28	MD	EET HOU
Total/NA	Analysis	6020B		1			279425	12/02/25 18:15	SHZ	EET HOU
Total/NA	Prep	7470A			50 mL	50 mL	278207	11/25/25 11:07	PB	EET HOU
Total/NA	Analysis	7470A		1			278425	11/26/25 00:30	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			279051	12/01/25 16:36	VS	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	33806	11/24/25 16:29	TM	EET DAL
Total/NA	Analysis	SM 4500 H+ B		1			33897	12/01/25 14:31	CJH	EET DAL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	747160	11/26/25 14:26	HGB	EET SL
Total/NA	Analysis	901.1		1			749880	12/17/25 09:53	MLS	EET SL
Total/NA	Prep	PrecSep-21			1007.78 mL	1.0 g	747223	12/01/25 08:55	AMS	EET SL
Total/NA	Analysis	903.0		1			750909	12/23/25 08:14	EJS	EET SL
Total/NA	Prep	PrecSep_0			1007.78 mL	1.0 g	747224	12/01/25 08:57	AMS	EET SL
Total/NA	Analysis	904.0		1			750544	12/21/25 13:24	FLC	EET SL

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: Gibbons Creek Electric Steam Station

Job ID: 870-41825-1
SDG: 10290148

Laboratory: Eurofins Dallas

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295	06-30-26

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
SM 4500 H+ B		Water	Temperature

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704193	07-31-26

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
901.1	Fill_Geo-21	Water	Combined Radium 226 + 228
901.1	Fill_Geo-21	Water	Radium-226
901.1	Fill_Geo-21	Water	Radium-228
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228

Method Summary

Client: HDR Inc
Project/Site: Gibbons Creek Electric Steam Station

Job ID: 870-41825-1
SDG: 10290148

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
7470A	Mercury (CVAA)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 4500 H+ B	pH	SM	EET DAL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
3010A	Preparation, Total Metals	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: HDR Inc
Project/Site: Gibbons Creek Electric Steam Station

Job ID: 870-41825-1
SDG: 10290148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-41825-1	SFL MW-4S	Water	11/19/25 09:00	11/21/25 11:12	Texas
870-41825-2	SFL MW-6D	Water	11/19/25 10:20	11/21/25 11:12	Texas
870-41825-3	SFL MW-3D	Water	11/20/25 09:55	11/21/25 11:12	Texas
870-41825-4	SFL MW-5D	Water	11/20/25 12:35	11/21/25 11:12	Texas
870-41825-5	EB1	Water	11/20/25 14:00	11/21/25 11:12	Texas
870-41825-6	AP MW-7	Water	11/20/25 16:00	11/21/25 11:12	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

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12/31/2025

Client Information	Sampler: Emma Foley	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-15038-5065.1
Client Contact: Emma Foley	Phone: 7202422831	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: TX	Page: 1 of 1
Company: HDR Inc	PWSID:			Job #: 10290148
Address: 17111 Preston Road Suite 200	Due Date Requested:			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75248-1232	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: Emma.Foley@hdrinc.com	WO #:			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	901.1_Ra - (MOD) Radium-226/228	2320B - Alkalinity	9056A_ORGFM_28D - Chloride,Flouride,Sulfate	6010D, 6020B, 7470A Total metals	6010D, 7470A, 6020B Dissolved Metals	SM4500_H+ - pH and Temperature	2540C_Calcd - TDS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N	N	D	D	N	N		
SFL MW-4S	11-19-25	0900	G	Water	N	N	X	X	X	X	X	X		X	X	6	
SFL MW-6D	11-19-25	1020	G	Water	Y	N	X	X	X	X	X	X	X	X	X	7	Field Filtered diss. met.
SFL MW-3D	11-20-25	0955	G	Water	Y	N	X	X	X	X	X	X	X	X	X	7	Field Filtered diss met
SFL MW-5D	11-20-25	1235	G	Water	Y	N	X	X	X	X	X	X	X	X	X	7	Field Filtered diss met
EB1	11-20-25	1400	G	Water	Y	N	X	X	X	X	X	X	X	X	X	7	Field Filtered diss. met
AP MW-7	11-20-25	1600	G	Water	N	N	X	X	X	X	X	X		X	X	6	
				Water													
				Water													
				Water													
				Water													
				Water													

Preservation Codes:
D - HNO3
N - None
Other:

870-41825 Chain of Custody

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: 8859 0755 9028 / 7920 4109 5560

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Emma Foley	11-20-25 1730	HDR	FEDEX		
FEDEX			AB	11/21/25 1112	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0 8/0.2 1.0/0.4 THM-027 -0.6

Ver: 05/06/2024

9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Shipping/Receiving	N/A	Whitlock, Kaitlyn N	N/A	870-9532.1
Company: TestAmerica Laboratories, Inc.	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Address: 13715 Rider Trail North, ,	Due Date Requested: 12/26/2025	Accreditations Required (See note): NELAP - Texas		Job #: 870-41825-1
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	901.1_Ra/Fill_Geo_21(MOD) Radium-226/228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SFL MW-4S (870-41825-1)	11/19/25	09:00 Central	G	Water			X	X	X	2	
SFL MW-6D (870-41825-2)	11/19/25	10:20 Central	G	Water			X	X	X	2	
SFL MW-3D (870-41825-3)	11/20/25	09:55 Central	G	Water			X	X	X	2	
SFL MW-5D (870-41825-4)	11/20/25	12:35 Central	G	Water			X	X	X	2	
EB1 (870-41825-5)	11/20/25	14:00 Central	G	Water			X	X	X	2	
AP MW-7 (870-41825-6)	11/20/25	16:00 Central	G	Water			X	X	X	2	
										2	

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time:

Method of Shipment: FEDEX

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
AO	11/21/25 - 7	TU	NOV 21 2025	NOV 24 2025	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0840	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

eurofins | Environment Testing

12/31/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9537 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-41825-1
Address: 4145 Greenbriar Dr	Due Date Requested: 12/1/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ASD Round 5 Background Sampling	Project #: 87002063			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A(MOD) CCR Appendix III/IV	7470A/7470A_PrepMercury	9066A_ORGFM_28D(MOD) Local Method	6010D/3010A(MOD) LI + Minerals	2320B	6010D/FIELD_FLTRDDissolved Metals	7470A/FIELD_FLTRDDissolved Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SFL MW-4S (870-41825-1)	11/19/25	09:00 Central	G	Water			X	X	X	X	X			2	
SFL MW-6D (870-41825-2)	11/19/25	10:20 Central	G	Water			X	X	X	X	X	X	X	3	Field filtered dissolved metals, Field Filtered Dissolved Hg
SFL MW-3D (870-41825-3)	11/20/25	09:55 Central	G	Water			X	X	X	X	X	X	X	3	Field filtered dissolved metals, Field Filtered Dissolved Hg
SFL MW-5D (870-41825-4)	11/20/25	12:35 Central	G	Water			X	X	X	X	X	X	X	3	Field filtered dissolved metals, Field Filtered Dissolved Hg
EB1 (870-41825-5)	11/20/25	14:00 Central	G	Water			X	X	X	X	X	X	X	3	Field filtered dissolved metals, Field Filtered Dissolved Hg
AP MW-7 (870-41825-6)	11/20/25	16:00 Central	G	Water			X	X	X	X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 11/21/25 1700	Company	Received by: TPX	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: NOV 21 2025	Date/Time: 12-22-25 0800	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: IR HUV-368 2.5°

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41825-1
SDG Number: 10290148

Login Number: 41825
List Number: 1
Creator: Bodnarchuk, Andrew G

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41825-1
SDG Number: 10290148

Login Number: 41825
List Number: 2
Creator: Silva, Daniel

List Source: Eurofins Houston
List Creation: 11/22/25 10:37 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 870-41825-1
SDG Number: 10290148

Login Number: 41825
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 11/24/25 11:27 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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