January 6, 2026

Dr. Eun Ju Lee, Ph.D., P.E.
Industrial and Hazardous Waste Permits Section – Waste Permits Division
Texas Commission on Environmental Quality (TCEQ)

RE: Alternative Source Demonstration – Addendum #2
Gibbons Creek Steam Electric Station
Gibbons Creek Environmental Redevelopment Group, LLC - Anderson, Grimes County
New Coal Combustion Residuals (CCR) Registration No. CCR113
Industrial Solid Waste Registration No. 32271
EPA Identification No. TXD000751073

Dear Dr. Lee,

HDR Engineering Inc. (HDR), on behalf of Gibbons Creek Environmental Redevelopment Group, LLC. (GCERG), provides the included Alternative Source Demonstration – Addendum #2 (ASD – Addendum #2) Report for the Gibbons Creek Steam Electric Station (GCSES or Site). The ASD – Addendum #2 Report summarizes information and data gathered via the implementation of services noted in HDR's workplan dated October 22, 2024. Information included in this report covers groundwater sampling services during the second, third, and fourth background sampling events conducted in general accordance with the October 22, 2024, workplan. Results and findings provided in the ASD – Addendum #2 Report provide supporting documentation to supplement previously submitted ASDs for the Site.

Based on this report and previous ASDs, monitored constituents that have been detected at a statistically significant level above a groundwater protection standard are the result of natural variability in the groundwater quality at the Site and due to a need to correct the certified groundwater monitoring network. The exceedances do not appear to be the result of a release from the Site's CCR units.

If you have any questions regarding this report, please contact myself at 402-392-6714 or Norman Divers at 704-472-3919.

Sincerely,

Richard Wilson
HDR Engineering, Inc.

cc: Norman Divers, Charah
Martin Torres, TCEQ
Srinath Venkat, TCEQ
Daniela Ortiz De Montellano, TCEQ
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Alternative Source Demonstration – Addendum #2

Gibbons Creek Steam Electric Station

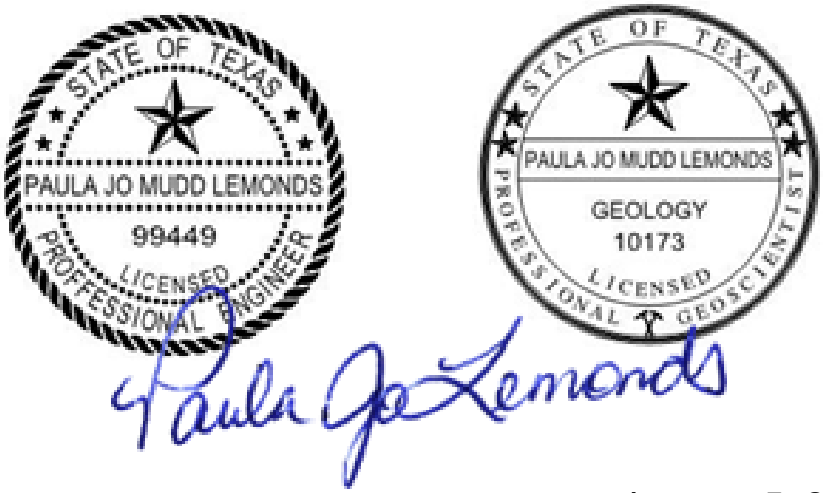
Gibbons Creek Environmental Redevelopment Group, LLC

January 5, 2026

Alternative Source Demonstration – Addendum #2

Gibbons Creek Steam Electric Station

January 5, 2026



January 5, 2026

Paula Jo Lemonds, P.E., P.G.

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Table of Abbreviations and Acronyms

Abbreviation	Definition
AGWMCAR	Annual Groundwater Monitoring and Corrective Action Report
AMSL	Above Mean Sea Level
APs	Ash Ponds
ASD	Alternative Source Demonstration
BTVs	Background Threshold Values
CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
EPA	Environmental Protection Agency
GCERG	Gibbons Creek Environmental Redevelopment Group, LLC.
GCSES	Gibbons Creek Steam Electric Station
GWPS	Groundwater Protection Standard
HDR	HDR Engineering, Inc.
LLDPE	Linear Low-Density Polyethylene
PRB	Powder River Basin
RCL	Recompacted Clay Liner
RL	Reporting Limit
SFL	Site F Landfill
SSL	Statistically Significant Level
SSP	Scrubber Sludge Pond
TAC	Texas Administrative Code
TCEQ	Texas Commission of Environmental Quality
TMPA	Texas Municipal Power Agency
Wood	Wood Environment & Infrastructure Solutions, Inc.

1.0 Introduction

This report has been prepared by HDR Engineering Inc. (HDR) on behalf of Gibbons Creek Environmental Redevelopment Group, LLC (GCERG) for the former Gibbons Creek Steam Electric Station (GCSES or Site). The GCSES is a former coal-fired power generation facility located in Anderson, Texas. The location of GCSES is depicted on **Figure 1**. The Texas Municipal Power Agency (TMPA) operated GCSES between 1982 and 2019. GCERG acquired the Site in 2021. The GCSES contains one coal combustion residual (CCR) landfill identified as Site F Landfill (SFL), and two former CCR surface impoundments identified as the Scrubber Sludge Pond (SSP) and Ash Ponds (APs). The SFL, SSP, and APs CCR units are depicted on **Figures 2A** and **2B**. These locations are subject to the U.S. Environmental Protection Agency's (EPA's) CCR Rule [40 CFR §257] and Texas Commission on Environmental Quality's (TCEQ) Title 30, Texas Administrative Code (30 TAC), Chapter 352.

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 ft wide, 1,800 ft long and 20 ft deep. The top of the perimeter berms/dikes were at an elevation of approximately 270 feet above mean sea level (AMSL).

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 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.

An alternative source demonstration (ASD) dated April 2019 was prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood) on behalf of TMPA to account for select constituents of concern exceeding the groundwater protection standard (GWPS) at a statistically significant level (SSL). The Appendix IV [40 CFR §257] constituents noted to be exceeding the specific GWPS at a SSL by Wood in the April 2019 ASD [Wood, 2019] are summarized in **Table 1**.

Table 1: 2019 ASD Appendix IV Constituent Exceedances

CCR Unit	Downgradient Well	Appendix IV Constituents
Ash Ponds	AP MW-3	Cobalt
	AP MW-5	Beryllium, Cobalt
Scrubber Sludge Pond	SSP MW-2	Beryllium, Cobalt
	SSP MW-3	Beryllium, Cadmium, Cobalt, $Radium_{226+228}$
Site F Landfill	SFL MW-3	Beryllium, Cadmium, Cobalt, Lead
	SFL MW-5	Beryllium, Cobalt, Lithium, $Radium_{226+228}$
	SFL MW-6	Beryllium, Cadmium, Cobalt, Lithium, $Radium_{226+228}$
	MNW-15	Beryllium, Cadmium, Cobalt

Notes:

1. Information noted in Wood's Alternative Source Demonstration report dated April 2019.

The 2019 ASD [Wood, 2019] indicated each constituent noted in **Table 1,** with the exception of lithium, was influenced by the presence of lignite deposits and the groundwater's naturally low pH. The oxidation (weathering) of pyrite in lignite coal releases hydrogen ions, which lowers the groundwater pH. The coupling of this lowered pH, reduction-oxidation state of the aquifer, and geology of the site is causing naturally present constituents of concern to be released and is not considered to be a result of the CCR units on the property. For lithium, the 2019 ASD indicates it is naturally present in the region and that GWPS exceedances of lithium are due to natural variability.

In subsequent monitoring events following the 2019 ASD, additional Appendix IV constituents were detected at a SSL above the GWPS. These additional constituents include cadmium (AP MW-5), cobalt (SFL MW-2; AP MW-1D), and thallium (SFL MW-3; SFL MW-6; SSP MW-3; AP MW-5) as noted in the Site's 2022 Annual Groundwater Monitoring and Corrective Action Report (AGWMCAR) [HDR, 2023a]. In the Site's 2021 AGWMCAR [HDR, 2022], an expansion of the 2019 ASD was included to address these additional constituent exceedances. It was noted in the 2021 AGWMCAR that these additional constituents were present as a result of the lower pH, reduction-oxidation state of the aquifer, and geology noted in the 2019 ASD and not due to a release from the CCR units. Additional information related to compliance is provided in the AGWMCAR's, which includes but is not limited to constituent concentrations for each monitoring event at each monitoring well for the CCR units and the background threshold values (BTVs) at the time of reporting.

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. EPA conducted a high-level review of the CCR registration (Registration No. CCR113) for the SFL, SSP, and APs. EPA provided comments to TCEQ in a letter dated March 23, 2023. EPA stated in the letter that the 2019 ASD prepared by Wood was insufficient in demonstrating the GWPS exceedances originate from a source other than SFL, SSP, and APs CCR units. EPA indicated

no evidence was presented to support the claims that pyrite and lignite are present at the Site, which could lower pH and cause mobilization of constituents of concern. In addition, EPA indicated other geological and soil analytical data were not provided to indicate certain constituents of concern are naturally present at the Site and are not the result of a release from CCR material.

HDR reviewed the 2019 ASD in conjunction with the comments provided by EPA. HDR concurs with the mechanisms noted in the 2019 ASD, which indicates an alternative source is contributing to the release of constituents of concern. However, background and supporting data was lacking in the original ASD which could have provided additional context. 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, naturally present groundwater units.

As a result of the identification of 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. During a conference call between TCEQ, GCERG, and HDR on April 3, 2024, TCEQ discussed concerns about the 2023 ASD related to geological information at or near monitoring wells with elevated constituents of concern, if a true upgradient monitoring well was monitoring the shallow groundwater, and how a release from the CCR unit would be identified. In addition, TCEQ discussed remedies to rectify the certified monitoring network for the SFL CCR unit. On May 10, 2024, TCEQ provided an e-mail summarizing their comments related to the 2023 ASD. TCEQ's comments related to monitoring well SFL MW-6 and Site stratigraphy were addressed in HDR's Alternative Source Demonstration – Addendum #1 report dated August 4, 2025 (HDR, 2025).

To address TCEQ's concerns regarding the Site's certified monitoring networks, as well as to further gather evidence of the alternative source impacting groundwater chemistry at the Site, 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. A conference call between TCEQ, GCERG, and HDR was conducted on March 7, 2025, to discuss the workplan. On March 17, 2025, TCEQ provided an e-mail summarizing their comments regarding the workplan and potential compliance monitoring issues at the Site. TCEQ's March 17, 2025, comments were addressed in HDR's report dated August 4, 2025 (HDR, 2025).

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 semiannual compliance monitoring event at monitoring wells in the current 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.

As indicated in the October 22, 2024, workplan, eight rounds of background groundwater sampling needs to be conducted at the newly installed monitoring wells and existing wells converted for groundwater sample collection at the Site. During discussions between GCERG, TCEQ, and HDR on September 2, 2025, it was indicated that additional groundwater data and results would be provided to TCEQ following the completion of the fourth background sampling event and the eighth background sampling event. This ASD Addendum #2 report summarizes groundwater monitoring and sampling results for the initial four groundwater monitoring events conducted in accordance with the October 22, 2024, workplan.

1.1 GCSES Area Hydrogeology

A detailed summary of the GCSES Area Hydrogeology is summarized in the Alternative Source Demonstration – Addendum #1 report dated August 4, 2025 (HDR, 2025).

1.2 GCSES Area Geochemistry – Pyrite and pH

A detailed discussion of the GCSES Area Geochemistry and the influence of deposited pyrite and pH on constituents in groundwater is summarized in the Alternative Source Demonstration – Addendum #1 report dated August 4, 2025 (HDR, 2025).

2.0 Site's CCR Analytical Data

The SFL, SSP, and APs contained CCR material that consisted of flue gas desulfurization (FGD) sludge, bottom ash, economizer ash pyrites, and/or fly ash. The fuel source for these CCR materials included locally mined lignite from the Gibbons Creek Lignite Mine during the period from approximately 1982 through 1996. During the period from approximately 1996 through closure of GCSES in 2019, bituminous coal from Wyoming's Powder River Basin (PRB) was used at the site because the lignite from the Gibbons Creek Lignite Mine is generally higher in sulfur content and occasionally resulted in higher ash contents when compared to other coal sources (i.e., PRB coal) [Black & Veatch, 1986].

A general characteristic of CCR at the GCSES is its alkaline nature. Ash generated from lignite material has relatively large quantities of lime, which made it a viable option for incorporation into the FGD scrubbing process. FGD sludge is the result of treatment via lime, limestone, and alkaline ash. A potential recommendation for handling fly ash at the GCSES prior to startup in

1982 was to possibly dispose of the material with acidic mine spoils from the lignite mine. The addition of the alkaline ash material would reduce the acidity of the mine spoils in an effort to reduce contamination from mining operations [TERA, 1976]. Ash samples collected from the Site A Landfill, which is located to the north of GCSES and contained ash from lignite combustion, generally had pH values higher than neutral with a mean value of 7.1 and maximum value of 8.0 [MKC, 1990]. Soil used to cap the Site A Landfill had eight of the 29 soil samples with pH values below 5.0 with a mean of the soil samples having a pH of approximately 5.6. The soils used in the cap were a composite of native soil horizons that were present at the GCSES facility and potentially had pyrite deposits that could contribute to the lower pH of the cap material when compared to the CCR.

Leachate and water in contact with CCR sediments at GCSES have pH that is basic. Leachate seeps observed in the Site A Landfill cap were sampled to evaluate constituents, and the pH of the leachate was 8.4 [MKC, 1990]. Sampling conducted on discharge from the former APs outfall had pH values ranging from 7.5 to 8.5. Sampling conducted on fluid from the SSP during a 1983 study had a pH value of 7.8. Leachate collected from piezometers at the SFL during a 2003 sampling event had pH values ranging from 8.6 to 9.7 [Wood, 2019]. In July 2025, liquid samples were collected from piezometers F2 and F3, which are located in the SFL. The F2 and F3 liquid samples had pH values of 8.70 and 9.61, respectively.

3.0 Alternative Sources Evaluation & Monitoring Well Expansion – Field Services

Field services for boring advancement, soil sampling and analysis, and monitoring well installation in accordance with the October 22, 2024, workplan are summarized in HDR's Alternative Source Demonstration – Addendum #1 dated August 4, 2025. Details related to the initial groundwater sampling event conducted in May and June 2025 are also summarized in the August 4, 2025, report.

This report summarizes field services conducted during the second, third, and fourth background sampling events for the monitoring wells installed in 2025 and existing wells converted from water level only gauging monitoring points to groundwater sampling monitoring points at the SFL and SSP/APs CCR Units. The following subsections summarize groundwater sampling and results from the July, August, and October 2025 monitoring events.

3.1 Monitoring Wells & Piezometers Groundwater Sampling

Since initiation of the background sampling at the newly installed monitoring wells and existing, converted wells for the proposed revised groundwater monitoring networks at the CCR Units, groundwater sampling field services have been conducted at each sampled monitoring well at a minimum of five weeks from the previous sampling event. This minimum five-week separation is intended to provide sufficient time between sampling events to allow statistical independence between samples collected for the background dataset. The dates of the initial four background sampling events are summarized on **Table 2**.

Table 2: Background Sampling Event Dates – First through Fourth Events

Background Sampling Event	Field Sampling Service Dates
First	May 19 - 22, 2025 & June 2 - 5, 2025
Second	July 16 - 18, 2025 & July 21 - 23, 2025
Third	August 22, 2025 & August 25 - 28, 2025
Fourth	October 10, 2025 & October 13 - 16, 2025

The monitoring wells gauged for depth to groundwater for the initial four background sampling events are summarized on **Table A-1, Appendix A**. The monitoring wells sampled during each monitoring event are summarized on **Table A-2, Appendix A** along with the reported analytical results. The monitoring well locations are depicted on the attached **Figures 2A** and **2B**.

Water levels were measured at each monitoring well and piezometer before well purging and sampling began. The water level measurements and calculated groundwater elevations are summarized on **Table A-1, Appendix A**. Wells proposed for groundwater sample collection were purged until field parameters (pH, turbidity, conductivity, dissolved oxygen, temperature, and oxidation reduction potential) stabilized. Purging and sampling was conducted using either a peristaltic pump and disposable tubing or submersible bladder pump with disposal bladder and disposable tubing, depending on the depth of water. The results of field measurements were recorded on field data forms (**Appendix B**), which are maintained as part of the field records. After field parameters stabilized, samples were collected and submitted to the analytical laboratory for totals analysis of the Appendix III and IV constituents as well as aluminum, iron, magnesium, potassium, sodium, and alkalinity. If the turbidity of the sample was greater than 10 Nephelometric Turbidity Units (NTUs), a field filtered sample was collected and analyzed for select metal constituents. Groundwater samples were submitted to Eurofins Dallas under chain-of-custody procedures for laboratory analysis. Laboratory analytical reports are included in **Appendix C**. The groundwater analytical results and field parameters are summarized on **Table A-2, Appendix A**.

During the second background sampling event, a groundwater sample was collected from each monitoring well proposed to have a sample collected with the exception of monitoring wells SFL MW-1S(R) – Proposed and SFL MW-6D. Groundwater samples were not collected from these two wells due to insufficient water volume for sample collection.

During the third background sampling event, a groundwater sample was collected from each monitoring well proposed to have a sample collected with the exception of monitoring well SFL MW-6D due to insufficient water volume for sample collection. A groundwater sample was collected from monitoring well SFL MW-1S(R) – Proposed via a non-dedicated bailer during the third background sampling event. Purging was not conducted prior to collecting the grab sample from SFL MW-1S(R) – Proposed.

During the fourth background sampling event, a groundwater sample was collected from each monitoring well proposed to have a sample collected. Groundwater samples were collected from monitoring wells SFL MW-1S(R) – Proposed and SFL MW-6D via non-dedicated bailers during the fourth background sampling event. Purging was not conducted prior to collecting the grab samples from monitoring wells SFL MW-1S(R) – Proposed and SFL MW-6D.

Statistical analysis of groundwater samples collected from the newly installed monitoring wells and existing, converted wells for the proposed revised groundwater monitoring networks at the CCR Units has not been completed due to the insufficient number of background samples collected to date. Statistical evaluation of the background data from these monitoring wells will be conducted following completion of the eighth background sampling event.

4.0 Alternative Sources Evaluation – Groundwater Results

The following subsections summarize the results from groundwater monitoring conducted during the second, third, and fourth background sampling events conducted at the SFL and SSP/APs CCR Units. Details regarding the first background sampling of groundwater and results associated with soil sampling, observation, and analysis are summarized in the Alternative Source Demonstration – Addendum #1 report dated August 4, 2025.

4.1 Groundwater Flow

Groundwater gauging was conducted at existing and newly installed monitoring wells at the Site on May 19, 2025, July 16, 2025, August 22, 2025, and October 10, 2025 for the first, second, third, and fourth background sampling events, respectively. The water level measurements and calculated groundwater elevations for the gauging events are summarized on **Table A-1, Appendix A**. Monitoring wells and piezometers were aggregated into shallow groundwater monitoring and deep groundwater monitoring networks for the SFL CCR unit and SSP/APs CCR units.

Interpolated groundwater elevation contours and interpreted groundwater flow are depicted on the attached **Figure 3A** (SFL Shallow Groundwater), **Figure 3B** (SFL Deep Groundwater), **Figure 4A** (SSP/APs Shallow Groundwater), and **Figure 4B** (SSP/APs Deep Groundwater) for the first background sampling event conducted in May and June 2025. For comparison, interpolated groundwater elevation contours and interpreted groundwater flow are depicted on the attached **Figure 3C** (SFL Shallow Groundwater), **Figure 3D** (SFL Deep Groundwater), **Figure 4C** (SSP/APs Shallow Groundwater), and **Figure 4D** (SSP/APs Deep Groundwater) for the fourth background sampling event conducted in October 2025. To assist with groundwater contour development, the surface water elevation from the Gibbons Creek Reservoir was incorporated into the groundwater flow figures. The Gibbons Creek Reservoir surface water elevation on May 19, 2025, and October 10, 2025, were 247.34 feet AMSL and 246.84 feet AMSL, respectively [TWDB, 2025].

4.1.1 SFL CCR Unit Groundwater Flow

For the groundwater level measurements conducted during the first and fourth background sampling events, flow in the shallow groundwater at the SFL CCR unit (**Figure 3A** & **Figure 3C**) appears to be generally to the south and 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 that monitoring well. Based on these groundwater elevations, monitoring wells

upgradient or background relative to the SFL CCR unit in the shallow groundwater are SFL MW-1S-Proposed, SFL MW-1S-Contingency, SFL MW-6, and MNW-17.

Groundwater flow in the deeper groundwater at the SFL CCR unit (**Figure 3B** & **Figure 3D**) appears to be generally 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 these groundwater elevations, monitoring well MNW-18 is upgradient relative to the SFL CCR unit in the deeper groundwater.

4.1.2 SSP/APs CCR Unit Groundwater Flow

For the groundwater level measurements conducted during the first and fourth background sampling events, flow in the shallow groundwater at the SSP/APs CCR units (**Figure 4A** & **Figure 4C**) appears to be generally to the northeast, east, and southeast in close proximity to the APs area and southwest in close proximity to the SSP area. Groundwater flow in the deeper groundwater at the SSP/APs CCR units (**Figure 4B** & **Figure 4D**) also appears to be generally to the northeast, east, and southeast in close proximity to the APs area and southwest in close proximity to the SSP area. There appears to be a groundwater divide that runs through the central part of the former power plant and between the SSP and APs CCR units. The groundwater flow to the northeast, east and southeast relative to the APs area is generally in the direction of the Gibbons Creek Reservoir and Gibbons Creek Valley. The groundwater flow to the southwest relative to the SSP area is directed to the Big Branch Creek and Carlos Lake area to the southwest of the Site.

Due to the similarities between the groundwater flow at SSP/APs CCR units, there may be more interconnectivity between the shallow and deep groundwater than what is observed at the SFL CCR unit. This interconnectivity could be the result of former development and excavation work associated with the former power plant. This associated work may have removed overburden or low conductivity layers which may have caused more interaction and mixing of shallow and deep groundwater.

Based on the groundwater interpolation for these background monitoring events, monitoring wells SSP MW-1, SSP/AP MW-1, SSP MW-5S, SSP MW-5D, SSP MW-6S, SSP MW-6D, AP MW-6, and AP PZ-1 are upgradient or background relative to the SSP/APs CCR units. This includes both shallow and deep monitored groundwater units.

4.2 Groundwater Results

Groundwater sampling was conducted at the Site during the four background sampling events dates summarized on **Table 2**. The groundwater analytical results and field parameters for each sampling event are summarized on **Table A-2, Appendix A**.

4.2.1 Groundwater pH & ORP Evaluation

As part of the assessment activities for the ASD, pH and ORP were field measured on each groundwater sample collected during each background sampling event. Graphical comparison of the pH and ORP measurements from the four background sampling events (**Graph D-1, Appendix D**) indicates increasing ORP or more oxidizing conditions at the Site generally correlates with a lower pH value, while decreasing ORP or more reducing conditions generally

correlates with a higher pH value. The distribution of pH values in each monitored groundwater unit are summarized in the Box & Whiskers Plot included as **Graph D-2, Appendix D**. The distribution of ORP values in each monitored groundwater unit are summarized in the Box & Whiskers Plot included as **Graph D-3, Appendix D**. For the SFL CCR unit, there continued to be no interquartile overlap of pH values between the shallow and deep groundwater units, however, there was more overlap of ORP values with the addition of the second, third, and fourth background sampling data to the first background dataset. For the SSP/APs CCR units, there is some interquartile overlap of pH and ORP values when comparing the shallow and deep groundwater units and was not significantly altered with the added results from the second, third, and fourth background sampling events.

4.2.2 Constituents with Historical GWPS Exceedances

As noted in **Section 1.0**, multiple Appendix IV constituents were identified as exceeding their respective GWPS at a SSL in the certified monitoring networks established prior to the development of the 2023 ASD [HDR, 2023b]. The list of Appendix IV constituents detected above a GWPS at an SSL prior to the 2023 ASD development are summarized on **Table 3**.

Table 3: Appendix IV Constituent Exceedances

CCR Unit	Downgradient Well	Appendix IV Constituents
Ash Ponds	AP MW-1D	Cobalt
	AP MW-3	Cobalt
	AP MW-5	Beryllium, Cadmium, Cobalt, Thallium
Scrubber Sludge Pond	SSP MW-2	Beryllium, Cobalt
	SSP MW-3	Beryllium, Cadmium, Cobalt, $Radium_{226+228}$, Thallium
Site F Landfill	SFL MW-2	Cobalt
	SFL MW-3	Beryllium, Cadmium, Cobalt, Lead, Thallium
	SFL MW-5	Beryllium, Cobalt, Lithium, $Radium_{226+228}$
	SFL MW-6	Beryllium, Cadmium, Cobalt, Lithium, $Radium_{226+228}$, Thallium
	MNW-15	Beryllium, Cadmium, Cobalt

Notes:
1. Information noted in HDR's Alternative Source Demonstration report dated October 2023.

The analytical results from the four background sampling events conducted from May through October 2025 for the constituents noted on **Table 3** were graphed with their corresponding pH value. In addition, the concentrations measured in groundwater samples collected from the temporary monitoring wells SB-4, SB-5, and SB-9 were also depicted on these graphs (HDR, 2025). The corresponding graphs for the noted constituents are included in **Appendix D** and are the following:

- **Graph D-4: Beryllium**
- **Graph D-5: Cadmium**

- **Graph D-6: Cobalt**
- **Graph D-7: Lead**
- **Graph D-8: Lithium**
- **Graph D-9: Radium 226+228**
- **Graph D-10: Thallium**

For reference, each upgradient/background monitoring well and temporary monitoring well sample result are depicted on each of the graphs. Generally, on each graph, except for lithium, the highest concentrations are observed in the acidic range of the pH spectrum. It appears that at a pH of about 5.5 and lower, concentrations start to increase. Generally, monitored concentrations in the higher pH range above 5.5 are relatively low to below laboratory reporting limits. Some of the upgradient/background monitoring wells had elevated concentrations measured on the acidic side of the pH spectrum. Though not necessarily the highest concentrations measured during the background sampling events, the presence of the elevated concentrations in the upgradient/background monitoring wells in this acidic groundwater range does indicate the proposed mechanism suggested in this and previous ASDs is functioning at the Site.

Since lithium concentrations are not impacted by natural variations in pH and reduction-oxidation potential [HDR, 2023b], a large spread is noted in concentrations across the pH range at the site. As indicated in the 2023 ASD [HDR, 2023b], lithium is naturally present in groundwater in the region over a wide range of pH and reduction-oxidation potentials. It was recommended in the 2023 ASD that a revised BTV should be calculated for lithium based on a composite of upgradient/background monitoring wells that are not influenced by a release from a CCR unit.

4.3 SFL Liquids Field Measurements & Analytical Results

As noted in **Section 2.0**, historical measurements of liquids that were in contact with CCR indicated pH values that were on the basic end of the pH spectrum. During a gauging event conducted on June 17, 2024, liquids samples were collected from SFL CCR unit piezometers F2 and F3, and pH was measured on the samples. As a part of implementing the October 2024 workplan, liquids samples were collected from piezometers F2 and F3 on July 23, 2025, and were field analyzed for water quality parameters and submitted for laboratory analysis of the Appendix III and Appendix IV constituents, as well as aluminum, iron, magnesium, potassium, sodium, and alkalinity. The field measured water quality measurements are summarized on **Table 4** for both monitoring events. Analytical results and field parameter measurements for the July 23, 2025, sampling event are summarized on **Table A-3, Appendix A**. The laboratory analysis report is included in **Appendix C** for the sampling event.

Table 4: SFL CCR Unit Piezometer Liquids Field Measurements

Piezometer	Sample Date	pH (SU)	Conductivity (µS/cm)	ORP (mV)	D.O. (mg/L)
F2	6/17/2024	8.70	NM	NM	NM
	7/23/2025	8.70	6,353	-294.1	0.80
F3	6/17/2024	9.54	NM	NM	NM
	7/23/2025	9.61	5,678	-353	0.20

Notes:
D.O. – Dissolved Oxygen
mg/L – milligrams per liter
mV – millivolts
NM – Not Measured
ORP – Oxidation-Reduction Potential
µS/cm – microSiemens per centimeter

For reference, the July 23, 2025, pH and ORP values were included on **Graph D-2** and **Graph D-3**, respectively, **Appendix D** for piezometers F2 and F3. As indicated on **Graph D-2, Appendix D**, pH values for the liquids collected from F2 and F3 are basic and well above a majority of the pH values measured in groundwater samples collected at Site monitoring wells. As indicated on **Graph D-3, Appendix D**, ORP values for the liquids collected from F2 and F3 indicated reducing conditions and well below values measured in groundwater samples collected at Site monitoring wells. As depicted on the analytical results graphs (**D-4** through **D-10, Appendix D**), concentrations measured in the samples collected from F2 and F3 were either below laboratory reporting limits or relatively low when compared to concentrations measured in groundwater samples collected from site monitoring wells. Based on the concentrations measured in the liquid samples, it does not appear that liquid in contact with CCR would be a potential source for elevated constituent concentrations in groundwater samples collected from site monitoring wells.

5.0 ASD Conclusions

As indicated in the Alternative Source Demonstration – Addendum #1 report dated August 4, 2025 (HDR, 2025), Appendix IV constituents that have been detected at an SSL above a GWPS are the result of natural variability in groundwater quality at the site. These exceedances do not appear to be the result of a release from the Site's CCR units.

Based on the additional analytical and sampling data collected during the second, third, and fourth background sampling events, the ASD conclusions remain unchanged from what was reported in the Alternative Source Demonstration – Addendum #1 report dated August 4, 2025. Based on the geology of the region and due to geochemical differences observed in the shallow and deep groundwater units where GCSES is located, Appendix IV constituents that were exceeding a GWPS at an SSL are a result of natural variability and geochemical processes in the region and are not the result of a release from the Site's CCR units. Groundwater pH is acidic in the shallow groundwater due to the oxidation of pyrite naturally present in sediments at the Site. Deeper groundwater in more confined units had generally neutral pH since reduction-oxidation conditions were relatively more reducing and pyrite oxidation was not occurring. This

shallow acidic groundwater and sediments are observed at other sites in the same general region as the GCSES, which could not be impacted by CCR [HDR, 2023b].

Background sampling will continue for the recently installed monitoring wells and existing wells converted for groundwater sample collection. The next addendum report will include data from the fifth, sixth, seventh, and eighth background sampling events.

6.0 References

Black & Veatch. 1986. *Texas Municipal Power Agency Gibbons Creek Steam Electric Station: Preliminary Ash and Sludge Disposal Study*. November.

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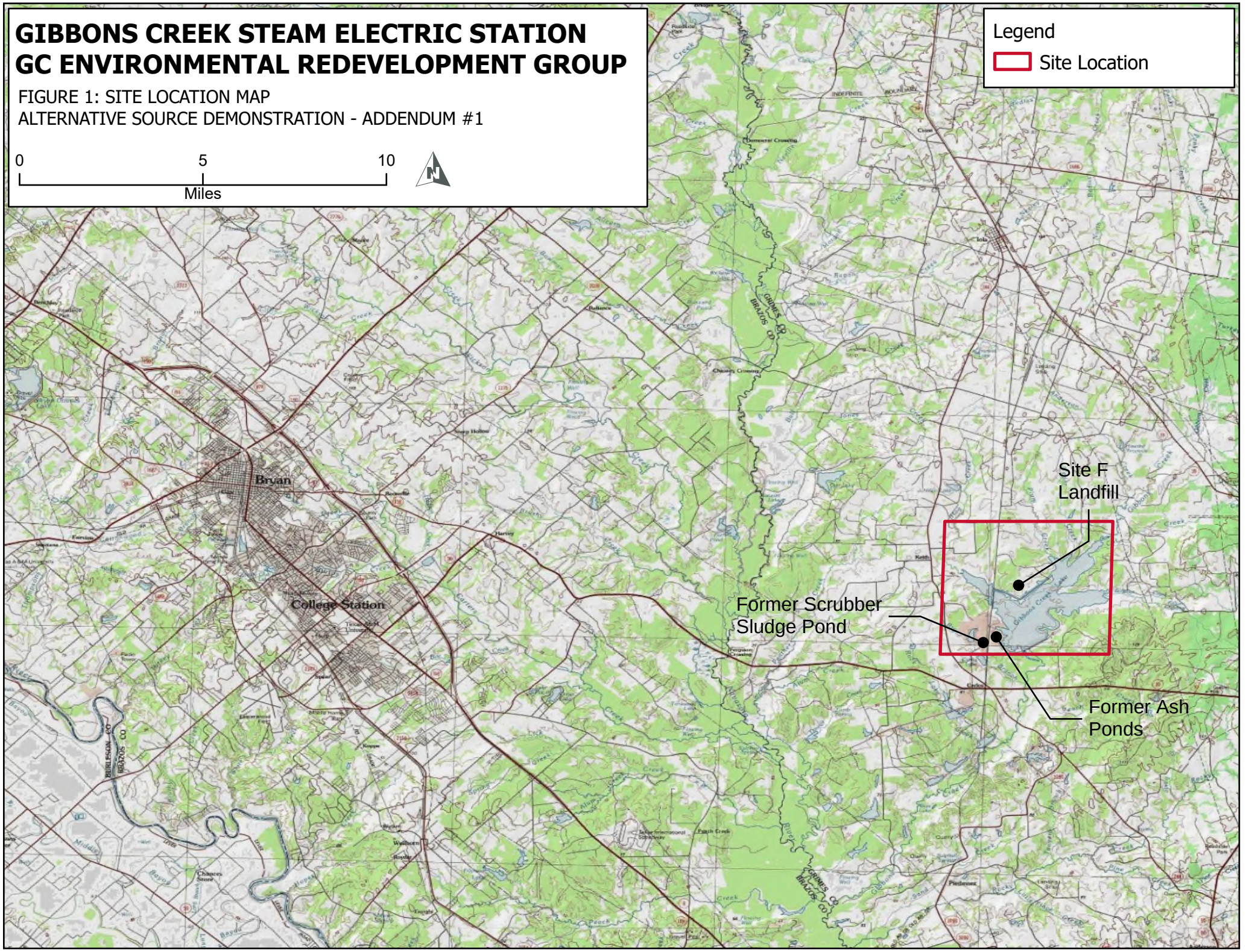
Wood Environment & Infrastructure Solutions, Inc. (Wood). 2019. *Alternative Source Demonstration, Gibbons Creek Steam Electric Station, Grimes County, Texas*. April.

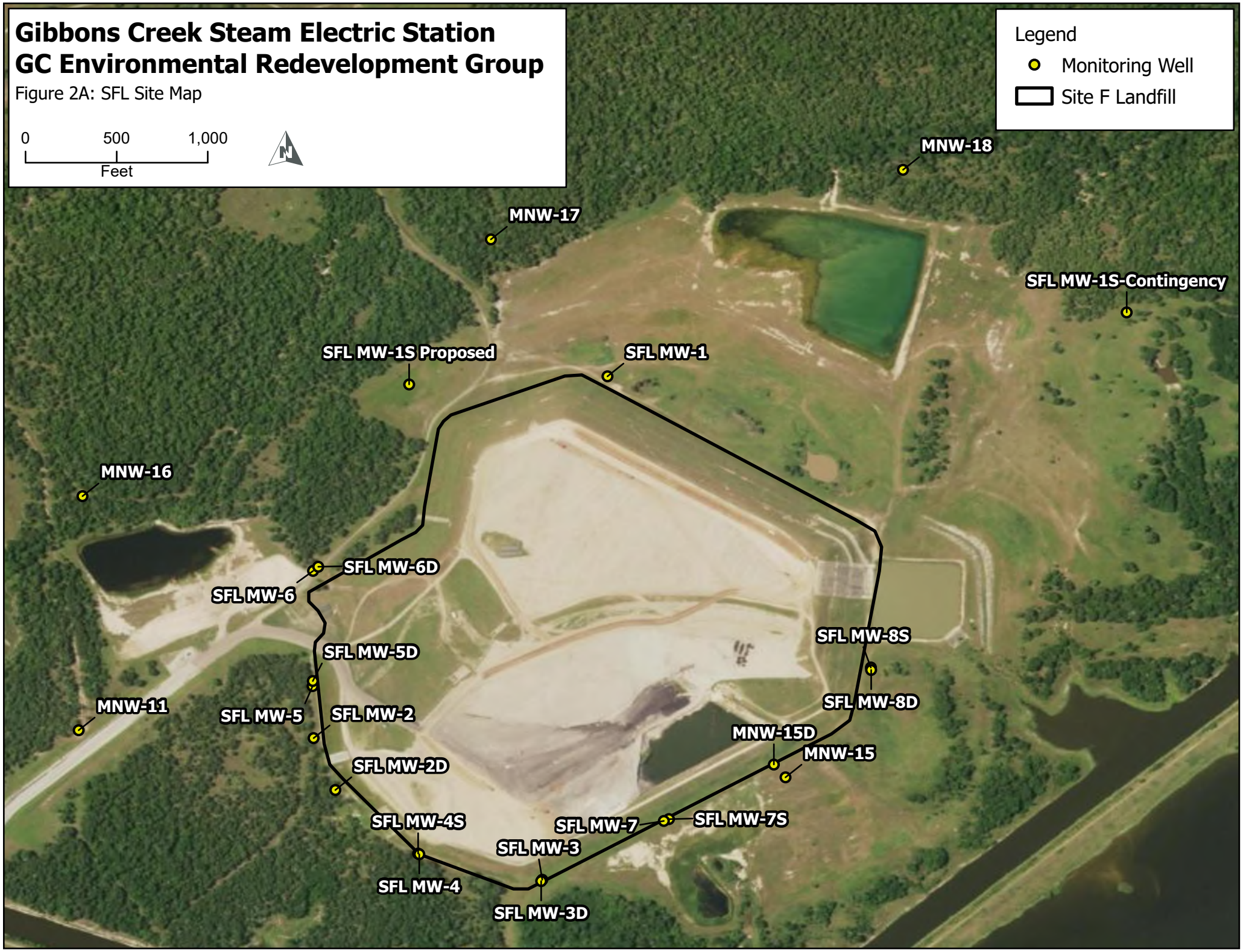
Figures

GIBBONS CREEK STEAM ELECTRIC STATION
GC ENVIRONMENTAL REDEVELOPMENT GROUP

FIGURE 1: SITE LOCATION MAP
ALTERNATIVE SOURCE DEMONSTRATION - ADDENDUM #1

0 5 10
Miles

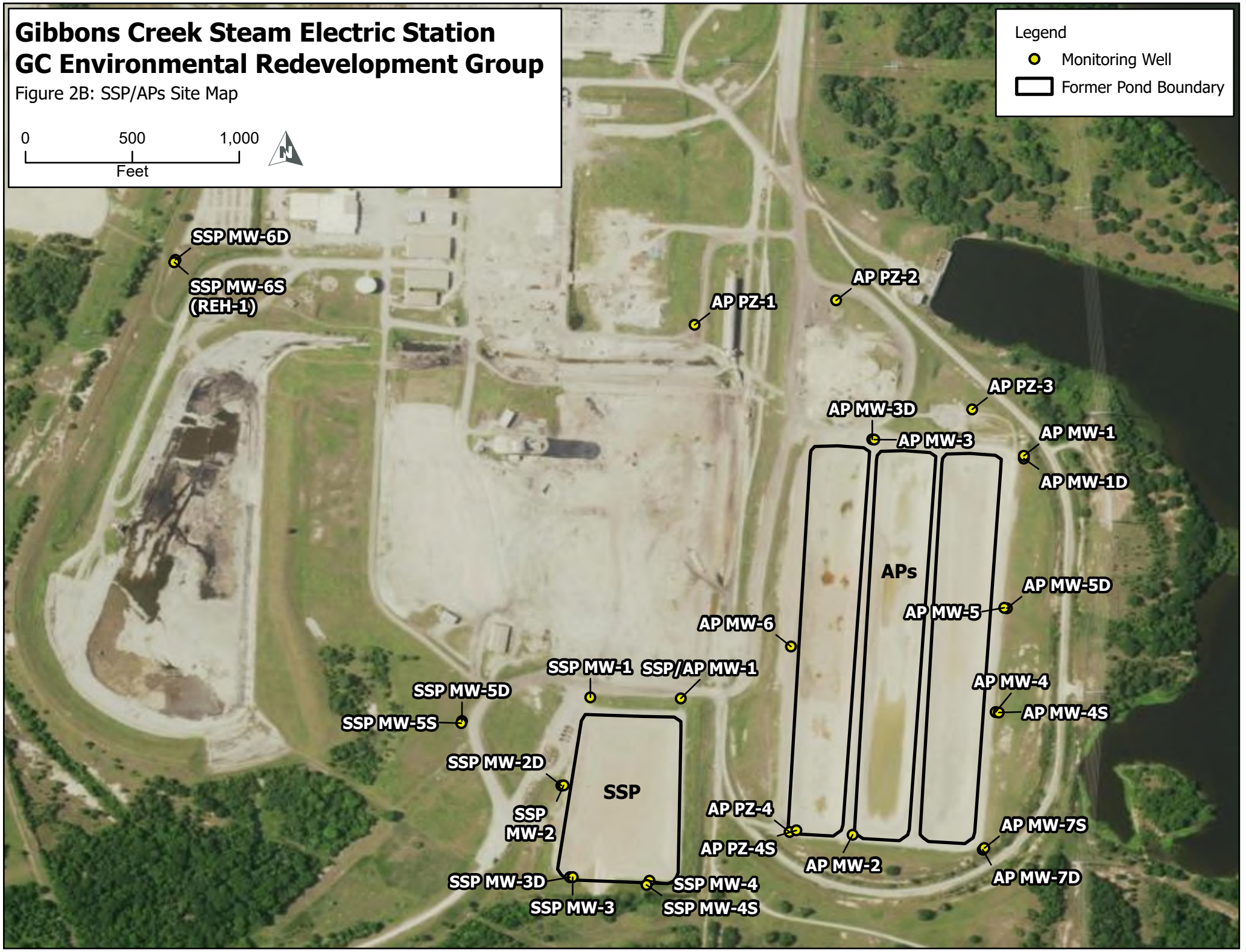



Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group
Figure 2A: SFL Site Map
0
500
1,000
Feet
N
Legend
Monitoring Well
Site F Landfill
MNW-18
MNW-17
SFL MW-1S-Contingency
SFL MW-1S Proposed
SFL MW-1
MNW-16
SFL MW-6D
SFL MW-6
SFL MW-8S
SFL MW-5D
SFL MW-8D
MNW-11
SFL MW-5
SFL MW-2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

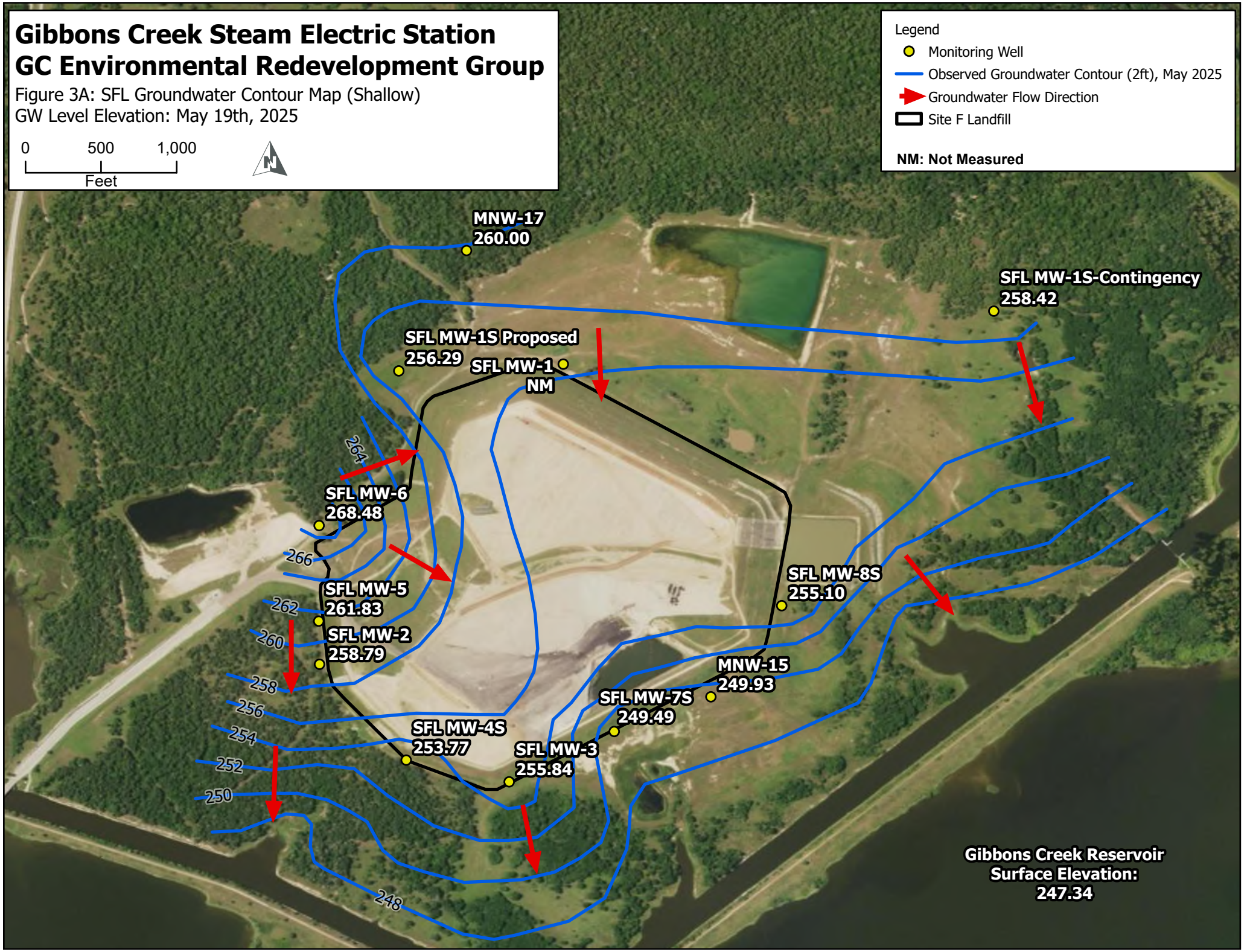
0 500 1,000
Feet



Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

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

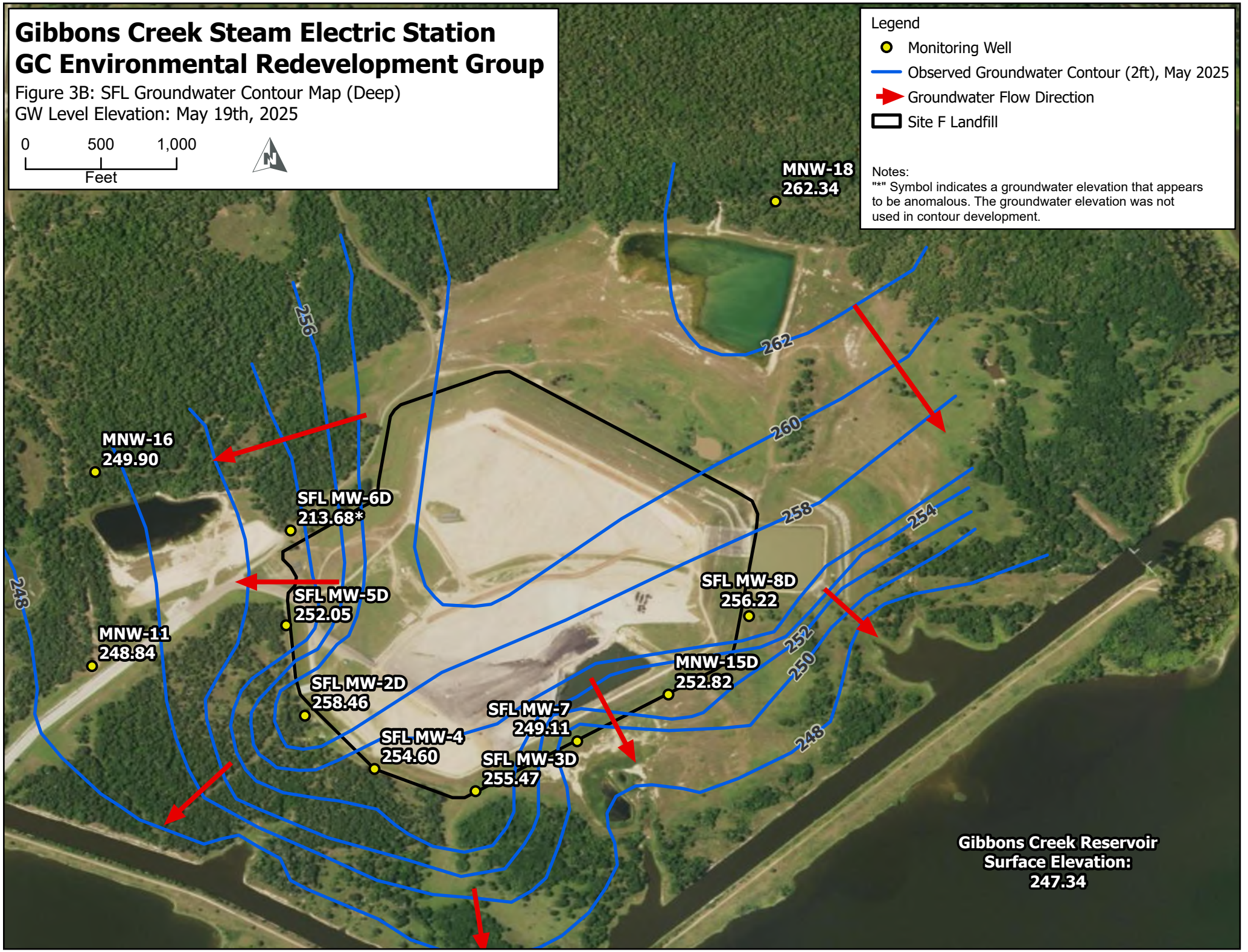
0 500 1,000
Feet



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

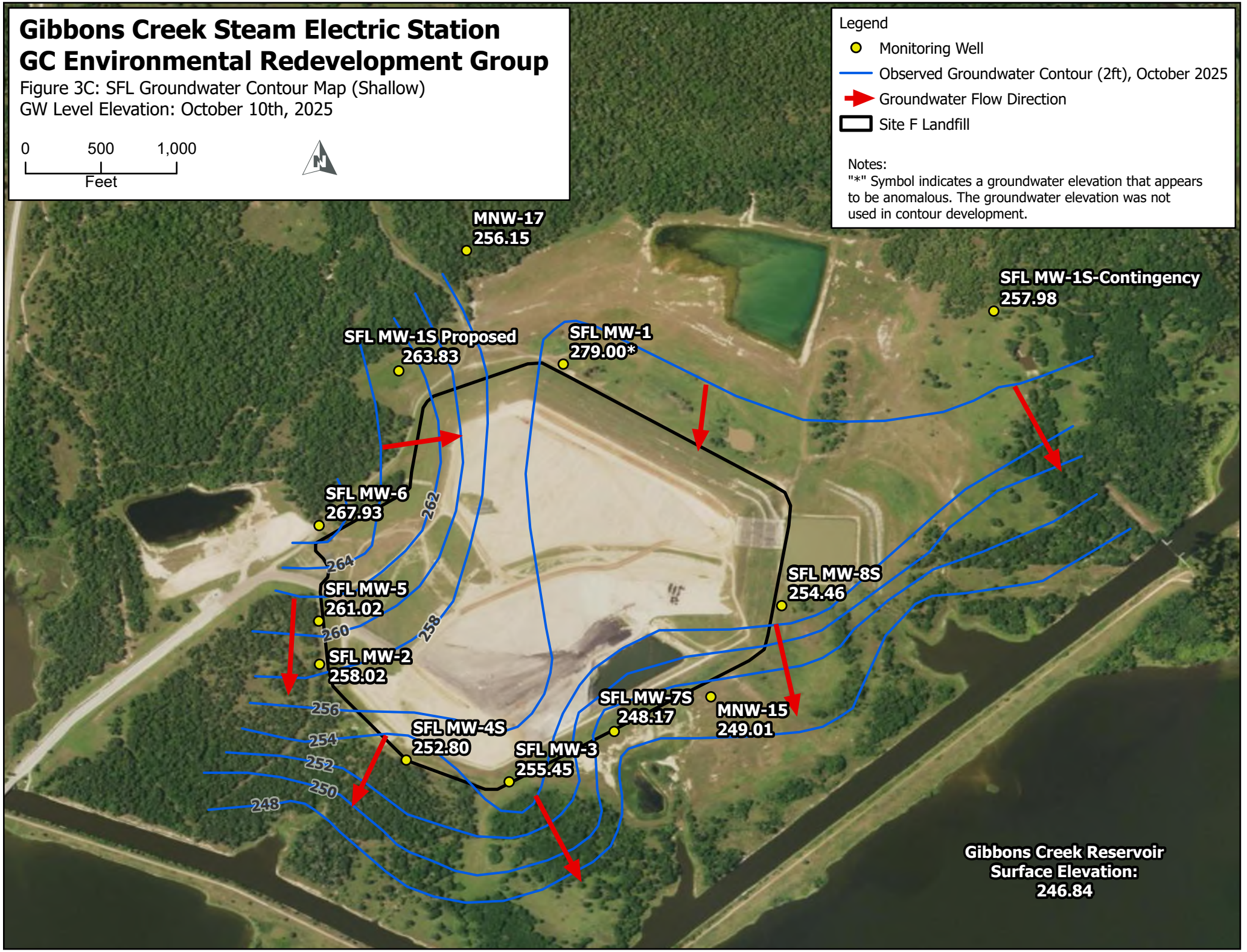
Figure 3C: SFL Groundwater Contour Map (Shallow)
GW Level Elevation: October 10th, 2025

0 500 1,000
Feet

N

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

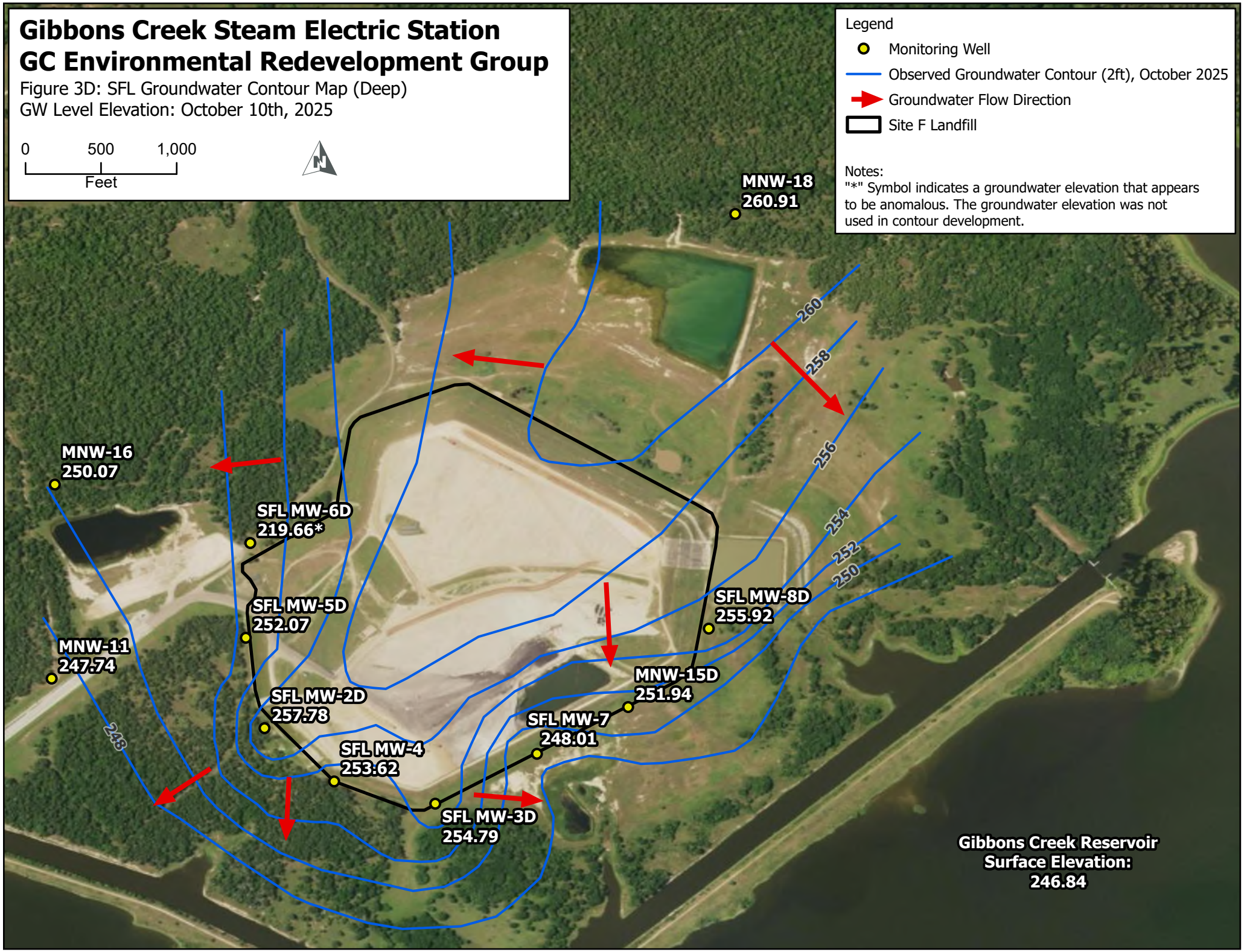
Notes:
"*" Symbol indicates a groundwater elevation that appears to be anomalous. The groundwater elevation was not used in contour development.



Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

Figure 3D: SFL Groundwater Contour Map (Deep)
GW Level Elevation: October 10th, 2025

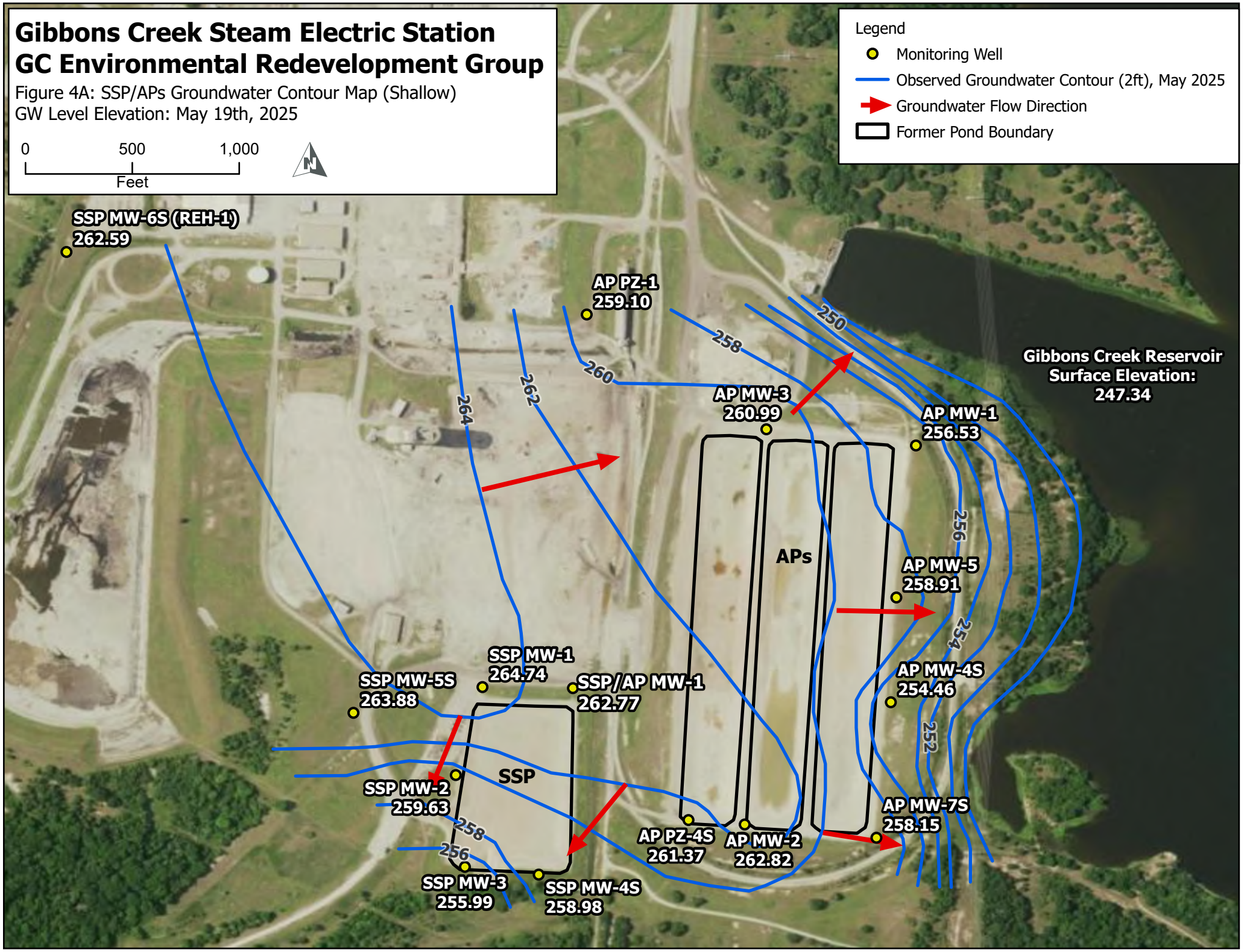
0 500 1,000
Feet

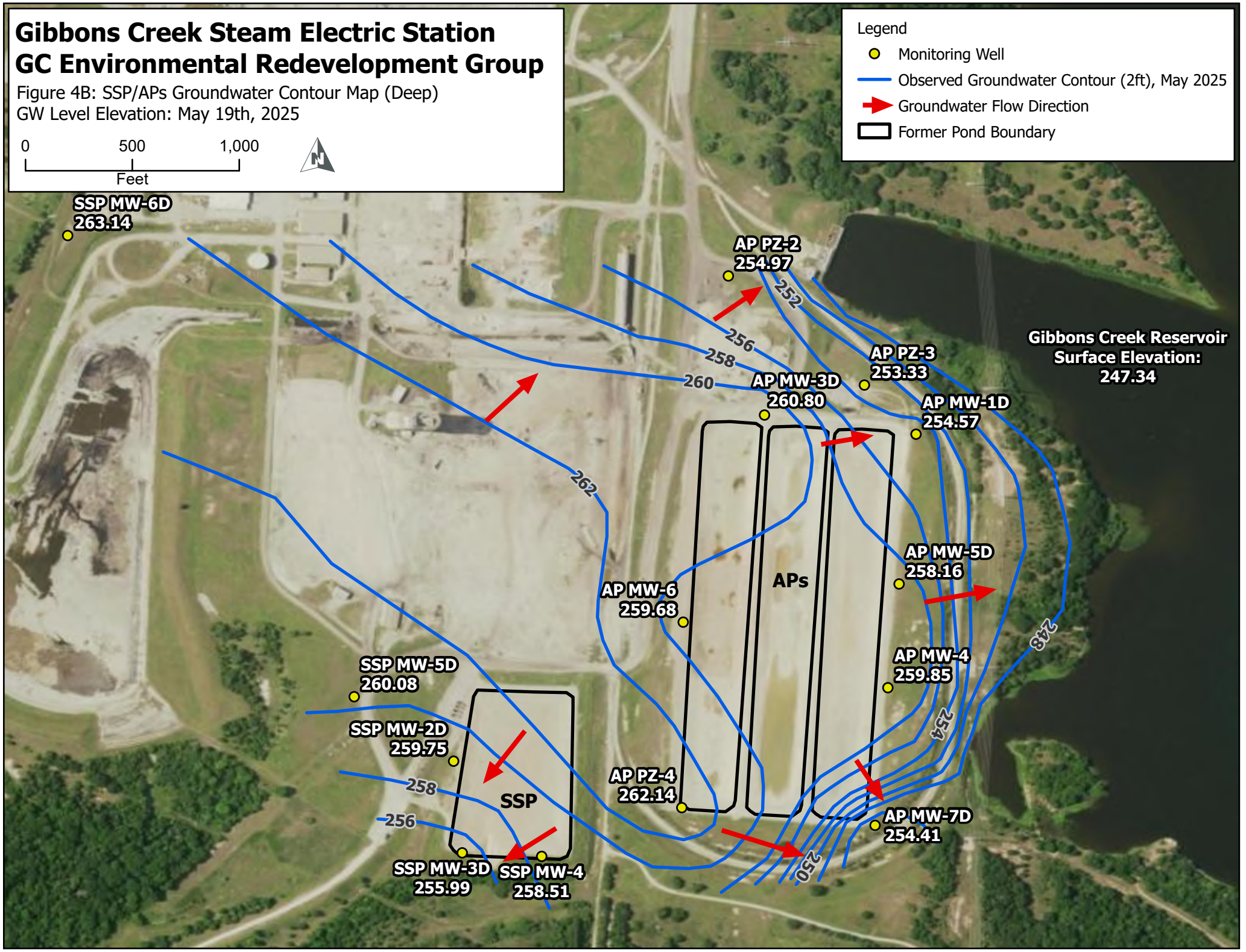


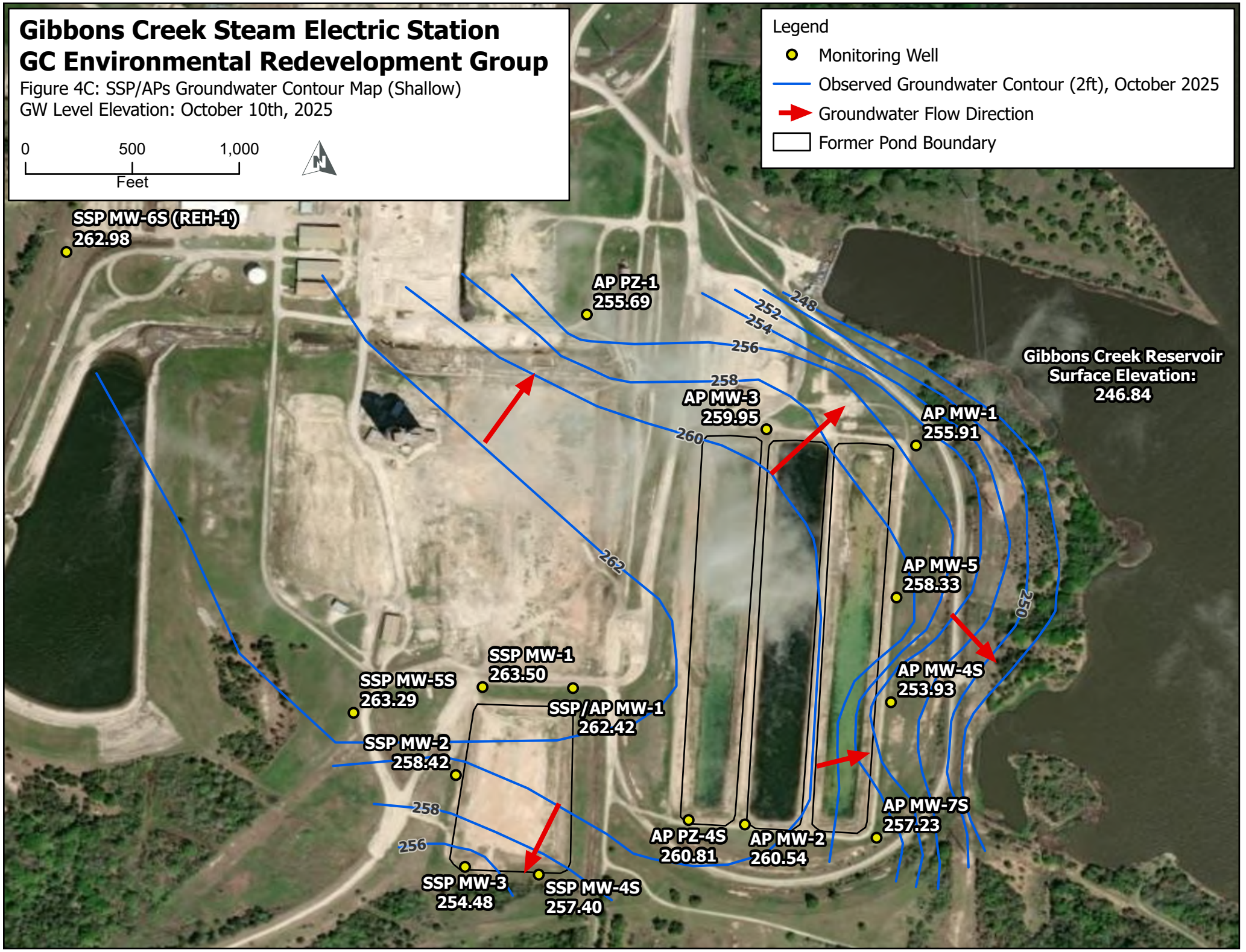
Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group

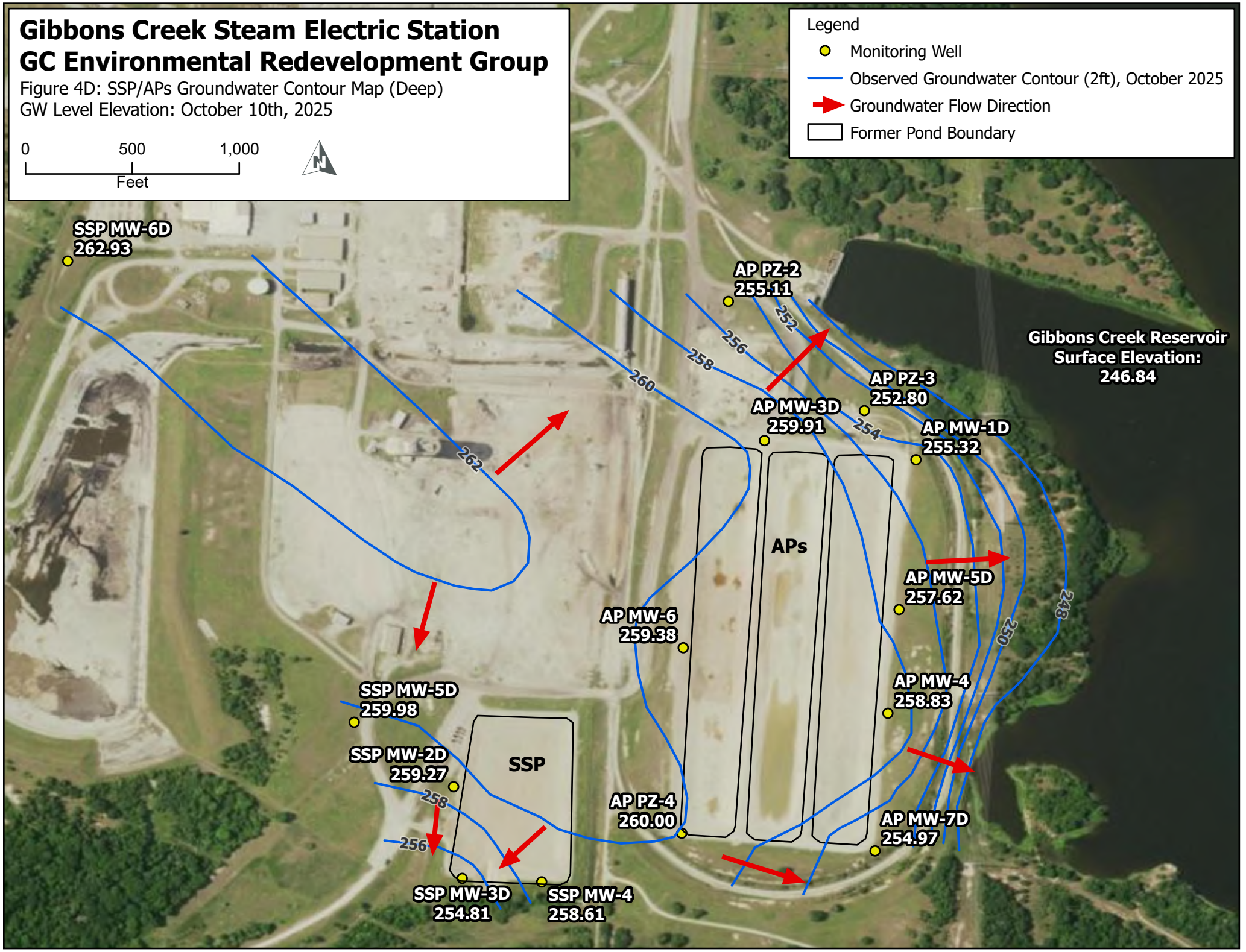
Figure 4A: SSP/APs Groundwater Contour Map (Shallow)
GW Level Elevation: May 19th, 2025

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: October 10th, 2025
0
500
1,000
Feet
N
Legend
Monitoring Well
Observed Groundwater Contour (2ft), October 2025
Groundwater Flow Direction
Former Pond Boundary
SSP MW-6S (REH-1)
262.98
AP PZ-1
255.69
248
252
254
256
258
260
262
250
Gibbons Creek Reservoir
Surface Elevation:
246.84
AP MW-3
259.95
AP MW-1
255.91
AP MW-5
258.33
AP MW-4S
253.93
AP MW-7S
257.23
SSP MW-1
263.50
SSP MW-5S
263.29
SSP/AP MW-1
262.42
SSP MW-2
258.42
AP PZ-4S
260.81
AP MW-2
260.54
SSP MW-3
254.48
SSP MW-4S
257.40


Gibbons Creek Steam Electric Station
GC Environmental Redevelopment Group
Figure 4D: SSP/APs Groundwater Contour Map (Deep)
GW Level Elevation: October 10th, 2025
0
500
1,000
Feet
N
Legend
Monitoring Well
Observed Groundwater Contour (2ft), October 2025
Groundwater Flow Direction
Former Pond Boundary
SSP MW-6D
262.93
AP PZ-2
255.11
AP PZ-3
252.80
AP MW-3D
259.91
AP MW-1D
255.32
Gibbons Creek Reservoir
Surface Elevation:
246.84
APs
AP MW-5D
257.62
AP MW-6
259.38
AP MW-4
258.83
SSP MW-5D
259.98
SSP MW-2D
259.27
SSP
AP PZ-4
260.00
AP MW-7D
254.97
SSP MW-3D
254.81
SSP MW-4
258.61
262
260
258
256
254
252
250
248

Appendix A

Groundwater & Liquids Analytical Summary Tables

Table A-1
Monitoring Well Piezometer Well Construction and Water Level Summary
Alternative Source Demonstration - Addendum #2
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	Depth to Water (Feet BTOC) August 22, 2025	Groundwater Elevation (Feet AMSL) August 22, 2025
SFL - Shallow Groundwater Monitoring												
SFL MW-1	UG	20	301.80	298.90	283.9	278.9	NM	NM	21.44	280.36	21.33	280.47
SFL MW-1S(R) - Proposed	UG	35	292.37	289.2	264.5	254.5	36.08	256.29	31.05	261.32	30.59	261.78
SFL MW-1S(R) - Contingency	UG/CG	27	275.44	272.2	255.5	245.5	17.02	258.42	17.03	258.41	17.02	258.42
SFL MW-2	DG	50	268.31	265.69	249.7	244.7	9.52	258.79	9.58	258.73	9.69	258.62
SFL MW-3	DG	25	275.00	271.65	252.2	247.2	19.16	255.84	19.38	255.62	19.35	255.65
SFL MW-4S	DG	30	269.08	265.9	255.2	245.2	15.31	253.77	15.45	253.63	15.48	253.60
SFL MW-5	DG	25	276.25	273.33	257.3	252.3	14.42	261.83	14.46	261.79	14.70	261.55
SFL MW-6	UG	20	286.66	283.49	269.0	264.0	18.18	268.48	18.73	267.93	18.62	268.04
SFL MW-7S	DG	30	264.47	261.4	245.7	235.7	14.98	249.49	14.77	249.70	15.59	248.88
SFL MW-8S	DG	20	266.38	263.1	253.4	243.4	11.28	255.10	11.38	255.00	11.50	254.88
MNW-15	DG	35	257.33	257.54	235.3	230.3	7.40	249.93	7.01	250.32	7.60	249.73
MNW-17	UG	50	293.72	293.864	248.5	243.5	33.72	260.00	37.85	255.87	37.40	256.32
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	4.57	258.06
SFL MW-3D	DG	60	275.13	271.9	223.2	213.2	19.66	255.47	19.78	255.35	19.81	255.32
SFL MW-4	DG	40	269.53	266.46	232.0	227.0	14.93	254.60	15.09	254.44	15.20	254.33
SFL MW-5D	DG	64	277.02	273.7	221.0	211.0	24.97	252.05	24.80	252.22	24.93	252.09
SFL MW-6D	DG	80	286.01	283.0	222.3	212.3	72.33	213.68	68.85	217.16	68.30	217.71
SFL MW-7	DG	55	264.63	264.83	214.8	209.8	15.52	249.11	15.44	249.19	16.12	248.51
SFL MW-8D	DG	45	266.24	263.1	230.4	220.4	10.02	256.22	10.00	256.24	10.00	256.24
MNW-11	DG	50	267.95	268.12	225.7	220.7	19.11	248.84	20.70	247.25	20.53	247.42
MNW-15D	DG	50	258.52	255.3	211.6	206.6	5.70	252.82	5.59	252.93	6.03	252.49
MNW-16	UG	39	263.19	263.333	227.8	222.8	13.29	249.90	12.56	250.63	12.73	250.46
MNW-18	UG	50	270.76	270.912	224.7	219.7	8.42	262.34	8.37	262.39	9.19	261.57

Table A-1
Monitoring Well Piezometer Well Construction and Water Level Summary
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Well/Piezometer ID	Depth to Water (Feet BTOC) October 10, 2025	Groundwater Elevation (Feet AMSL) October 10, 2025	Depth to Water (Feet BTOC)	Groundwater Elevation (Feet AMSL)	Depth to Water (Feet BTOC)	Groundwater Elevation (Feet AMSL)	Depth to Water (Feet BTOC)	Groundwater Elevation (Feet AMSL)	Depth to Water (Feet BTOC)	Groundwater Elevation (Feet AMSL)
SFL - Shallow Groundwater Monitoring										
SFL MW-1	22.80	279.00								
SFL MW-1S(R) - Proposed	28.54	263.83								
SFL MW-1S(R) - Contingency	17.46	257.98								
SFL MW-2	10.29	258.02								
SFL MW-3	19.55	255.45								
SFL MW-4S	16.28	252.80								
SFL MW-5	15.23	261.02								
SFL MW-6	18.73	267.93								
SFL MW-7S	16.30	248.17								
SFL MW-8S	11.92	254.46								
MNW-15	8.32	249.01								
MNW-17	37.57	256.15								
SFL - Deep Groundwater Monitoring										
SFL MW-2D	4.85	257.78								
SFL MW-3D	20.34	254.79								
SFL MW-4	15.91	253.62								
SFL MW-5D	24.95	252.07								
SFL MW-6D	66.35	219.66								
SFL MW-7	16.62	248.01								
SFL MW-8D	10.32	255.92								
MNW-11	20.21	247.74								
MNW-15D	6.58	251.94								
MNW-16	13.12	250.07								
MNW-18	9.85	260.91								

Table A-1
Monitoring Well Piezometer Well Construction and Water Level Summary
Alternative Source Demonstration - Addendum #2
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	Depth to Water (Feet BTOC) August 22, 2025	Groundwater Elevation (Feet AMSL) August 22, 2025
SSP/AP - 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	14.98	256.58
AP MW-2 [3]	DG/CG	35	274.97	272.0	259.8	254.8	12.15	262.82	12.52	262.45	13.45	261.52
AP MW-3	DG/CG	40	274.68	271.46	237.0	232.0	13.69	260.99	13.70	260.98	14.06	260.62
AP MW-4S	DG	35	273.92	270.8	246.1	236.1	19.46	254.46	19.15	254.77	19.65	254.27
AP MW-5	DG	40	274.13	271.16	240.7	235.7	15.22	258.91	15.02	259.11	15.33	258.80
AP MW-7S	DG	35	279.58	276.4	251.7	241.7	21.43	258.15	21.35	258.23	21.78	257.80
AP PZ-1	UG	35	265.67	262.70	241.7	236.7	6.57	259.10	6.18	259.49	8.45	257.22
AP PZ-4S	DG/CG	35	273.69	270.7	246.0	236.0	12.32	261.37	12.13	261.56	12.56	261.13
SSP / AP MW-1	UG	40	272.53	269.33	239.8	229.8	9.76	262.77	9.95	262.58	9.84	262.69
SSP MW-1 [3]	UG	28	281.18	279.0	254.3	249.3	16.44	264.74	16.62	264.56	17.03	264.15
SSP MW-2	DG	45	283.66	280.62	242.1	237.1	24.03	259.63	24.10	259.56	24.61	259.05
SSP MW-3	DG	45	283.65	280.95	241.5	236.5	27.66	255.99	27.66	255.99	28.38	255.27
SSP MW-4S	DG	33	284.38	281.1	258.4	248.4	25.40	258.98	25.36	259.02	26.38	258.00
SSP MW-5S	UG	40	283.77	280.7	251.0	241.0	19.89	263.88	20.01	263.76	20.00	263.77
SSP MW-6S (REH-01)	UG	32.5	271.03	268.9	246.4	236.4	8.44	262.59	7.82	263.21	7.64	263.39
SSP/AP - Deep Groundwater Monitoring												
AP MW-1D	DG	40	272.04	269.02	234.5	229.5	17.47	254.57	15.98	256.06	16.10	255.94
AP MW-3D	DG/CG	55	273.67	270.5	225.8	215.8	12.87	260.80	12.81	260.86	13.11	260.56
AP MW-4	DG	50	274.16	270.93	226.4	221.4	14.31	259.85	14.20	259.96	14.80	259.36
AP MW-5D	DG	52	273.76	270.7	229.0	219.0	15.60	258.16	15.48	258.28	15.62	258.14
AP MW-6	UG	50	277.78	274.74	233.7	228.7	18.10	259.68	17.92	259.86	17.96	259.82
AP MW-7D	DG	53	279.42	276.4	233.7	223.7	34.01	245.41	35.08	244.34	24.73	254.69
AP PZ-2	DG/CG	40	274.91	271.71	237.2	232.2	19.94	254.97	18.63	256.28	18.89	256.02
AP PZ-3	DG	40	259.11	255.76	221.3	216.3	5.78	253.33	5.83	253.28	5.80	253.31
AP PZ-4	DG/CG	45	273.65	271.39	232.9	227.9	11.51	262.14	12.98	260.67	13.88	259.77
SSP MW-2D	DG	60	283.00	279.7	230.0	220.0	23.25	259.75	23.28	259.72	23.36	259.64
SSP MW-3D	DG	57	284.13	281.3	229.6	224.6	28.14	255.99	27.99	256.14	27.64	256.49
SSP MW-4	DG	50	283.86	280.86	237.9	232.9	25.35	258.51	24.97	258.89	24.96	258.90
SSP MW-5D	UG	60	283.96	280.7	231.0	221.0	23.88	260.08	23.52	260.44	23.78	260.18
SSP MW-6D	UG	50	271.08	268.0	228.3	218.3	7.94	263.14	7.91	263.17	8.15	262.93

Table A-1
Monitoring Well Piezometer Well Construction and Water Level Summary
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Well/Piezometer ID	Depth to Water (Feet BTOC) October 10, 2025	Groundwater Elevation (Feet AMSL) October 10, 2025	Depth to Water (Feet BTOC)	Groundwater Elevation (Feet AMSL)	Depth to Water (Feet BTOC)	Groundwater Elevation (Feet AMSL)	Depth to Water (Feet BTOC)	Groundwater Elevation (Feet AMSL)	Depth to Water (Feet BTOC)	Groundwater Elevation (Feet AMSL)
SSP/AP - Shallow Groundwater Monitoring										
AP MW-1 [3]	15.65	255.91								
AP MW-2 [3]	14.43	260.54								
AP MW-3	14.73	259.95								
AP MW-4S	19.99	253.93								
AP MW-5	15.80	258.33								
AP MW-7S	22.35	257.23								
AP PZ-1	9.98	255.69								
AP PZ-4S	12.88	260.81								
SSP / AP MW-1	10.11	262.42								
SSP MW-1 [3]	17.68	263.50								
SSP MW-2	25.24	258.42								
SSP MW-3	29.17	254.48								
SSP MW-4S	26.98	257.40								
SSP MW-5S	20.48	263.29								
SSP MW-6S (REH-01)	8.05	262.98								
SSP/AP - Deep Groundwater Monitoring										
AP MW-1D	16.72	255.32								
AP MW-3D	13.76	259.91								
AP MW-4	15.33	258.83								
AP MW-5D	16.14	257.62								
AP MW-6	18.40	259.38								
AP MW-7D	24.45	254.97								
AP PZ-2	19.80	255.11								
AP PZ-3	6.31	252.80								
AP PZ-4	13.65	260.00								
SSP MW-2D	23.73	259.27								
SSP MW-3D	29.32	254.81								
SSP MW-4	25.25	258.61								
SSP MW-5D	23.98	259.98								
SSP MW-6D	8.15	262.93								

Notes:
AMSL - Above Mean Sea Level
AP - Ash Ponds
BGS - Below Ground Surface
BTOC - Below Top of Casing
SFL - Site F Landfill
SSP - Scrubber Sludge Pond
Well Designations:
CG - Cross-gradient; DG - Down-gradient; UG - Up-gradient

Comments:
1. Well designation is based on the general groundwater flow direction relative to the monitored CCR unit.
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.

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater									
Sample Location:		SFL MW-1S(R) - Proposed								SFL MW-1S(R) - Proposed (Dissolved)	
Screen Interval Elevation (feet AMSL):		254.5 - 264.5								254.5 - 264.5	
Sample Date:		5/21/2025	7/23/2025	8/28/2025	10/15/2025					8/28/2025	10/15/2025
Constituent	Unit										
		Field Parameters									
Temperature	°C	--	--	22.4	22.8					22.4	22.8
Conductivity	µS/cm	--	--	9,290	9,518					9,290	9,518
ORP	mV	--	--	-84.0	95.0					-84.0	95.0
D.O.	mg/L	--	--	0.47	1.85					0.47	1.85
Turbidity	NTU	--	--	47.4	44.2					47.4	44.2
pH, Field	SU	--	--	6.32	6.46					6.32	6.46
		Additional Chemistry Evaluation									
Aluminum	mg/L	--	--	<0.00549	<0.0110					0.439	<0.0352
Iron	mg/L	--	--	1.09	0.456					3.39	0.420
Magnesium	mg/L	--	--	86.7	99.0					97.0	95.4
Potassium	mg/L	--	--	43.3	39.8					44.6	48.4
Sodium	mg/L	--	--	1,230	1,260					1,410	1,240
Alkalinity	mg/L	--	--	187	171					--	--
		Appendix III									
Boron	mg/L	--	--	0.355	0.356					0.341	0.346
Calcium	mg/L	--	--	630	650					650	591
Chloride	mg/L	--	--	2,560	2,720					--	--
Fluoride[1]	mg/L	--	--	<1.00	0.180 J					--	--
pH, Laboratory	SU	--	--	6.5	6.5					--	--
Sulfate	mg/L	--	--	1,320	1,300					--	--
Total Dissolved Solids	mg/L	--	--	7,540	5,660					--	--
		Appendix IV									
Antimony	mg/L	--	--	<0.000750	<0.00150					<0.00803	<0.00803
Arsenic	mg/L	--	--	<0.000690	<0.00138					<0.00650	<0.00650
Barium	mg/L	--	--	0.0544	0.0531					0.0540	0.0462
Beryllium	mg/L	--	--	<0.000271	<0.000542					<0.00107	<0.00107
Cadmium	mg/L	--	--	<0.000240	<0.000480					0.00312 J	<0.000831
Chromium	mg/L	--	--	<0.000560	<0.00112					<0.00216	<0.00216
Cobalt	mg/L	--	--	0.00229	0.00395 J					0.00308 J	0.00188 J
Lead	mg/L	--	--	<0.000367	<0.000734					<0.00368	<0.00368
Lithium	mg/L	--	--	0.184	0.338					0.0453	0.0404
Mercury	mg/L	--	--	<0.0000706	<0.0000706					<0.0000706	<0.0000706
Molybdenum	mg/L	--	--	0.00399	0.00347 J					<0.00260	<0.00260
Radium-226/228	pCi/L	--	--	5.90	6.88					--	--
Selenium	mg/L	--	--	0.00123 J	0.00125 J					<0.00927	<0.00927
Thallium	mg/L	--	--	<0.000415	<0.000830					<0.0110	<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		SFL MW-1S(R) - Contingency							
Screen Interval Elevation (feet AMSL):		245.5 - 255.5							
Sample Date:		5/21/2025	7/21/2025	8/27/2025	10/15/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	22.9	25.1	23.6	22.3				
Conductivity	µS/cm	7,854	8,826	8,613	8,697				
ORP	mV	-166.7	-32.7	-91.0	39.9				
D.O.	mg/L	0.17	0.21	1.14	0.48				
Turbidity	NTU	9.86	5.13	5.13	5.53				
pH, Field	SU	5.48	4.14	4.14	4.46				
		Additional Chemistry Evaluation							
Aluminum	mg/L	6.51	14.6	15.9	4.00				
Iron	mg/L	1.76	7.04	8.31	3.67				
Magnesium	mg/L	148	142	155	164				
Potassium	mg/L	21.9	23.4	23.4	14.3				
Sodium	mg/L	815	740	815	765				
Alkalinity	mg/L	7.14	<4.00	<4.00	<4.00				
		Appendix III							
Boron	mg/L	0.363	0.319	0.313	0.223 J				
Calcium	mg/L	890	820	910	840				
Chloride	mg/L	1,870	1,700	2,190	2,440				
Fluoride[1]	mg/L	1.62 J	1.31 J	1.05 J	1.21				
pH, Laboratory	SU	4.7	4.0	4.2	4.4				
Sulfate	mg/L	1,630	1,450	1,940	1,890				
Total Dissolved Solids	mg/L	5,760	6,380	6,930	5,570				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	0.000800 J	<0.000750				
Arsenic	mg/L	0.00847	0.0143	0.0150	0.00796				
Barium	mg/L	0.0324	0.0214	0.0322	0.0294				
Beryllium	mg/L	0.0472	0.0547	0.0647	0.0441				
Cadmium	mg/L	0.0355	0.0229	0.0203	0.0372				
Chromium	mg/L	0.00105 J	0.00175 J	0.00257 J	0.00128 J				
Cobalt	mg/L	0.253	0.290	0.293	0.255				
Lead	mg/L	0.00238	0.00414 J	0.00530	0.00325				
Lithium	mg/L	0.369	3.30	0.103	0.307				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	<0.000255	<0.000255	<0.000255	<0.000255				
Radium-226/228	pCi/L	1.83	1.50	0.569	2.95				
Selenium	mg/L	0.0975	0.000840	0.000926 J	0.00157 J				
Thallium	mg/L	0.00619	0.00740 J	0.00795	0.00507				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		SFL MW-2							
Screen Interval Elevation (feet AMSL):		244.7 - 249.7							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	22.5	--	--	--				
Conductivity	µS/cm	10,068	--	--	--				
ORP	mV	119.0	--	--	--				
D.O.	mg/L	0.22	--	--	--				
Turbidity	NTU	2.40	--	--	--				
pH, Field	SU	6.01	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.196	--	--	--				
Iron	mg/L	0.0541	--	--	--				
Magnesium	mg/L	138	--	--	--				
Potassium	mg/L	67.7	--	--	--				
Sodium	mg/L	1,450	--	--	--				
Alkalinity	mg/L	94.9	--	--	--				
		Appendix III							
Boron	mg/L	0.672	--	--	--				
Calcium	mg/L	890	--	--	--				
Chloride	mg/L	2,620	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	6.1	--	--	--				
Sulfate	mg/L	1,700	--	--	--				
Total Dissolved Solids	mg/L	5,870	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.000999 J	--	--	--				
Barium	mg/L	0.0211	--	--	--				
Beryllium	mg/L	0.00276	--	--	--				
Cadmium	mg/L	0.00152 J	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	0.0111	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	0.571	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	0.000409 J	--	--	--				
Radium-226/228	pCi/L	8.72	--	--	--				
Selenium	mg/L	0.00256	--	--	--				
Thallium	mg/L	0.000533 J	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		SFL MW-3							
Screen Interval Elevation (feet AMSL):		247.2 - 252.2							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.6	--	--	--				
Conductivity	µS/cm	5,980	--	--	--				
ORP	mV	417.3	--	--	--				
D.O.	mg/L	0.17	--	--	--				
Turbidity	NTU	4.45	--	--	--				
pH, Field	SU	3.80	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	7.79	--	--	--				
Iron	mg/L	1.36	--	--	--				
Magnesium	mg/L	93.3	--	--	--				
Potassium	mg/L	54.0	--	--	--				
Sodium	mg/L	630	--	--	--				
Alkalinity	mg/L	<4.00	--	--	--				
		Appendix III							
Boron	mg/L	5.31	--	--	--				
Calcium	mg/L	474	--	--	--				
Chloride	mg/L	726	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	3.8	--	--	--				
Sulfate	mg/L	2,520	--	--	--				
Total Dissolved Solids	mg/L	4,960	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.00286 J	--	--	--				
Barium	mg/L	0.0115	--	--	--				
Beryllium	mg/L	0.0293	--	--	--				
Cadmium	mg/L	0.00436	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	0.0451	--	--	--				
Lead	mg/L	0.0155	--	--	--				
Lithium	mg/L	0.339	--	--	--				
Mercury	mg/L	0.000143 J	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	5.26	--	--	--				
Selenium	mg/L	0.0285	--	--	--				
Thallium	mg/L	0.00482	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		SFL MW-4S							
Screen Interval Elevation (feet AMSL):		245.2 - 255.2							
Sample Date:		5/21/2025	7/21/2025	8/28/2025	10/15/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	24.9	27.7	24.7	27.5				
Conductivity	µS/cm	11,794	13,122	12,985	12,940				
ORP	mV	532.4	-40.8	-85.0	312.9				
D.O.	mg/L	0.97	0.26	0.78	0.28				
Turbidity	NTU	5.93	8.00	1.11	2.56				
pH, Field	SU	5.23	4.48	4.25	4.30				
		Additional Chemistry Evaluation							
Aluminum	mg/L	1.49	2.78	4.11	4.24				
Iron	mg/L	0.123	0.175	0.255	0.422				
Magnesium	mg/L	262	277	323	262				
Potassium	mg/L	83.7	82.4	79.2	76.5				
Sodium	mg/L	1,340	1,430	1,730	1,530				
Alkalinity	mg/L	38.3	6.31	<4.00	<4.00				
		Appendix III							
Boron	mg/L	3.41	1.76	1.85	1.83				
Calcium	mg/L	925	975	1,170	1,070				
Chloride	mg/L	3,160	4,010	3,790	4,260				
Fluoride[1]	mg/L	1.88 J	<0.500	<1.00	<1.00				
pH, Laboratory	SU	5.3	4.4	4.4	4.4				
Sulfate	mg/L	2,030	2,080	2,150	2,410				
Total Dissolved Solids	mg/L	8,610	6,280	7,960	6,510				
		Appendix IV							
Antimony	mg/L	0.00134 J	<0.000750	<0.00375	<0.000750				
Arsenic	mg/L	0.00451	0.00495	0.00543	0.00455				
Barium	mg/L	0.0686	0.0483	0.0588	0.0428				
Beryllium	mg/L	0.0381	0.0494	0.0554	0.0557				
Cadmium	mg/L	0.0270	0.0365	0.0391	0.0316				
Chromium	mg/L	0.00959	0.00582	0.00565	0.00551				
Cobalt	mg/L	0.117	0.109	0.126	0.109				
Lead	mg/L	0.00224	<0.00184	0.00188 J	0.00344				
Lithium	mg/L	0.791	3.61	0.317	0.819				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.000718 J	<0.000255	<0.000255	<0.000255				
Radium-226/228	pCi/L	7.99	8.75	9.05	8.60				
Selenium	mg/L	0.0557	<0.000590	<0.000590	<0.000590				
Thallium	mg/L	0.00438	0.00450 J	0.00519 J	0.00520				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		SFL MW-5							
Screen Interval Elevation (feet AMSL):		252.3 - 257.3							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	22.9	--	--	--				
Conductivity	µS/cm	1,087	--	--	--				
ORP	mV	54.2	--	--	--				
D.O.	mg/L	0.51	--	--	--				
Turbidity	NTU	3.22	--	--	--				
pH, Field	SU	4.27	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.637	--	--	--				
Iron	mg/L	0.195	--	--	--				
Magnesium	mg/L	144	--	--	--				
Potassium	mg/L	58.3	--	--	--				
Sodium	mg/L	1,090	--	--	--				
Alkalinity	mg/L	<4.00	--	--	--				
		Appendix III							
Boron	mg/L	6.59	--	--	--				
Calcium	mg/L	602	--	--	--				
Chloride	mg/L	2,480	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	4.4	--	--	--				
Sulfate	mg/L	2,350	--	--	--				
Total Dissolved Solids	mg/L	6,740	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.00166 J	--	--	--				
Barium	mg/L	0.0153	--	--	--				
Beryllium	mg/L	0.0114	--	--	--				
Cadmium	mg/L	0.00402	--	--	--				
Chromium	mg/L	0.00691	--	--	--				
Cobalt	mg/L	0.0444	--	--	--				
Lead	mg/L	0.000602 J	--	--	--				
Lithium	mg/L	0.729	--	--	--				
Mercury	mg/L	0.000233	--	--	--				
Molybdenum	mg/L	0.000309 J	--	--	--				
Radium-226/228	pCi/L	15.7	--	--	--				
Selenium	mg/L	0.0220	--	--	--				
Thallium	mg/L	0.00121 J	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater								
Sample Location:		SFL MW-6								SFL MW-6 (Dissolved)
Screen Interval Elevation (feet AMSL):		264.0 - 269.0								264.0 - 269.0
Sample Date:		5/20/2025	NS	NS	NS					5/20/2025
Constituent	Unit									
		Field Parameters								
Temperature	°C	25.0	--	--	--					25.0
Conductivity	µS/cm	13,984	--	--	--					13,984
ORP	mV	162.7	--	--	--					162.7
D.O.	mg/L	0.41	--	--	--					0.41
Turbidity	NTU	23.9	--	--	--					23.9
pH, Field	SU	3.81	--	--	--					3.81
		Additional Chemistry Evaluation								
Aluminum	mg/L	10.9	--	--	--					7.42
Iron	mg/L	1.17	--	--	--					9.57
Magnesium	mg/L	249	--	--	--					278
Potassium	mg/L	88.0	--	--	--					93.8
Sodium	mg/L	1,850	--	--	--					2,060
Alkalinity	mg/L	<4.00	--	--	--					--
		Appendix III								
Boron	mg/L	0.315	--	--	--					0.353
Calcium	mg/L	875	--	--	--					1,060
Chloride	mg/L	4,550	--	--	--					--
Fluoride[1]	mg/L	<1.00	--	--	--					--
pH, Laboratory	SU	3.7	--	--	--					--
Sulfate	mg/L	2,420	--	--	--					--
Total Dissolved Solids	mg/L	11,000	--	--	--					--
		Appendix IV								
Antimony	mg/L	<0.000750	--	--	--					<0.00803
Arsenic	mg/L	0.0135	--	--	--					0.0330
Barium	mg/L	0.0395	--	--	--					0.0276
Beryllium	mg/L	0.0656	--	--	--					0.0504
Cadmium	mg/L	0.00795	--	--	--					0.00715
Chromium	mg/L	0.00467	--	--	--					<0.00216
Cobalt	mg/L	0.0985	--	--	--					0.113
Lead	mg/L	0.00992	--	--	--					<0.00368
Lithium	mg/L	0.762	--	--	--					0.756
Mercury	mg/L	0.0000890 J	--	--	--					0.000104 J
Molybdenum	mg/L	<0.000255	--	--	--					<0.00260
Radium-226/228	pCi/L	18.3	--	--	--					--
Selenium	mg/L	0.120	--	--	--					<0.00927
Thallium	mg/L	0.00375	--	--	--					<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		SFL MW-7S							
Screen Interval Elevation (feet AMSL):		235.7 - 245.7							
Sample Date:		5/21/2025	7/22/2025	8/27/2025	10/15/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.8	24.9	26.4	25.5				
Conductivity	µS/cm	14,934	15,399	14,351	14,482				
ORP	mV	-141.8	26.6	-102.3	41.6				
D.O.	mg/L	0.26	0.49	0.38	0.20				
Turbidity	NTU	6.41	1.15	1.37	4.43				
pH, Field	SU	6.37	5.64	5.60	5.76				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0372	0.0425	0.0151 J	<0.0275				
Iron	mg/L	0.754	0.614	0.752	0.800				
Magnesium	mg/L	235	216	198	212				
Potassium	mg/L	45.4	37.3	39.0	32.9				
Sodium	mg/L	1,860	1,850	1,810	1,750				
Alkalinity	mg/L	124	111	124	110				
		Appendix III							
Boron	mg/L	0.854	0.681	0.788	0.740				
Calcium	mg/L	1,090	1,040	1,060	1,010				
Chloride	mg/L	4,150	429	4,130	4,800				
Fluoride[1]	mg/L	<1.00	<0.100	<1.00	<1.00				
pH, Laboratory	SU	5.9	5.6	5.8	5.9				
Sulfate	mg/L	1,390	151	1,520	1,680				
Total Dissolved Solids	mg/L	10,400	7,490	10,200	6,680				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.00375	<0.00375				
Arsenic	mg/L	0.00325 J	0.00239 J	0.00185 J	<0.00345				
Barium	mg/L	0.0450	0.0312	0.0383	0.0355				
Beryllium	mg/L	<0.000271	<0.000271	<0.000271	<0.00136				
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.00120				
Chromium	mg/L	<0.000560	0.000929 J	<0.000560	<0.00280				
Cobalt	mg/L	0.00223	0.00149 J	0.00116 J	<0.00178				
Lead	mg/L	<0.000367	<0.000367	<0.00184	<0.00184				
Lithium	mg/L	0.624	3.36	0.280	0.615				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.000531 J	0.000433 J	0.000358 J	<0.00128				
Radium-226/228	pCi/L	10.4	8.93	7.13	9.57				
Selenium	mg/L	<0.000590	<0.000590	<0.000590	<0.00295				
Thallium	mg/L	0.000628 J	0.000862 J	<0.00208	<0.00208				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		SFL MW-8S							
Screen Interval Elevation (feet AMSL):		243.4 - 253.4							
Sample Date:		5/21/2025	7/22/2025	8/27/2025	10/15/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	22.9	26.9	26.7	26.0				
Conductivity	µS/cm	5,819	5,967	6,065	6,167				
ORP	mV	264.3	-58.5	-40.2	71.7				
D.O.	mg/L	0.08	0.19	0.32	0.39				
Turbidity	NTU	7.90	5.01	1.45	0.51				
pH, Field	SU	4.52	4.01	3.89	3.87				
		Additional Chemistry Evaluation							
Aluminum	mg/L	6.16	9.79	8.97	10.4				
Iron	mg/L	24.5	17.9	22.7	27.8				
Magnesium	mg/L	116	106	117	115				
Potassium	mg/L	28.8	25.4	27.0	25.5				
Sodium	mg/L	635	580	665	630				
Alkalinity	mg/L	<4.00	<4.00	<4.00	<4.00				
		Appendix III							
Boron	mg/L	22.6	21.5	21.5	18.9				
Calcium	mg/L	520	453	520	510				
Chloride	mg/L	1,110	1,150	246	1,330				
Fluoride[1]	mg/L	1.49 J	0.897 J	0.688	0.667				
pH, Laboratory	SU	4.3	3.9	4.2	3.7				
Sulfate	mg/L	1,610	1,630	552	1,880				
Total Dissolved Solids	mg/L	5,620	4,680	4,710	4,760				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	0.00316	<0.000750				
Arsenic	mg/L	0.00742	0.00971	0.00973	0.0106				
Barium	mg/L	0.0322	0.0236	0.0284	0.0279				
Beryllium	mg/L	0.0393	0.0433	0.0395	0.0426				
Cadmium	mg/L	0.00671	0.00409	0.00408	0.00485				
Chromium	mg/L	0.000731 J	0.000774 J	0.000856 J	0.000770 J				
Cobalt	mg/L	0.109	0.112	0.114	0.120				
Lead	mg/L	0.0140	0.0183	0.0164	0.0214				
Lithium	mg/L	0.442	0.254	0.241	0.354				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	<0.000255	<0.000255	0.000493 J	<0.000255				
Radium-226/228	pCi/L	3.97	4.20	4.93	5.54				
Selenium	mg/L	0.0688	0.000665 J	0.000745 J	<0.000590				
Thallium	mg/L	0.00267	0.00283	0.00295	0.00328				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		MNW-15							
Screen Interval Elevation (feet AMSL):		230.3 - 235.3							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.7	--	--	--				
Conductivity	µS/cm	4,275	--	--	--				
ORP	mV	312.2	--	--	--				
D.O.	mg/L	0.08	--	--	--				
Turbidity	NTU	4.70	--	--	--				
pH, Field	SU	3.59	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	29.3	--	--	--				
Iron	mg/L	18.7	--	--	--				
Magnesium	mg/L	59.7	--	--	--				
Potassium	mg/L	31.0	--	--	--				
Sodium	mg/L	440	--	--	--				
Alkalinity	mg/L	<4.00	--	--	--				
		Appendix III							
Boron	mg/L	10.1	--	--	--				
Calcium	mg/L	266	--	--	--				
Chloride	mg/L	632	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	3.6	--	--	--				
Sulfate	mg/L	1,560	--	--	--				
Total Dissolved Solids	mg/L	3,280	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.00761	--	--	--				
Barium	mg/L	0.0139	--	--	--				
Beryllium	mg/L	0.0806	--	--	--				
Cadmium	mg/L	0.0455	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	0.252	--	--	--				
Lead	mg/L	0.000754 J	--	--	--				
Lithium	mg/L	0.145	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	1.70	--	--	--				
Selenium	mg/L	0.0737	--	--	--				
Thallium	mg/L	0.00187 J	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Shallow Groundwater							
Sample Location:		MNW-17							
Screen Interval Elevation (feet AMSL):		243.5 - 248.5							
Sample Date:		6/3/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	25.7	--	--	--				
Conductivity	µS/cm	138.1	--	--	--				
ORP	mV	256.6	--	--	--				
D.O.	mg/L	3.30	--	--	--				
Turbidity	NTU	7.60	--	--	--				
pH, Field	SU	5.26	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.956	--	--	--				
Iron	mg/L	0.629	--	--	--				
Magnesium	mg/L	0.623	--	--	--				
Potassium	mg/L	0.456 J	--	--	--				
Sodium	mg/L	20.0	--	--	--				
Alkalinity	mg/L	20.8	--	--	--				
		Appendix III							
Boron	mg/L	<0.0162	--	--	--				
Calcium	mg/L	4.21	--	--	--				
Chloride	mg/L	20.4	--	--	--				
Fluoride[1]	mg/L	<0.100	--	--	--				
pH, Laboratory	SU	5.7	--	--	--				
Sulfate	mg/L	8.72	--	--	--				
Total Dissolved Solids	mg/L	102	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	<0.000690	--	--	--				
Barium	mg/L	0.0137	--	--	--				
Beryllium	mg/L	<0.000271	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	0.000880 J	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	0.629	--	--	--				
Lithium	mg/L	<0.0174	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	0.342 U	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater							
Sample Location:		SFL MW-2D							
Screen Interval Elevation (feet AMSL):		205.7 - 215.7							
Sample Date:		6/4/2025	7/22/2025	8/28/2025	10/15/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	27.1	25.0	27.7	27.0				
Conductivity	µS/cm	6,336	6,828	6,722	6,694				
ORP	mV	91.2	72.5	-89.7	13.4				
D.O.	mg/L	0.86	0.35	0.25	0.28				
Turbidity	NTU	8.15	9.28	7.14	4.87				
pH, Field	SU	5.55	5.57	5.64	5.83				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.120	0.109	0.0664	0.0352				
Iron	mg/L	0.739	0.452	0.475	0.402				
Magnesium	mg/L	59.9	57.2	56.3	56.5				
Potassium	mg/L	48.7	50.2	50.4	44.7				
Sodium	mg/L	950	900	1,050	965				
Alkalinity	mg/L	37.2	40.2	61.4	54.7				
		Appendix III							
Boron	mg/L	2.29	2.71	2.63	2.28				
Calcium	mg/L	442	421	479	435				
Chloride	mg/L	1,550	1,450	1,470	1,570				
Fluoride[1]	mg/L	0.538 J	<0.500	<0.500	<0.100				
pH, Laboratory	SU	5.7	5.7	5.8	5.9				
Sulfate	mg/L	1,450	1,490	1,550	1,590				
Total Dissolved Solids	mg/L	4,660	4,100	5,280	3,880				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.00375	<0.000750				
Arsenic	mg/L	0.00245 J	0.00349 J	0.00479	0.00579				
Barium	mg/L	0.0244	0.0236	0.0253	0.0250				
Beryllium	mg/L	0.00162 J	0.00118 J	0.000843 J	0.000395 J				
Cadmium	mg/L	0.000438 J	<0.000240	<0.000240	<0.000240				
Chromium	mg/L	0.00107 J	<0.000560	<0.000560	<0.000560				
Cobalt	mg/L	0.0201	0.0125	0.00927	0.00565				
Lead	mg/L	0.000485 J	<0.000367	<0.00184	<0.000367				
Lithium	mg/L	0.477	0.355	0.296	0.418				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	<0.000255	0.000529 J	0.000561 J	0.000767 J				
Radium-226/228	pCi/L	4.29	2.87	3.42	3.99				
Selenium	mg/L	0.00620	<0.000590	<0.000590	<0.000590				
Thallium	mg/L	0.000424 J	0.000423 J	<0.00208	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater										
Sample Location:		SFL MW-3D								SFL MW-3D (Dissolved)		
Screen Interval Elevation (feet AMSL):		213.2 - 223.2								213.2 - 223.2		
Sample Date:		6/4/2025	7/22/2025	8/27/2025	10/16/2025					6/4/2025	7/22/2025	8/27/2025
Constituent	Unit											
		Field Parameters										
Temperature	°C	27.3	25.3	27.8	21.7					27.3	25.3	27.8
Conductivity	µS/cm	5,536	6,230	6,165	6,470					5,536	6,230	6,165
ORP	mV	-118.1	-81.6	-79.6	30.5					-118.1	-81.6	-79.6
D.O.	mg/L	0.21	0.30	0.17	0.54					0.21	0.30	0.17
Turbidity	NTU	30.6	182	28.7	6.79					30.6	182	28.7
pH, Field	SU	6.63	6.78	6.58	6.54					6.63	6.78	6.58
		Additional Chemistry Evaluation										
Aluminum	mg/L	0.337	5.93	0.607	0.0691					<0.0352	0.355	0.729
Iron	mg/L	2.08	6.94	1.90	2.51					2.11	2.34	2.41
Magnesium	mg/L	53.8	35.4	42.5	53.8					51.0	50.8	50.7
Potassium	mg/L	50.1	32.4	38.2	43.3					47.8	44.2	45.2
Sodium	mg/L	869	615	740	875					823	875	1010
Alkalinity	mg/L	219	213	213	200					--	--	--
		Appendix III										
Boron	mg/L	1.02	0.655	0.768	0.789					1.02	0.936	0.887
Calcium	mg/L	375	270	328	369					355	390	421
Chloride	mg/L	1,480	1,500	1,570	1,650					--	--	--
Fluoride[1]	mg/L	0.500 J	<0.500	<0.500	0.109 J					--	--	--
pH, Laboratory	SU	6.7	6.6	6.6	6.5					--	--	--
Sulfate	mg/L	879	741	822	966					--	--	--
Total Dissolved Solids	mg/L	4,150	4,230	4,960	3,630					--	--	--
		Appendix IV										
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750					<0.00803	<0.00803	<0.00803
Arsenic	mg/L	0.00271 J	0.00451	0.00168 J	0.00240 J					<0.00650	<0.00650	<0.00650
Barium	mg/L	0.0395	0.0824	0.0331	0.0343					0.0400	0.0380	0.0403
Beryllium	mg/L	<0.000271	0.00136 J	<0.000271	<0.000271					<0.00107	<0.00107	<0.00107
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.000240					<0.000831	<0.000831	0.00156 J
Chromium	mg/L	<0.000560	0.00412	0.000603 J	<0.000560					<0.00216	<0.00216	<0.00216
Cobalt	mg/L	<0.000355	0.00207	0.000402 J	<0.000355					<0.00123	<0.00123	<0.00123
Lead	mg/L	<0.000367	0.00838	0.000690 J	<0.000367					<0.00368	<0.00368	<0.00368
Lithium	mg/L	0.470	0.378	0.284	0.356					0.444	0.335	0.257
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706					<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.000728 J	0.00186 J	0.000569 J	0.000506 J					<0.00260	<0.00260	<0.00260
Radium-226/228	pCi/L	2.64	2.97	2.24	1.98					--	--	--
Selenium	mg/L	0.000834 J	<0.000590	<0.000590	<0.000590					<0.00927	<0.00927	<0.00927
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415					<0.0110	<0.0110	<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater							
Sample Location:		SFL MW-4							
Screen Interval Elevation (feet AMSL):		227.0 - 232.0							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.7	--	--	--				
Conductivity	µS/cm	8,353	--	--	--				
ORP	mV	-233.2	--	--	--				
D.O.	mg/L	0.10	--	--	--				
Turbidity	NTU	3.57	--	--	--				
pH, Field	SU	6.30	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0182 J	--	--	--				
Iron	mg/L	0.533	--	--	--				
Magnesium	mg/L	118	--	--	--				
Potassium	mg/L	64.4	--	--	--				
Sodium	mg/L	802	--	--	--				
Alkalinity	mg/L	173	--	--	--				
		Appendix III							
Boron	mg/L	0.869	--	--	--				
Calcium	mg/L	634	--	--	--				
Chloride	mg/L	1,490	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	6.3	--	--	--				
Sulfate	mg/L	2,650	--	--	--				
Total Dissolved Solids	mg/L	6,640	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	<0.000690	--	--	--				
Barium	mg/L	0.0192	--	--	--				
Beryllium	mg/L	<0.000271	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	0.494	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	2.19	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater											
Sample Location:		SFL MW-5D								SFL MW-5D (Dissolved)			
Screen Interval Elevation (feet AMSL):		211.0 - 221.0								211.0 - 221.0			
Sample Date:		6/3/2025	7/21/2025	8/27/2025	10/16/2025					6/3/2025	7/21/2025	8/27/2025	10/16/2025
Constituent	Unit												
		Field Parameters											
Temperature	°C	27.6	28.7	28.3	26.8					27.6	28.7	28.3	26.8
Conductivity	µS/cm	4,085	4,870	4,702	4,759					4,085	4,870	4,702	4,759
ORP	mV	-108.7	-91.2	-68.3	13.6					-108.7	-91.2	-68.3	13.6
D.O.	mg/L	0.57	0.59	0.61	0.87					0.57	0.59	0.61	0.87
Turbidity	NTU	18.8	26.8	35.1	19.5					18.8	26.8	35.1	19.5
pH, Field	SU	7.38	7.36	7.23	7.60					7.38	7.36	7.23	7.60
		Additional Chemistry Evaluation											
Aluminum	mg/L	0.0675	0.131	0.280	0.0426					<0.0352	0.174 J	<0.0352	<0.0352
Iron	mg/L	0.770	0.560	0.676	0.166					0.359	0.702	0.280	0.257
Magnesium	mg/L	18.3	16.0	15.8	18.7					18.0	17.0	16.9	15.3
Potassium	mg/L	42.4	36.5	36.4	38.5					44.3	37.8	39.0	35.9
Sodium	mg/L	805	765	745	895					870	710	1,050	680
Alkalinity	mg/L	253	243	266	262					--	--	--	--
		Appendix III											
Boron	mg/L	1.30	1.15	1.19	1.36					1.32	1.18	1.24	1.08
Calcium	mg/L	175	146	149	176					186	155	189	144
Chloride	mg/L	964	836	955	1,010					--	--	--	--
Fluoride[1]	mg/L	0.675 J	<0.500	0.133 J	0.269 J					--	--	--	--
pH, Laboratory	SU	7.4	7.3	7.2	7.4					--	--	--	--
Sulfate	mg/L	704	554	738	755					--	--	--	--
Total Dissolved Solids	mg/L	2,920	2,890	3,590	2,610					--	--	--	--
		Appendix IV											
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750					0.0125 J	<0.00803	0.0374	<0.00803
Arsenic	mg/L	0.00227 J	0.00210 J	0.00185 J	0.00140 J					<0.00650	<0.00650	<0.00650	<0.00650
Barium	mg/L	0.0403	0.0338	0.0339	0.0316					0.0380	0.0377	0.0359	0.0337
Beryllium	mg/L	<0.000271	<0.000271	<0.000271	<0.000271					<0.00107	<0.00107	<0.00107	<0.00107
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.000240					<0.000831	<0.000831	<0.000831	<0.000831
Chromium	mg/L	0.000975 J	0.000705 J	0.000761 J	0.000678 J					<0.00216	0.00256 J	<0.00216	<0.00216
Cobalt	mg/L	0.00111 J	0.000978 J	0.000939 J	0.000873 J					<0.00123	<0.00123	<0.00123	<0.00123
Lead	mg/L	<0.000367	<0.000367	<0.000367	<0.000367					<0.00368	<0.00368	<0.00368	<0.00368
Lithium	mg/L	0.417	0.384	0.328	0.325					0.417	0.440	0.312	0.256
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706					<0.0000706	<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.00942	0.00710	0.00504	0.00480					0.00298 J	<0.00260	0.00266 J	<0.00260
Radium-226/228	pCi/L	0.586 U	1.20	1.23 U	1.75					--	--	--	--
Selenium	mg/L	0.000743 J	<0.000590	<0.000590	<0.000590					<0.00927	<0.00927	<0.00927	<0.00927
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415					<0.0110	<0.0110	<0.0110	<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater								
Sample Location:		SFL MW-6D								SFL MW-6D (Dissolved)
Screen Interval Elevation (feet AMSL):		212.3 - 222.3								212.3 - 222.3
Sample Date:		5/21/2025	7/22/2025	8/28/2025	10/15/2025					10/15/2025
Constituent	Unit									
		Field Parameters								
Temperature	°C	--	26.2	26.3	23.2					23.2
Conductivity	µS/cm	--	5,820	5,418	5,282					5,282
ORP	mV	--	-49.8	-21.2	116.3					116.3
D.O.	mg/L	--	0.41	0.28	2.57					2.57
Turbidity	NTU	--	71.6	72.8	>1,100					>1,100
pH, Field	SU	--	7.29	5.56	7.03					7.03
		Additional Chemistry Evaluation								
Aluminum	mg/L	--	--	--	11.8					<0.0352
Iron	mg/L	--	--	--	9.73					<0.0283
Magnesium	mg/L	--	--	--	20.9					25.0
Potassium	mg/L	--	--	--	45.7					48.5
Sodium	mg/L	--	--	--	725					845
Alkalinity	mg/L	--	--	--	173					--
		Appendix III								
Boron	mg/L	--	--	--	0.810					0.894
Calcium	mg/L	--	--	--	212					245
Chloride	mg/L	--	--	--	1,270					--
Fluoride[1]	mg/L	--	--	--	0.177 J					--
pH, Laboratory	SU	--	--	--	7.2					--
Sulfate	mg/L	--	--	--	760					--
Total Dissolved Solids	mg/L	--	--	--	3,010					--
		Appendix IV								
Antimony	mg/L	--	--	--	<0.000750					<0.00803
Arsenic	mg/L	--	--	--	0.00790					<0.00650
Barium	mg/L	--	--	--	0.0952					0.0516
Beryllium	mg/L	--	--	--	0.00165 J					<0.00107
Cadmium	mg/L	--	--	--	<0.000240					<0.000831
Chromium	mg/L	--	--	--	0.00940					<0.00216
Cobalt	mg/L	--	--	--	0.0105					<0.00123
Lead	mg/L	--	--	--	0.0170					0.00636 J
Lithium	mg/L	--	--	--	0.250					0.283
Mercury	mg/L	--	--	--	<0.0000706					<0.0000706
Molybdenum	mg/L	--	--	--	0.0115					0.00869 J
Radium-226/228	pCi/L	--	--	--	4.93					--
Selenium	mg/L	--	--	--	0.000622 J					0.0220 J
Thallium	mg/L	--	--	--	<0.000415					<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater							
Sample Location:		SFL MW-7							
Screen Interval Elevation (feet AMSL):		209.8 - 214.8							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.6	--	--	--				
Conductivity	µS/cm	7,104	--	--	--				
ORP	mV	83.4	--	--	--				
D.O.	mg/L	0.50	--	--	--				
Turbidity	NTU	3.04	--	--	--				
pH, Field	SU	6.56	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0102 J	--	--	--				
Iron	mg/L	0.237	--	--	--				
Magnesium	mg/L	68.3	--	--	--				
Potassium	mg/L	44.5	--	--	--				
Sodium	mg/L	1,060	--	--	--				
Alkalinity	mg/L	157	--	--	--				
		Appendix III							
Boron	mg/L	0.824	--	--	--				
Calcium	mg/L	476	--	--	--				
Chloride	mg/L	1,910	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	6.6	--	--	--				
Sulfate	mg/L	707	--	--	--				
Total Dissolved Solids	mg/L	4,200	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	<0.000690	--	--	--				
Barium	mg/L	0.0609	--	--	--				
Beryllium	mg/L	<0.000271	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	0.506	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	2.70	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater							
Sample Location:		SFL MW-8D							
Screen Interval Elevation (feet AMSL):		220.4 - 230.4							
Sample Date:		5/21/2025	7/22/2025	8/27/2025	10/15/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	24.2	27.5	26.9	25.9				
Conductivity	µS/cm	2,674	2,684	2,651	2,625				
ORP	mV	15.0	-43.5	15.1	49.1				
D.O.	mg/L	0.08	0.39	0.25	0.49				
Turbidity	NTU	6.40	9.94	6.00	4.10				
pH, Field	SU	6.74	6.65	6.57	6.61				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0933	0.0186 J	0.0398	0.00653 J				
Iron	mg/L	0.520	0.763	0.930	1.03				
Magnesium	mg/L	29.7	28.6	29.9	30.3				
Potassium	mg/L	27.1	26.1	26.8	25.0				
Sodium	mg/L	343	354	362	355				
Alkalinity	mg/L	150	154	161	143				
		Appendix III							
Boron	mg/L	1.20	0.877	0.866	0.680				
Calcium	mg/L	172	159	172	167				
Chloride	mg/L	409	393	393	393				
Fluoride[1]	mg/L	0.158 J	0.117 J	<0.100	<0.100				
pH, Laboratory	SU	6.7	6.6	6.6	6.6				
Sulfate	mg/L	641	624	655	691				
Total Dissolved Solids	mg/L	1,530	1,720	2,150	1,510				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750				
Arsenic	mg/L	0.00375 J	0.00309 J	0.00354 J	0.00260 J				
Barium	mg/L	0.0426	0.0375	0.0412	0.0362				
Beryllium	mg/L	<0.000271	<0.000271	<0.000271	<0.000271				
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.000240				
Chromium	mg/L	<0.000560	<0.000560	<0.000560	<0.000560				
Cobalt	mg/L	0.00252	0.00176 J	0.00200	0.00162 J				
Lead	mg/L	<0.000367	<0.000367	<0.000367	<0.000367				
Lithium	mg/L	0.236	0.329	0.175	0.116 J				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.00410	0.00263	0.00260	0.00169 J				
Radium-226/228	pCi/L	1.71	1.07	1.79	2.62				
Selenium	mg/L	<0.000590	<0.000590	<0.000590	<0.000590				
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater							
Sample Location:		MNW-11							
Screen Interval Elevation (feet AMSL):		220.7 - 225.7							
Sample Date:		6/5/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	25.4	--	--	--				
Conductivity	µS/cm	7,971	--	--	--				
ORP	mV	15.9	--	--	--				
D.O.	mg/L	0.55	--	--	--				
Turbidity	NTU	0.02	--	--	--				
pH, Field	SU	7.00	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.00593 J	--	--	--				
Iron	mg/L	0.0439	--	--	--				
Magnesium	mg/L	49.1	--	--	--				
Potassium	mg/L	50.8	--	--	--				
Sodium	mg/L	1,370	--	--	--				
Alkalinity	mg/L	294	--	--	--				
		Appendix III							
Boron	mg/L	1.28	--	--	--				
Calcium	mg/L	388	--	--	--				
Chloride	mg/L	2,040	--	--	--				
Fluoride[1]	mg/L	0.505 J	--	--	--				
pH, Laboratory	SU	7.1	--	--	--				
Sulfate	mg/L	842	--	--	--				
Total Dissolved Solids	mg/L	4,600	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	<0.000690	--	--	--				
Barium	mg/L	0.0240	--	--	--				
Beryllium	mg/L	<0.000271	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	0.000798 J	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	0.629	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	1.08	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater							
Sample Location:		MNW-15D							
Screen Interval Elevation (feet AMSL):		206.6 - 211.6							
Sample Date:		6/5/2025	7/22/2025	8/27/2025	10/15/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	25.0	25.7	28.5	26.1				
Conductivity	µS/cm	4,109	4,430	4,617	4,600				
ORP	mV	-111.7	-150.4	-45.9	19.2				
D.O.	mg/L	0.12	0.31	0.62	0.32				
Turbidity	NTU	7.66	1.43	1.53	6.75				
pH, Field	SU	6.39	6.47	6.35	6.40				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.103	0.0112 J	0.0245	0.0769				
Iron	mg/L	2.53	2.32	2.29	1.98				
Magnesium	mg/L	46.0	44.7	50.3	53.5				
Potassium	mg/L	42.4	39.5	43.5	40.8				
Sodium	mg/L	595	555	630	660				
Alkalinity	mg/L	113	111	119	107				
		Appendix III							
Boron	mg/L	0.390	0.374	0.425	0.408				
Calcium	mg/L	316	288	335	344				
Chloride	mg/L	826	813	847	866				
Fluoride[1]	mg/L	0.539 J	<0.500	<0.100	0.114 J				
pH, Laboratory	SU	6.6	6.4	6.5	6.4				
Sulfate	mg/L	1,090	1,100	1,200	1,180				
Total Dissolved Solids	mg/L	2,740	3,100	3,540	2,150				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750				
Arsenic	mg/L	<0.000690	0.00100 J	0.00117 J	0.000911 J				
Barium	mg/L	0.0390	0.0394	0.0471	0.0402				
Beryllium	mg/L	<0.000271	<0.000271	<0.000271	<0.000271				
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.000240				
Chromium	mg/L	<0.000560	<0.000560	<0.000560	<0.000560				
Cobalt	mg/L	<0.000355	<0.000355	<0.000355	<0.000355				
Lead	mg/L	<0.000367	<0.000367	<0.000367	<0.000367				
Lithium	mg/L	0.329	0.391	0.237	0.240				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.000310 J	0.000424 J	0.000472 J	0.000388 J				
Radium-226/228	pCi/L	2.96	1.77	1.48	2.26				
Selenium	mg/L	0.000963 J	<0.000590	<0.000590	<0.000590				
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater							
Sample Location:		MNW-16							
Screen Interval Elevation (feet AMSL):		222.8 - 227.8							
Sample Date:		5/22/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.1	--	--	--				
Conductivity	µS/cm	13,134	--	--	--				
ORP	mV	63.7	--	--	--				
D.O.	mg/L	0.14	--	--	--				
Turbidity	NTU	1.57	--	--	--				
pH, Field	SU	6.70	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	<0.00549	--	--	--				
Iron	mg/L	0.206	--	--	--				
Magnesium	mg/L	134	--	--	--				
Potassium	mg/L	87.3	--	--	--				
Sodium	mg/L	2,090	--	--	--				
Alkalinity	mg/L	174	--	--	--				
		Appendix III							
Boron	mg/L	1.91	--	--	--				
Calcium	mg/L	885	--	--	--				
Chloride	mg/L	3,470	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	6.7	--	--	--				
Sulfate	mg/L	1,840	--	--	--				
Total Dissolved Solids	mg/L	8,700	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	<0.000690	--	--	--				
Barium	mg/L	0.0144	--	--	--				
Beryllium	mg/L	<0.000271	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	1.46	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	2.86	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill - Deep Groundwater							
Sample Location:		MNW-18							
Screen Interval Elevation (feet AMSL):		219.7 - 224.7							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.0	--	--	--				
Conductivity	µS/cm	3,094	--	--	--				
ORP	mV	85.4	--	--	--				
D.O.	mg/L	5.00	--	--	--				
Turbidity	NTU	8.66	--	--	--				
pH, Field	SU	7.21	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0123 J	--	--	--				
Iron	mg/L	0.276	--	--	--				
Magnesium	mg/L	29.4	--	--	--				
Potassium	mg/L	28.4	--	--	--				
Sodium	mg/L	487	--	--	--				
Alkalinity	mg/L	185	--	--	--				
		Appendix III							
Boron	mg/L	0.383	--	--	--				
Calcium	mg/L	196	--	--	--				
Chloride	mg/L	2,950	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	7.3	--	--	--				
Sulfate	mg/L	10,900	--	--	--				
Total Dissolved Solids	mg/L	1,850	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.000911 J	--	--	--				
Barium	mg/L	0.00837	--	--	--				
Beryllium	mg/L	<0.000271	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	0.000684 J	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	0.000439 J	--	--	--				
Lithium	mg/L	0.354	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	0.421 U	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		SSP MW-1							
Screen Interval Elevation (feet AMSL):		249.3 - 254.3							
Sample Date:		5/22/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.7	--	--	--				
Conductivity	µS/cm	7,992	--	--	--				
ORP	mV	408.6	--	--	--				
D.O.	mg/L	0.08	--	--	--				
Turbidity	NTU	1.55	--	--	--				
pH, Field	SU	3.67	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	40.5	--	--	--				
Iron	mg/L	0.511	--	--	--				
Magnesium	mg/L	161	--	--	--				
Potassium	mg/L	26.1	--	--	--				
Sodium	mg/L	1,320	--	--	--				
Alkalinity	mg/L	<4.00	--	--	--				
		Appendix III							
Boron	mg/L	0.581	--	--	--				
Calcium	mg/L	466	--	--	--				
Chloride	mg/L	638	--	--	--				
Fluoride[1]	mg/L	1.80 J	--	--	--				
pH, Laboratory	SU	3.7	--	--	--				
Sulfate	mg/L	3,830	--	--	--				
Total Dissolved Solids	mg/L	6,340	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.00889	--	--	--				
Barium	mg/L	0.0123	--	--	--				
Beryllium	mg/L	0.0583	--	--	--				
Cadmium	mg/L	0.00758	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	0.184	--	--	--				
Lead	mg/L	0.0116	--	--	--				
Lithium	mg/L	0.558	--	--	--				
Mercury	mg/L	0.0353	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	26.3	--	--	--				
Selenium	mg/L	0.0935	--	--	--				
Thallium	mg/L	0.00659	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		SSP MW-2							
Screen Interval Elevation (feet AMSL):		237.1 - 242.1							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.8	--	--	--				
Conductivity	µS/cm	9,942	--	--	--				
ORP	mV	66.0	--	--	--				
D.O.	mg/L	0.11	--	--	--				
Turbidity	NTU	9.18	--	--	--				
pH, Field	SU	5.01	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	1.24	--	--	--				
Iron	mg/L	5.30	--	--	--				
Magnesium	mg/L	171	--	--	--				
Potassium	mg/L	64.8	--	--	--				
Sodium	mg/L	985	--	--	--				
Alkalinity	mg/L	10.5	--	--	--				
		Appendix III							
Boron	mg/L	0.526	--	--	--				
Calcium	mg/L	725	--	--	--				
Chloride	mg/L	2,370	--	--	--				
Fluoride[1]	mg/L	<0.500	--	--	--				
pH, Laboratory	SU	5.0	--	--	--				
Sulfate	mg/L	2,250	--	--	--				
Total Dissolved Solids	mg/L	6,550	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.00510	--	--	--				
Barium	mg/L	0.0198	--	--	--				
Beryllium	mg/L	0.0450	--	--	--				
Cadmium	mg/L	0.000497 J	--	--	--				
Chromium	mg/L	0.00122 J	--	--	--				
Cobalt	mg/L	0.0413	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	0.787	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	3.11	--	--	--				
Selenium	mg/L	0.0434	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater								
Sample Location:		SSP MW-3								SSP MW-3 (Dissolved)
Screen Interval Elevation (feet AMSL):		236.5 - 241.5								236.5 - 241.5
Sample Date:		5/21/2025	NS	NS	NS					5/21/2025
Constituent	Unit									
		Field Parameters								
Temperature	°C	25.4	--	--	--					25.4
Conductivity	µS/cm	7,778	--	--	--					7,778
ORP	mV	218.1	--	--	--					218.1
D.O.	mg/L	3.10	--	--	--					3.10
Turbidity	NTU	20.2	--	--	--					20.2
pH, Field	SU	4.36	--	--	--					4.36
		Additional Chemistry Evaluation								
Aluminum	mg/L	2.92	--	--	--					1.54
Iron	mg/L	1.63	--	--	--					0.992
Magnesium	mg/L	126	--	--	--					142
Potassium	mg/L	44.6	--	--	--					51.2
Sodium	mg/L	870	--	--	--					1,030
Alkalinity	mg/L	<4.00	--	--	--					--
		Appendix III								
Boron	mg/L	2.73	--	--	--					2.99
Calcium	mg/L	550	--	--	--					645
Chloride	mg/L	1,500	--	--	--					--
Fluoride[1]	mg/L	0.810 J	--	--	--					--
pH, Laboratory	SU	4.4	--	--	--					--
Sulfate	mg/L	2,380	--	--	--					--
Total Dissolved Solids	mg/L	4,920	--	--	--					--
		Appendix IV								
Antimony	mg/L	<0.000750	--	--	--					<0.00803
Arsenic	mg/L	0.00713	--	--	--					0.0103
Barium	mg/L	0.0212	--	--	--					0.0159
Beryllium	mg/L	0.0985	--	--	--					0.0943
Cadmium	mg/L	0.0506	--	--	--					0.0460
Chromium	mg/L	0.00245 J	--	--	--					0.00441 J
Cobalt	mg/L	0.447	--	--	--					0.439
Lead	mg/L	0.00483	--	--	--					<0.00368
Lithium	mg/L	0.579	--	--	--					0.579
Mercury	mg/L	0.000213	--	--	--					<0.0000706
Molybdenum	mg/L	0.000506 J	--	--	--					<0.00260
Radium-226/228	pCi/L	40.1	--	--	--					--
Selenium	mg/L	0.0486	--	--	--					<0.00927
Thallium	mg/L	0.00818	--	--	--					<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		SSP MW-4S							
Screen Interval Elevation (feet AMSL):		248.4 - 258.4							
Sample Date:		5/21/2025	7/18/2025	8/25/2025	10/13/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	24.2	24.5	27.1	26.1				
Conductivity	µS/cm	5,266	5,587	5,542	5,589				
ORP	mV	159.6	-15.0	-64.7	64.1				
D.O.	mg/L	0.25	0.67	0.41	0.54				
Turbidity	NTU	1.56	9.2	2.15	1.60				
pH, Field	SU	3.75	3.65	3.57	3.91				
		Additional Chemistry Evaluation							
Aluminum	mg/L	26.7	23.9	27.1	26.0				
Iron	mg/L	37.8	44.6	47.6	44.1				
Magnesium	mg/L	175	226	222	224				
Potassium	mg/L	27.5	38.6	37.0	34.0				
Sodium	mg/L	328	428	456	438				
Alkalinity	mg/L	<4.00	<4.00	<4.00	<4.00				
		Appendix III							
Boron	mg/L	8.30	11.4	11.0	10.5				
Calcium	mg/L	374	500	520	560				
Chloride	mg/L	488	488	473	478				
Fluoride[1]	mg/L	2.35 J	2.37 J	2.67	2.37				
pH, Laboratory	SU	3.7	3.4	3.5	3.4				
Sulfate	mg/L	2,710	2,730	3,160	3,050				
Total Dissolved Solids	mg/L	4,320	2,510	4,350	4,410				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.00375	<0.000750				
Arsenic	mg/L	0.0103	0.0104	0.0111	0.0110				
Barium	mg/L	0.0317	0.0282	0.0298	0.0308				
Beryllium	mg/L	0.0309	0.0276	0.0293	0.0272				
Cadmium	mg/L	0.00218	0.00224	0.00237	0.00228				
Chromium	mg/L	0.00141 J	0.000712 J	0.00109 J	0.00101 J				
Cobalt	mg/L	0.104	0.104	0.112	0.113				
Lead	mg/L	0.0144	0.0150	0.0178	0.0173				
Lithium	mg/L	0.272	0.189	0.0713	0.224				
Mercury	mg/L	0.000268	0.0000900 J	0.000162 J	0.000213				
Molybdenum	mg/L	<0.000255	<0.000255	<0.000255	<0.000255				
Radium-226/228	pCi/L	12.1	14.9	13.7	14.4				
Selenium	mg/L	0.0944	0.00165 J	0.00173 J	0.00160 J				
Thallium	mg/L	0.00351	0.00318	0.00375 J	0.00365				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		SSP MW-5S							
Screen Interval Elevation (feet AMSL):		241.0 - 251.0							
Sample Date:		5/22/2025	7/17/2025	8/25/2025	10/13/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.3	23.9	23.6	24.1				
Conductivity	µS/cm	7,539	7,505	7,154	7,520				
ORP	mV	-73.8	61.5	-71.1	78.9				
D.O.	mg/L	0.17	0.65	0.33	0.22				
Turbidity	NTU	7.90	8.10	1.49	8.35				
pH, Field	SU	5.32	5.12	5.04	5.17				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0717	0.0379	0.0370	0.0750 J				
Iron	mg/L	0.528	2.69	1.58	1.08				
Magnesium	mg/L	101	87.6	94.0	86.0				
Potassium	mg/L	36.7	31.5	30.3	28.9				
Sodium	mg/L	1,020	955	1,160	1,010				
Alkalinity	mg/L	46.4	37.9	38.6	38.0				
		Appendix III							
Boron	mg/L	0.256	0.205	0.198	0.219				
Calcium	mg/L	474	417	468	470				
Chloride	mg/L	1,950	1,980	1,920	2,040				
Fluoride[1]	mg/L	<1.00	<0.500	<0.500	0.106 J				
pH, Laboratory	SU	5.5	5.1	5.3	5.2				
Sulfate	mg/L	939	903	944	966				
Total Dissolved Solids	mg/L	4,320	4,700	5,600	4,870				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.00375	<0.00375				
Arsenic	mg/L	0.00317 J	0.0109	0.00776	0.00395 J				
Barium	mg/L	0.0325	0.0291	0.0289	0.0285				
Beryllium	mg/L	0.00199 J	0.00263	0.00253 J	0.00253 J				
Cadmium	mg/L	0.00160 J	0.00107 J	0.00130 J	0.00195 J				
Chromium	mg/L	<0.000560	<0.000560	<0.000560	<0.00280				
Cobalt	mg/L	0.0390	0.0433	0.0377	0.0358				
Lead	mg/L	<0.000367	<0.000367	<0.00184	<0.000367				
Lithium	mg/L	0.412	0.230	0.230	0.246				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.000438 J	<0.000255	0.000256 J	<0.00128				
Radium-226/228	pCi/L	3.14	3.26	3.87	2.53				
Selenium	mg/L	<0.000590	<0.000590	<0.000590	<0.00295				
Thallium	mg/L	0.000753 J	0.000829 J	<0.00208	0.00109 J				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		SSP MW-6S (REH-1)							
Screen Interval Elevation (feet AMSL):		236.4 - 246.4							
Sample Date:		6/2/2025	7/17/2025	8/25/2025	10/13/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	24.1	25.9	24.0	22.7				
Conductivity	µS/cm	8,405	8,000	8,260	8,381				
ORP	mV	-47.9	3.3	-99.7	68.6				
D.O.	mg/L	0.11	0.53	0.29	0.15				
Turbidity	NTU	8.73	8.97	6.61	7.92				
pH, Field	SU	5.32	5.33	5.08	5.20				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.485	0.384	0.497	0.592				
Iron	mg/L	6.95	5.99	7.61	8.45				
Magnesium	mg/L	158	145	174	170				
Potassium	mg/L	43.1	45.4	49.2	43.4				
Sodium	mg/L	1,030	945	1,170	1,060				
Alkalinity	mg/L	50.7	58.4	42.9	177				
		Appendix III							
Boron	mg/L	0.354	0.392	0.399	0.360				
Calcium	mg/L	615	555	660	695				
Chloride	mg/L	1,560	1,400	1,460	1,580				
Fluoride[1]	mg/L	0.914 J	<0.500	<0.500	0.571				
pH, Laboratory	SU	5.2	5.3	5.4	5.1				
Sulfate	mg/L	2,770	2,710	3,050	2,850				
Total Dissolved Solids	mg/L	6,430	6,470	6,050	6,430				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.00375	<0.00375				
Arsenic	mg/L	0.00146 J	0.00202 J	0.00203 J	<0.00345				
Barium	mg/L	0.0181	0.0167	0.0186 J	0.0181 J				
Beryllium	mg/L	0.0690	0.0418	0.0561	0.0689				
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.00120				
Chromium	mg/L	<0.000560	<0.000560	<0.000560	<0.00280				
Cobalt	mg/L	0.0126	0.00800	0.0109	0.0143				
Lead	mg/L	<0.000367	<0.000367	<0.00184	<0.000367				
Lithium	mg/L	0.436	0.305	0.322	0.360				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	<0.000255	<0.000255	<0.000255	<0.00128				
Radium-226/228	pCi/L	3.81	3.33	3.07	2.18				
Selenium	mg/L	0.00400	<0.000590	<0.000590	<0.00295				
Thallium	mg/L	<0.000415	<0.000415	<0.00208	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		AP MW-1							
Screen Interval Elevation (feet AMSL):		246.5 - 251.5							
Sample Date:		5/22/2025	7/17/2025	8/26/2025	10/14/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.1	24.9	23.8	24.7				
Conductivity	µS/cm	2,484	2,599	2,412	2,400				
ORP	mV	3.5	-42.6	-37.1	81.5				
D.O.	mg/L	0.12	0.55	0.41	0.13				
Turbidity	NTU	6.71	2.01	1.01	2.46				
pH, Field	SU	5.48	5.37	5.33	5.37				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0245	0.0219	0.0172 J	0.0186 J				
Iron	mg/L	4.70	5.06	3.50	3.03				
Magnesium	mg/L	32.5	33.9	29.4	31.0				
Potassium	mg/L	11.1	11.1	10.4	9.90				
Sodium	mg/L	346	367	401	330				
Alkalinity	mg/L	83.8	76.5	79.4	80.8				
		Appendix III							
Boron	mg/L	4.05	3.98	3.88	3.97				
Calcium	mg/L	157	160	170	152				
Chloride	mg/L	277	306	265	255				
Fluoride[1]	mg/L	0.136 J	<0.100	<0.100	<0.100				
pH, Laboratory	SU	5.6	5.5	5.6	5.8				
Sulfate	mg/L	802	788	827	834				
Total Dissolved Solids	mg/L	2,280	2,030	1,580	1,670				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750				
Arsenic	mg/L	0.00348 J	0.00425	0.00454	0.00381 J				
Barium	mg/L	0.0552	0.0537	0.0554	0.0479				
Beryllium	mg/L	0.00552	0.00617	0.00574	0.00481				
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.000240				
Chromium	mg/L	0.000633 J	<0.000560	0.000613 J	0.000707 J				
Cobalt	mg/L	0.120	0.119	0.115	0.103				
Lead	mg/L	<0.000367	<0.000367	<0.000367	<0.000367				
Lithium	mg/L	0.129	0.116	0.0790	<0.0868				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.00318	0.00304	0.00304	0.00303				
Radium-226/228	pCi/L	5.76	5.06	4.29	4.75				
Selenium	mg/L	0.00450	<0.000590	<0.000590	<0.000590				
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		AP MW-3							
Screen Interval Elevation (feet AMSL):		232.0 - 237.0							
Sample Date:		5/19/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.6	--	--	--				
Conductivity	µS/cm	1,648	--	--	--				
ORP	mV	188.6	--	--	--				
D.O.	mg/L	0.4	--	--	--				
Turbidity	NTU	0.02	--	--	--				
pH, Field	SU	5.01	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0269	--	--	--				
Iron	mg/L	0.0574	--	--	--				
Magnesium	mg/L	18.6	--	--	--				
Potassium	mg/L	11.0	--	--	--				
Sodium	mg/L	176	--	--	--				
Alkalinity	mg/L	9.30	--	--	--				
		Appendix III							
Boron	mg/L	4.44	--	--	--				
Calcium	mg/L	119	--	--	--				
Chloride	mg/L	141	--	--	--				
Fluoride[1]	mg/L	0.141 J	--	--	--				
pH, Laboratory	SU	5.4	--	--	--				
Sulfate	mg/L	617	--	--	--				
Total Dissolved Solids	mg/L	1,390	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.00137 J	--	--	--				
Barium	mg/L	0.0191	--	--	--				
Beryllium	mg/L	0.00287	--	--	--				
Cadmium	mg/L	0.00345	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	0.0323	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	0.0804	--	--	--				
Mercury	mg/L	0.00122	--	--	--				
Molybdenum	mg/L	0.000319 J	--	--	--				
Radium-226/228	pCi/L	2.96	--	--	--				
Selenium	mg/L	0.000998 J	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater								
Sample Location:		AP MW-4S								AP MW-4S (Dissolved)
Screen Interval Elevation (feet AMSL):		236.1 - 246.1								236.1 - 246.1
Sample Date:		5/22/2025	7/18/2025	8/26/2025	10/14/2025					5/22/2025
Constituent	Unit									
		Field Parameters								
Temperature	°C	24.2	24.9	23.4	25.3					24.2
Conductivity	µS/cm	1,740	1,748	1,731	1,784					1,740
ORP	mV	173.9	-46.3	-77.1	270.1					173.9
D.O.	mg/L	0.08	0.28	0.83	0.21					0.08
Turbidity	NTU	28.3	9.86	6.35	6.06					28.3
pH, Field	SU	4.82	4.34	4.16	4.11					4.82
		Additional Chemistry Evaluation								
Aluminum	mg/L	2.44	2.83	3.81	4.28					2.18
Iron	mg/L	14.0	12.5	16.3	14.1					11.5
Magnesium	mg/L	21.3	22.1	22.3	22.5					19.4
Potassium	mg/L	20.3	21.6	21.7	20.6					18.5
Sodium	mg/L	170	184	200	182					166
Alkalinity	mg/L	<4.00	<4.00	<4.00	<4.00					--
		Appendix III								
Boron	mg/L	3.40	3.49	3.62	3.43					3.18
Calcium	mg/L	125	131	158	130					115
Chloride	mg/L	119	125	126	146					--
Fluoride[1]	mg/L	0.347 J	0.386 J	<1.00	0.387 J					--
pH, Laboratory	SU	4.7	3.5	4.0	4.0					--
Sulfate	mg/L	686	649	733	770					--
Total Dissolved Solids	mg/L	1,420	1,400	1,200	1,210					--
		Appendix IV								
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750					0.0147 J
Arsenic	mg/L	0.00976	0.00779	0.0101	0.0102					0.00940 J
Barium	mg/L	0.0203	0.0160	0.0183	0.0178					0.0167
Beryllium	mg/L	0.0107	0.0116	0.0160	0.0164					0.00903
Cadmium	mg/L	0.000287 J	<0.000240	0.000330 J	0.000323 J					0.00110 J
Chromium	mg/L	<0.000560	<0.000560	<0.000560	<0.000560					<0.00216
Cobalt	mg/L	0.0457	0.0355	0.0444	0.0407					0.0409
Lead	mg/L	<0.000367	<0.000367	<0.000367	<0.000367					<0.00368
Lithium	mg/L	0.171	0.188	0.153	0.155					0.0616
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706					<0.0000706
Molybdenum	mg/L	<0.000255	<0.000255	<0.000255	<0.000255					<0.00260
Radium-226/228	pCi/L	1.55	1.07	0.757 U	2.09					--
Selenium	mg/L	0.00534	<0.000590	<0.000590	<0.000590					<0.00927
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415					<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		AP MW-5							
Screen Interval Elevation (feet AMSL):		235.7 - 240.7							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.3	--	--	--				
Conductivity	µS/cm	6,055	--	--	--				
ORP	mV	355.4	--	--	--				
D.O.	mg/L	0.08	--	--	--				
Turbidity	NTU	3.42	--	--	--				
pH, Field	SU	3.41	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	53.9	--	--	--				
Iron	mg/L	2.87	--	--	--				
Magnesium	mg/L	124	--	--	--				
Potassium	mg/L	50.5	--	--	--				
Sodium	mg/L	790	--	--	--				
Alkalinity	mg/L	<4.00	--	--	--				
		Appendix III							
Boron	mg/L	3.06	--	--	--				
Calcium	mg/L	555	--	--	--				
Chloride	mg/L	609	--	--	--				
Fluoride[1]	mg/L	3.24	--	--	--				
pH, Laboratory	SU	3.5	--	--	--				
Sulfate	mg/L	2,930	--	--	--				
Total Dissolved Solids	mg/L	4,840	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.0155	--	--	--				
Barium	mg/L	0.00861	--	--	--				
Beryllium	mg/L	0.108	--	--	--				
Cadmium	mg/L	0.00883	--	--	--				
Chromium	mg/L	0.000612 J	--	--	--				
Cobalt	mg/L	0.160	--	--	--				
Lead	mg/L	0.00163 J	--	--	--				
Lithium	mg/L	0.629	--	--	--				
Mercury	mg/L	0.00113	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	1.90	--	--	--				
Selenium	mg/L	0.152	--	--	--				
Thallium	mg/L	0.00259	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater									
Sample Location:		AP MW-7S								AP MW-7S (Dissolved)	
Screen Interval Elevation (feet AMSL):		241.7 - 251.7								241.7 - 251.7	
Sample Date:		6/2/2025	7/18/2025	8/25/2025	10/14/2025					6/2/2025	8/25/2025
Constituent	Unit										
		Field Parameters									
Temperature	°C	25.5	25.1	26.7	21.6					25.5	26.7
Conductivity	µS/cm	5,781	5,770	5,866	5,851					5,781	5,866
ORP	mV	92.1	187.4	239.4	251.4					92.1	239.4
D.O.	mg/L	0.53	1.03	0.37	0.22					0.53	0.37
Turbidity	NTU	15.1	3.74	15.1	2.03					15.1	15.1
pH, Field	SU	5.69	5.30	4.82	4.78					5.69	4.82
		Additional Chemistry Evaluation									
Aluminum	mg/L	0.699	2.13	4.66	5.280					0.963	3.66
Iron	mg/L	7.89	14.9	11.4	9.07					9.87	8.76
Magnesium	mg/L	150	147	146	141					158	132
Potassium	mg/L	61.7	59.1	54.3	52.2					66.0	49.9
Sodium	mg/L	755	700	700	690					790	725
Alkalinity	mg/L	67.3	<4.00	<4.00	<4.00					--	--
		Appendix III									
Boron	mg/L	1.28	1.41	1.30	1.23					1.36	1.16
Calcium	mg/L	550	484	498	491					540	496
Chloride	mg/L	367	347	350	367					--	--
Fluoride[1]	mg/L	1.15 J	1.07 J	1.01 J	2.35					--	--
pH, Laboratory	SU	5.7	4.5	4.1	3.9					--	--
Sulfate	mg/L	3,110	3,190	3,300	3,240					--	--
Total Dissolved Solids	mg/L	105,000	3,820	4,710	4,680					--	--
		Appendix IV									
Antimony	mg/L	<0.000750	<0.000750	<0.00375	<0.000750					<0.00803	<0.00803
Arsenic	mg/L	0.00612	0.00898	0.0137 J	0.0126					0.0234	0.0266
Barium	mg/L	0.0359	0.0269	0.0285	0.0275					0.0367	0.0235
Beryllium	mg/L	0.0431	0.0574	0.0812	0.0844					0.0411	0.0707
Cadmium	mg/L	<0.000240	<0.000240	<0.00120	<0.000240					<0.000831	<0.000831
Chromium	mg/L	<0.000560	0.000657 J	<0.00280	0.000654 J					<0.00216	<0.00216
Cobalt	mg/L	0.0285	0.0288	0.0534	0.0544					0.0322	0.0340
Lead	mg/L	<0.000367	<0.000367	<0.00184	<0.000367					<0.00368	<0.00368
Lithium	mg/L	1.07	0.964	0.924	0.973					1.12	0.916
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706					<0.0000706	<0.0000706
Molybdenum	mg/L	0.00167 J	0.000763 J	<0.00128	0.000341 J					<0.00260	<0.00260
Radium-226/228	pCi/L	2.67	3.54	4.70	3.01					--	--
Selenium	mg/L	0.0528	<0.000590	<0.00295	<0.000590					<0.00927	<0.00927
Thallium	mg/L	<0.000415	<0.000415	<0.00208	<0.000415					<0.0110	<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		AP PZ-1							
Screen Interval Elevation (feet AMSL):		236.7 - 241.7							
Sample Date:		5/22/2025	7/21/2025	8/26/2025	10/14/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.7	25.1	25.7	21.5				
Conductivity	µS/cm	9,008	9,500	9,403	9,450				
ORP	mV	248.1	-82.3	-61.2	47.8				
D.O.	mg/L	0.19	0.30	0.42	0.38				
Turbidity	NTU	5.45	3.02	2.15	2.11				
pH, Field	SU	4.97	4.78	4.65	4.76				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.251	0.297	0.306	0.280				
Iron	mg/L	0.0927	1.95	1.74	1.21				
Magnesium	mg/L	172	172	196	176				
Potassium	mg/L	58.4	60.1	58.6	60.7				
Sodium	mg/L	1,010	985	1,260	1,050				
Alkalinity	mg/L	7.38	5.94	5.21	6.47				
		Appendix III							
Boron	mg/L	0.338	0.329	0.318	0.329				
Calcium	mg/L	895	905	1,040	985				
Chloride	mg/L	2,380	2,300	2,500	2,610				
Fluoride[1]	mg/L	<1.00	<0.500	<1.00	0.193 J				
pH, Laboratory	SU	5.0	4.7	4.8	4.8				
Sulfate	mg/L	1,760	1,760	1,940	1,980				
Total Dissolved Solids	mg/L	5,710	6,840	5,690	5,910				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.000750	0.000897 J				
Arsenic	mg/L	0.00599	0.00823	0.00751	0.00638				
Barium	mg/L	0.0323	0.0231	0.0275	0.0278				
Beryllium	mg/L	0.00546	0.00546	0.00588	0.00528				
Cadmium	mg/L	0.0144	0.00653	0.00643	0.00460				
Chromium	mg/L	<0.000560	<0.000560	<0.000560	<0.000560				
Cobalt	mg/L	0.0403	0.0537	0.0515	0.0461				
Lead	mg/L	<0.000367	<0.00184	0.000566 J	0.000668 J				
Lithium	mg/L	0.811	3.69	0.669	0.787				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.000589 J	0.000522 J	0.000377 J	0.000470 J				
Radium-226/228	pCi/L	10.8	11.6	10.3	11.9				
Selenium	mg/L	0.00660	<0.000590	<0.000590	<0.000590				
Thallium	mg/L	0.00203	<0.00208	0.00180 J	0.00181 J				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		AP PZ-4S							
Screen Interval Elevation (feet AMSL):		236.0 - 246.0							
Sample Date:		6/3/2025	7/18/2025	8/25/2025	10/13/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	26.4	26.1	23.3	27.1				
Conductivity	µS/cm	10,356	10,373	10,439	10,488				
ORP	mV	-69.6	-13.5	-67.2	50.1				
D.O.	mg/L	0.25	0.47	6.30	0.59				
Turbidity	NTU	7.61	3.24	2.14	5.13				
pH, Field	SU	6.64	6.42	6.64	6.53				
		Additional Chemistry Evaluation							
Aluminum	mg/L	<0.00549	<0.00549	0.378	<0.00549				
Iron	mg/L	0.412	0.757	1.09	0.514				
Magnesium	mg/L	152	148	160	152				
Potassium	mg/L	102	106	103	98.1				
Sodium	mg/L	1,240	1,150	1,320	1,420				
Alkalinity	mg/L	194	196	207	184				
		Appendix III							
Boron	mg/L	1.09	1.09	1.08	1.05				
Calcium	mg/L	875	785	880	755				
Chloride	mg/L	2,940	2,910	2,970	3,060				
Fluoride[1]	mg/L	0.517 J	<1.00	<0.500	0.108 J				
pH, Laboratory	SU	6.6	6.5	6.7	6.4				
Sulfate	mg/L	1,170	1,150	1,300	1,290				
Total Dissolved Solids	mg/L	5,820	5,690	7,970	5,990				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.00375	<0.000750				
Arsenic	mg/L	0.00723	0.0117	0.00986 J	0.00560				
Barium	mg/L	0.0858	0.0801	0.0868	0.0656				
Beryllium	mg/L	<0.000271	<0.000271	<0.00136	<0.000271				
Cadmium	mg/L	<0.000240	<0.000240	<0.00120	<0.000240				
Chromium	mg/L	0.00305 J	0.00491	0.00375 J	0.000941 J				
Cobalt	mg/L	0.00631	0.007223	0.0149	0.00693				
Lead	mg/L	<0.000367	<0.000367	<0.00184	<0.000367				
Lithium	mg/L	1.05	0.712	0.557	1.02				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.00356	0.00322	0.00289 J	0.00212				
Radium-226/228	pCi/L	5.08	4.44	5.34	5.45				
Selenium	mg/L	0.00129 J	<0.000590	<0.00295	<0.000590				
Thallium	mg/L	<0.000415	<0.000415	<0.00208	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Shallow Groundwater							
Sample Location:		SSP / AP MW-1							
Screen Interval Elevation (feet AMSL):		229.8 - 239.8							
Sample Date:		5/21/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	22.6	--	--	--				
Conductivity	µS/cm	8,806	--	--	--				
ORP	mV	62.9	--	--	--				
D.O.	mg/L	1.10	--	--	--				
Turbidity	NTU	2.32	--	--	--				
pH, Field	SU	5.79	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0179 J	--	--	--				
Iron	mg/L	3.33	--	--	--				
Magnesium	mg/L	208	--	--	--				
Potassium	mg/L	60.3	--	--	--				
Sodium	mg/L	1,170	--	--	--				
Alkalinity	mg/L	67.9	--	--	--				
		Appendix III							
Boron	mg/L	0.736	--	--	--				
Calcium	mg/L	515	--	--	--				
Chloride	mg/L	1,530	--	--	--				
Fluoride[1]	mg/L	<0.500	--	--	--				
pH, Laboratory	SU	5.8	--	--	--				
Sulfate	mg/L	3,610	--	--	--				
Total Dissolved Solids	mg/L	6,360	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	0.00139 J	--	--	--				
Barium	mg/L	0.0216	--	--	--				
Beryllium	mg/L	0.000623 J	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	1.48	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	0.000278 J	--	--	--				
Radium-226/228	pCi/L	1.25	--	--	--				
Selenium	mg/L	0.000990 J	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater										
Sample Location:		SSP MW-2D								SSP MW-2D (Dissolved)		
Screen Interval Elevation (feet AMSL):		220.0 - 230.0								220.0 - 230.0		
Sample Date:		6/2/2025	7/17/2025	8/26/2025	10/13/2025					6/2/2025	7/17/2025	8/26/2025
Constituent	Unit											
		Field Parameters										
Temperature	ºC	25.5	26.8	23.9	25.8					25.5	26.8	23.9
Conductivity	µS/cm	10,166	10,100	10,131	10,248					10,166	10,100	10,131
ORP	mV	-245.6	-179.9	-200.7	-75.8					-245.6	-179.9	-200.7
D.O.	mg/L	0.11	0.47	0.17	0.43					0.11	0.47	0.17
Turbidity	NTU	74.9	79.4	50.1	8.53					74.9	79.4	50.1
pH, Field	SU	6.07	6.02	5.77	5.85					6.07	6.02	5.77
		Additional Chemistry Evaluation										
Aluminum	mg/L	1.42	0.967	0.675	0.0713 J					<0.0352	0.926	<0.0352
Iron	mg/L	2.46	2.38	1.81	1.24					1.90	2.33	1.56
Magnesium	mg/L	131	117	145	138					147	126	160
Potassium	mg/L	60.6	55.7	61.1	58.5					71.2	61.0	65.1
Sodium	mg/L	1,060	1,000	1,450	1,180					1,360	1,080	1,440
Alkalinity	mg/L	91.5	78.7	80.2	70.4					--	--	--
		Appendix III										
Boron	mg/L	0.503	0.454	0.499	0.493					0.568	0.489	0.551
Calcium	mg/L	755	690	895	875					945	735	995
Chloride	mg/L	2,480	2,560	2,540	2,630					--	--	--
Fluoride[1]	mg/L	<0.500	<1.00	<1.00	<0.100					--	--	--
pH, Laboratory	SU	5.8	5.6	5.7	5.7					--	--	--
Sulfate	mg/L	2,030	2,090	2,220	2,210					--	--	--
Total Dissolved Solids	mg/L	6,690	6,380	6,430	7,400					--	--	--
		Appendix IV										
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.00375					<0.00803	<0.00803	<0.00803
Arsenic	mg/L	0.00245 J	0.00205 J	0.00173 J	<0.00345					<0.00650	<0.00650	<0.00650
Barium	mg/L	0.0418	0.0314	0.0293	0.0235					0.0316	0.0297	0.0233
Beryllium	mg/L	0.000366 J	0.000443 J	0.000420 J	<0.00136					<0.00107	<0.00107	<0.00107
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.00120					<0.000831	<0.000831	0.00523
Chromium	mg/L	0.00148 J	0.000992 J	0.000968 J	<0.00280					<0.00216	<0.00216	<0.00216
Cobalt	mg/L	0.00131 J	0.000941 J	0.000554 J	<0.00178					<0.00123	<0.00123	<0.00123
Lead	mg/L	0.00134 J	0.000987 J	0.000647 J	<0.00184					<0.00368	<0.00368	0.00397 J
Lithium	mg/L	0.663	0.349	0.534	0.521					0.697	0.252	0.232
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706					<0.0000706	<0.0000706	<0.0000706
Molybdenum	mg/L	0.000333 J	0.000369 J	<0.000255	<0.00128					<0.00260	<0.00260	<0.00260
Radium-226/228	pCi/L	3.67	2.42	3.35	2.22					--	--	--
Selenium	mg/L	0.00199 J	<0.000590	<0.000590	<0.00295					<0.00927	<0.00927	<0.00927
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.00208					<0.0110	<0.0110	<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater							
Sample Location:		SSP MW-3D							
Screen Interval Elevation (feet AMSL):		224.6 - 229.6							
Sample Date:		6/3/2025	7/18/2025	8/26/2025	10/13/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	24.9	23.7	24.4	28.3				
Conductivity	µS/cm	7,444	7,450	7,543	7,572				
ORP	mV	102.6	-39.1	42.1	145.8				
D.O.	mg/L	0.78	1.06	0.17	0.79				
Turbidity	NTU	9.97	6.19	7.79	9.6				
pH, Field	SU	4.91	4.99	4.71	4.74				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.827	1.25	0.619	0.877				
Iron	mg/L	3.86	4.55	3.17	3.48				
Magnesium	mg/L	125	115	146	140				
Potassium	mg/L	55.4	51.8	64.6	57.4				
Sodium	mg/L	865	740	1,140	980				
Alkalinity	mg/L	23.5	13.9	8.24	13.3				
		Appendix III							
Boron	mg/L	3.46	3.14	3.96	3.54				
Calcium	mg/L	605	535	725	765				
Chloride	mg/L	1,410	1,400	1,420	1,500				
Fluoride[1]	mg/L	0.641 J	<0.500	<0.500	0.216 J				
pH, Laboratory	SU	5.0	4.6	4.8	5.0				
Sulfate	mg/L	2,250	2,300	2,430	2,490				
Total Dissolved Solids	mg/L	6,240	5,620	5,640	5,730				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.00375				
Arsenic	mg/L	0.00874	0.00887	0.00731	0.00894 J				
Barium	mg/L	0.0369	0.0309	0.0246	0.0271				
Beryllium	mg/L	0.00952	0.00907	0.00918	0.00943 J				
Cadmium	mg/L	0.000854 J	0.00143 J	0.00230	0.00374 J				
Chromium	mg/L	0.00179 J	0.00161 J	0.00109 J	<0.00280				
Cobalt	mg/L	0.161	0.158	0.162	0.186				
Lead	mg/L	0.000649 J	0.000900 J	<0.000367	0.000511 J				
Lithium	mg/L	0.549	0.366	0.244	0.462				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.000342 J	0.000369 J	<0.000255	<0.00128				
Radium-226/228	pCi/L	6.44	6.58	3.37	4.67				
Selenium	mg/L	0.00826	<0.000590	<0.000590	<0.00295				
Thallium	mg/L	0.000881 J	0.000877 J	0.00103 J	0.00128 J				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater							
Sample Location:		SSP MW-4							
Screen Interval Elevation (feet AMSL):		232.9 - 237.9							
Sample Date:		5/21/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	26.4	--	--	--				
Conductivity	µS/cm	5,559	--	--	--				
ORP	mV	119.1	--	--	--				
D.O.	mg/L	2.75	--	--	--				
Turbidity	NTU	1.15	--	--	--				
pH, Field	SU	6.15	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0583	--	--	--				
Iron	mg/L	0.463	--	--	--				
Magnesium	mg/L	77.6	--	--	--				
Potassium	mg/L	60.1	--	--	--				
Sodium	mg/L	810	--	--	--				
Alkalinity	mg/L	196	--	--	--				
		Appendix III							
Boron	mg/L	1.27	--	--	--				
Calcium	mg/L	449	--	--	--				
Chloride	mg/L	1,160	--	--	--				
Fluoride[1]	mg/L	<0.500	--	--	--				
pH, Laboratory	SU	6.2	--	--	--				
Sulfate	mg/L	1,140	--	--	--				
Total Dissolved Solids	mg/L	3,300	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	<0.000690	--	--	--				
Barium	mg/L	0.0164	--	--	--				
Beryllium	mg/L	<0.000271	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	0.00372 J	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	0.924	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	0.000427 J	--	--	--				
Radium-226/228	pCi/L	3.08	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater									
Sample Location:		SSP MW-5D								SSP MW-5D (Dissolved)	
Screen Interval Elevation (feet AMSL):		221.0 - 231.0								221.0 - 231.0	
Sample Date:		6/3/2025	7/17/2025	8/28/2025	10/13/2025					6/3/2025	8/28/2025
Constituent	Unit										
		Field Parameters									
Temperature	°C	24.5	24.7	26.1	25.8					24.5	26.1
Conductivity	µS/cm	4,258	4,626	4,890	7,520					4,258	4,890
ORP	mV	-223.1	-195.7	-231.2	-207.2					-223.1	-231.2
D.O.	mg/L	0.27	0.36	0.30	0.22					0.27	0.30
Turbidity	NTU	37.9	5.91	73.8	8.91					37.9	73.8
pH, Field	SU	6.82	6.93	6.78	6.82					6.82	6.78
		Additional Chemistry Evaluation									
Aluminum	mg/L	1.15	0.564	1.24	0.0650					<0.0352	1.76
Iron	mg/L	1.52	0.96	1.20	0.489					0.803	1.32
Magnesium	mg/L	32.6	30.0	26.3	34.6					35.5	27.1
Potassium	mg/L	27.2	25.2	21.0	28.0					30.8	21.7
Sodium	mg/L	660	565	570	770					755	540
Alkalinity	mg/L	304	306	304	300					--	--
		Appendix III									
Boron	mg/L	0.527	0.482	0.412	0.535					0.560	0.421
Calcium	mg/L	210	186	190	219					249	179
Chloride	mg/L	1,260	1,300	1,310	1,360					--	--
Fluoride[1]	mg/L	0.542 J	<0.500	<0.500	0.147 J					--	--
pH, Laboratory	SU	6.8	6.7	6.8	6.8					--	--
Sulfate	mg/L	232	216	237	226					--	--
Total Dissolved Solids	mg/L	2,750	2,760	3,620	2,570					--	--
		Appendix IV									
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750					<0.00803	0.0294
Arsenic	mg/L	0.00122 J	0.000837 J	0.00100 J	<0.000690					<0.00650	<0.00650
Barium	mg/L	0.0489	0.0452	0.0483	0.0470					0.0442	0.0440
Beryllium	mg/L	<0.000271	<0.000271	<0.000271	<0.000271					<0.00107	<0.00107
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.000240					<0.000831	0.00199 J
Chromium	mg/L	0.00112 J	<0.000560	0.000999 J	<0.000560					<0.00216	<0.00216
Cobalt	mg/L	0.000581 J	<0.000355	0.000505 J	<0.000355					0.00287 J	<0.00123
Lead	mg/L	0.00101 J	0.000390 J	0.00128 J	<0.000367					<0.00368	<0.00368
Lithium	mg/L	0.313	0.288	0.182	0.282					0.337	0.186
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706					<0.0000706	<0.0000706
Molybdenum	mg/L	0.00126 J	0.000743 J	0.000505 J	0.000323 J					<0.00260	<0.00260
Radium-226/228	pCi/L	3.09	2.73	0.806 U	2.59					--	--
Selenium	mg/L	0.00101 J	<0.000590	<0.000590	<0.000590					<0.00927	<0.00927
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415					<0.0110	<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater							
Sample Location:		SSP MW-6D							
Screen Interval Elevation (feet AMSL):		218.3 - 228.3							
Sample Date:		6/3/2025	7/17/2025	8/25/2025	10/13/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	26.2	27.4	24.1	23.1				
Conductivity	µS/cm	6,351	6,338	6,333	6,460				
ORP	mV	-122.9	-41.0	-112.6	-12.0				
D.O.	mg/L	0.39	0.65	0.40	0.51				
Turbidity	NTU	9.79	0.40	2.24	3.24				
pH, Field	SU	6.59	6.40	6.31	6.41				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0469	<0.00549	0.0153 J	<0.0275				
Iron	mg/L	1.83	1.62	1.78	1.62				
Magnesium	mg/L	70.2	63.0	68.8	73.2				
Potassium	mg/L	48.1	44.2	45.4	44.9				
Sodium	mg/L	900	825	1,070	965				
Alkalinity	mg/L	267	269	272	255				
		Appendix III							
Boron	mg/L	0.531	0.506	0.528	0.523				
Calcium	mg/L	404	358	462	455				
Chloride	mg/L	1,400	1,400	1,390	1,470				
Fluoride[1]	mg/L	0.507 J	<0.500	<0.500	0.115 J				
pH, Laboratory	SU	6.5	6.5	6.6	6.4				
Sulfate	mg/L	1,090	1,050	1,140	1,170				
Total Dissolved Solids	mg/L	4,150	3,840	4,160	4,050				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.00375				
Arsenic	mg/L	0.00156 J	0.000814 J	<0.000690	<0.00345				
Barium	mg/L	0.0446	0.0415	0.0448	0.0383				
Beryllium	mg/L	<0.000271	<0.000271	<0.000271	<0.00136				
Cadmium	mg/L	<0.000240	<0.000240	<0.000240	<0.00120				
Chromium	mg/L	<0.000560	<0.000560	0.000568 J	<0.00280				
Cobalt	mg/L	<0.000355	<0.000355	<0.000355	<0.00178				
Lead	mg/L	<0.000367	<0.000367	<0.000367	<0.000367				
Lithium	mg/L	0.354	0.255	0.133	0.248				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	<0.000255	<0.000255	<0.000255	<0.00128				
Radium-226/228	pCi/L	4.41	4.38	2.88	3.83				
Selenium	mg/L	<0.000590	<0.000590	<0.000590	<0.00295				
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater							
Sample Location:		AP MW-1D							
Screen Interval Elevation (feet AMSL):		229.5 - 234.5							
Sample Date:		5/20/2025	7/21/2025	8/26/2025	10/14/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.7	24.7	24.5	24.7				
Conductivity	µS/cm	1,215	1,283	1,287	1,299				
ORP	mV	-23.4	-49.3	-61.4	48.0				
D.O.	mg/L	0.20	0.48	0.71	0.42				
Turbidity	NTU	3.60	0.02	0.77	1.13				
pH, Field	SU	5.81	5.99	5.93	6.03				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.00769 J	0.00876 J	0.00707 J	0.0139 J				
Iron	mg/L	0.00788 J	0.00834 J	0.00930 J	0.0106 J				
Magnesium	mg/L	10.1	9.32	9.45	9.26				
Potassium	mg/L	9.62	8.85	9.34	8.72				
Sodium	mg/L	200	192	269	190				
Alkalinity	mg/L	103	101	113	97.3				
		Appendix III							
Boron	mg/L	4.63	4.38	4.37	4.12				
Calcium	mg/L	55.5	50.9	52.3	51.8				
Chloride	mg/L	789	78.1	76.3	80.1				
Fluoride[1]	mg/L	7.53	1.00	<1.00	0.744				
pH, Laboratory	SU	6.3	6.1	6.1	6.1				
Sulfate	mg/L	3,980	373	402	384				
Total Dissolved Solids	mg/L	837	615	1,010	807				
		Appendix IV							
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750				
Arsenic	mg/L	0.0118	0.0116	0.0115	0.0103				
Barium	mg/L	0.0110	0.0103	0.0113	0.0111				
Beryllium	mg/L	<0.000271	<0.000271	<0.000271	<0.000271				
Cadmium	mg/L	0.000264 J	<0.000240	0.000266 J	<0.000240				
Chromium	mg/L	<0.000560	<0.000560	<0.000560	<0.000560				
Cobalt	mg/L	0.00785	0.00681	0.00743	0.00674				
Lead	mg/L	<0.000367	<0.000367	<0.000367	<0.000367				
Lithium	mg/L	0.0484	0.119	0.0357 J	0.0197 J				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.0361	0.0316	0.0340	0.0308				
Radium-226/228	pCi/L	1.03	0.810 U	0.652	1.29				
Selenium	mg/L	0.00130 J	0.00141 J	0.00139 J	0.00108 J				
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater									
Sample Location:		AP MW-3D								AP MW-3D (Dissolved)	
Screen Interval Elevation (feet AMSL):		215.8 - 225.8								215.8 - 225.8	
Sample Date:		6/2/2025	7/17/2025	8/28/2025	10/14/2025					6/2/2025	8/28/2025
Constituent	Unit										
		Field Parameters									
Temperature	°C	27.7	29.8	25.3	27.5					27.7	25.3
Conductivity	µS/cm	2,283	2,320	2,316	2,250					2,283	2,316
ORP	mV	23.9	-30.0	-39.8	5.9					23.9	-39.8
D.O.	mg/L	0.43	0.29	0.14	0.19					0.43	0.14
Turbidity	NTU	28.6	4.10	18.6	9.42					28.6	18.6
pH, Field	SU	5.49	5.56	5.28	5.27					5.49	5.28
		Additional Chemistry Evaluation									
Aluminum	mg/L	1.50	2.46	0.575	0.0817					<0.0352	0.494
Iron	mg/L	2.39	4.47	2.93	3.38					2.07	3.26
Magnesium	mg/L	25.8	17.7	25.5	25.4					25.4	25.8
Potassium	mg/L	22.0	14.8	21.2	20.6					21.8	21.4
Sodium	mg/L	268	193	311	266					266	310
Alkalinity	mg/L	46.2	26.9	34.5	29.6					--	--
		Appendix III									
Boron	mg/L	1.56	1.11	1.60	1.53					1.56	1.62
Calcium	mg/L	197	134	228	192					211	226
Chloride	mg/L	235	232	230	233					--	--
Fluoride[1]	mg/L	<0.100	<0.100	<0.100	<0.100					--	--
pH, Laboratory	SU	5.6	5.4	5.4	5.4					--	--
Sulfate	mg/L	887	805	908	905					--	--
Total Dissolved Solids	mg/L	1,770	1,610	1,830	1,660					--	--
		Appendix IV									
Antimony	mg/L	<0.000750	<0.000750	<0.000750	<0.000750					0.0421	0.0122 J
Arsenic	mg/L	0.00711	0.00967	0.00831	0.0107					<0.00650	0.0123
Barium	mg/L	0.0417	0.0497	0.0337	0.0308					0.0384	0.0359
Beryllium	mg/L	0.000889 J	0.00156 J	0.00123 J	0.00125 J					<0.00107	0.00132 J
Cadmium	mg/L	0.000398 J	0.000574 J	0.000392 J	0.000341 J					<0.000831	0.00280 J
Chromium	mg/L	0.00136 J	0.00158 J	0.000892 J	0.000933 J					<0.00216	<0.00216
Cobalt	mg/L	0.0374	0.0335	0.0318	0.0322					0.0400	0.0362
Lead	mg/L	0.00153 J	0.00357	0.000670 J	<0.000367					<0.00368	0.00374 J
Lithium	mg/L	0.160	0.114	0.0795	0.100					0.155	0.0803
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706					<0.0000706	<0.0000706
Molybdenum	mg/L	0.00111 J	0.00132 J	0.000861	0.00105 J					<0.00260	<0.00260
Radium-226/228	pCi/L	2.64	2.14	2.10	1.81					--	--
Selenium	mg/L	0.00316	0.00159 J	0.00150 J	0.000913 J					<0.00927	<0.00927
Thallium	mg/L	<0.000415	<0.000415	<0.000415	<0.000415					<0.0110	<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater							
Sample Location:		AP MW-4							
Screen Interval Elevation (feet AMSL):		221.4 - 226.4							
Sample Date:		5/20/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	23.2	--	--	--				
Conductivity	µS/cm	4,857	--	--	--				
ORP	mV	-39.4	--	--	--				
D.O.	mg/L	0.08	--	--	--				
Turbidity	NTU	1.48	--	--	--				
pH, Field	SU	5.59	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0206	--	--	--				
Iron	mg/L	1.39	--	--	--				
Magnesium	mg/L	112	--	--	--				
Potassium	mg/L	54.9	--	--	--				
Sodium	mg/L	530	--	--	--				
Alkalinity	mg/L	66.1	--	--	--				
		Appendix III							
Boron	mg/L	2.67	--	--	--				
Calcium	mg/L	500	--	--	--				
Chloride	mg/L	461	--	--	--				
Fluoride[1]	mg/L	<0.500	--	--	--				
pH, Laboratory	SU	5.8	--	--	--				
Sulfate	mg/L	2,090	--	--	--				
Total Dissolved Solids	mg/L	4,000	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	<0.000690	--	--	--				
Barium	mg/L	0.0182	--	--	--				
Beryllium	mg/L	0.000378 J	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	1.01	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	1.72	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater								
Sample Location:		AP MW-5D								AP MW-5D (Dissolved)
Screen Interval Elevation (feet AMSL):		219.0 - 229.0								219.0 - 229.0
Sample Date:		6/2/2025	7/21/2025	8/25/2025	10/14/2025					8/25/2025
Constituent	Unit									
		Field Parameters								
Temperature	°C	25.1	26.8	28.1	25.6					28.1
Conductivity	µS/cm	8,442	8,350	8,489	8,468					8,489
ORP	mV	155.1	102.4	88.4	62.4					88.4
D.O.	mg/L	0.29	1.10	0.36	0.38					0.36
Turbidity	NTU	9.38	8.23	23.1	3.52					23.1
pH, Field	SU	3.89	4.12	3.87	3.86					3.87
		Additional Chemistry Evaluation								
Aluminum	mg/L	18.1	28.6	27.0	28.9					26.8
Iron	mg/L	5.89	5.70	6.25	8.35					7.36
Magnesium	mg/L	159	166	169	149					150
Potassium	mg/L	68.4	68.5	68.8	60.2					61.2
Sodium	mg/L	1,040	1,070	1,230	1,010					1,070
Alkalinity	mg/L	<4.00	<4.00	<4.00	<4.00					--
		Appendix III								
Boron	mg/L	1.29	1.35	1.42	1.21					1.27
Calcium	mg/L	540	550	635	520					545
Chloride	mg/L	1,470	1,570	1,460	1,580					--
Fluoride[1]	mg/L	3.85	3.67	3.07	3.50					--
pH, Laboratory	SU	4.0	3.7	3.6	3.9					--
Sulfate	mg/L	2,920	2,910	3,250	3,190					--
Total Dissolved Solids	mg/L	5,340	6,640	6,480	4,340					--
		Appendix IV								
Antimony	mg/L	<0.000750	<0.000750	<0.00375	<0.000750					0.00907 J
Arsenic	mg/L	0.0102	0.0121	0.0119	0.0129					0.0272
Barium	mg/L	0.0157	0.0101	0.0151 J	0.0154					0.0118
Beryllium	mg/L	0.108	0.156	0.135	0.145					0.131
Cadmium	mg/L	0.00255	0.00253	0.00238	0.00271					<0.000831
Chromium	mg/L	0.000961 J	0.000598 J	0.000666 J	0.00172 J					<0.00216
Cobalt	mg/L	0.574	0.0528	0.0602	0.0619					0.0661
Lead	mg/L	0.000653 J	<0.00184	<0.00184	0.000643 J					<0.00368
Lithium	mg/L	1.06	0.961	0.951	0.974					0.904
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706					<0.0000706
Molybdenum	mg/L	<0.000255	<0.000255	<0.000255	<0.000255					<0.00260
Radium-226/228	pCi/L	5.38	4.61	7.63	4.63					--
Selenium	mg/L	0.126	<0.00295	<0.00295	<0.000590					<0.00927
Thallium	mg/L	0.000606 J	<0.00208	<0.00208	0.000727 J					<0.0110

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater							
Sample Location:		AP MW-6							
Screen Interval Elevation (feet AMSL):		228.7 - 233.7							
Sample Date:		5/22/2025	NS	NS	NS				
Constituent	Unit								
		Field Parameters							
Temperature	°C	24.2	--	--	--				
Conductivity	µS/cm	5,257	--	--	--				
ORP	mV	19.9	--	--	--				
D.O.	mg/L	0.16	--	--	--				
Turbidity	NTU	7.22	--	--	--				
pH, Field	SU	6.21	--	--	--				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0236	--	--	--				
Iron	mg/L	0.343	--	--	--				
Magnesium	mg/L	71.1	--	--	--				
Potassium	mg/L	56.0	--	--	--				
Sodium	mg/L	760	--	--	--				
Alkalinity	mg/L	204	--	--	--				
		Appendix III							
Boron	mg/L	0.897	--	--	--				
Calcium	mg/L	410	--	--	--				
Chloride	mg/L	1,050	--	--	--				
Fluoride[1]	mg/L	<1.00	--	--	--				
pH, Laboratory	SU	6.3	--	--	--				
Sulfate	mg/L	1,180	--	--	--				
Total Dissolved Solids	mg/L	4,270	--	--	--				
		Appendix IV							
Antimony	mg/L	<0.000750	--	--	--				
Arsenic	mg/L	<0.000690	--	--	--				
Barium	mg/L	0.0342	--	--	--				
Beryllium	mg/L	<0.000271	--	--	--				
Cadmium	mg/L	<0.000240	--	--	--				
Chromium	mg/L	<0.000560	--	--	--				
Cobalt	mg/L	<0.000355	--	--	--				
Lead	mg/L	<0.000367	--	--	--				
Lithium	mg/L	0.693	--	--	--				
Mercury	mg/L	<0.0000706	--	--	--				
Molybdenum	mg/L	<0.000255	--	--	--				
Radium-226/228	pCi/L	1.68	--	--	--				
Selenium	mg/L	<0.000590	--	--	--				
Thallium	mg/L	<0.000415	--	--	--				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater							
Sample Location:		AP MW-7D							
Screen Interval Elevation (feet AMSL):		223.7 - 233.7							
Sample Date:		6/2/2025	7/18/2025	8/25/2025	10/16/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	26.5	26.1	29.7	21.7				
Conductivity	µS/cm	4,890	5,190	5,158	5,159				
ORP	mV	-176.7	-61.8	-102.2	-156.8				
D.O.	mg/L	0.30	2.04	0.33	0.25				
Turbidity	NTU	6.17	8.25	8.37	1.02				
pH, Field	SU	6.96	6.94	6.81	6.88				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0265	0.0193 J	<0.0275	0.00995 J				
Iron	mg/L	0.650	0.691	1.06	0.535				
Magnesium	mg/L	55.3	53.4	51.2	58.0				
Potassium	mg/L	50.6	45.3	44.7	42.8				
Sodium	mg/L	675	635	675	685				
Alkalinity	mg/L	264	264	253	252				
		Appendix III							
Boron	mg/L	0.987	0.953	0.901	0.955				
Calcium	mg/L	384	345	341	378				
Chloride	mg/L	953	951	957	1030				
Fluoride[1]	mg/L	0.555 J	<0.500	<0.500	<0.100				
pH, Laboratory	SU	6.8	6.8	7.0	6.9				
Sulfate	mg/L	1,080	1,110	1,180	1,260				
Total Dissolved Solids	mg/L	86,400	3,700	3,870	3,070				
		Appendix IV							
Antimony	mg/L	0.000882 J	<0.000750	<0.00375	<0.000750				
Arsenic	mg/L	0.0373	0.0216	0.0224	0.00970				
Barium	mg/L	0.0656	0.0582	0.0607	0.0518				
Beryllium	mg/L	<0.000271	<0.000271	<0.00136	<0.000271				
Cadmium	mg/L	<0.000240	<0.000240	<0.00120	<0.000240				
Chromium	mg/L	<0.000560	<0.000560	<0.00280	0.00232 J				
Cobalt	mg/L	0.00719	0.00645	0.00584 J	0.00399				
Lead	mg/L	<0.000367	<0.000367	<0.00184	<0.000367				
Lithium	mg/L	0.545	0.405	0.399	0.404				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.0188	0.0162	0.0159	0.0124				
Radium-226/228	pCi/L	2.20	1.62	1.98	1.63				
Selenium	mg/L	<0.000590	<0.000590	<0.00295	<0.000590				
Thallium	mg/L	<0.000415	<0.000415	<0.00208	<0.000415				

Table A-2
Groundwater Analytical Results - Monitoring Wells/Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Scrubber Sludge Pond & Ash Ponds - Deep Groundwater							
Sample Location:		AP PZ-4							
Screen Interval Elevation (feet AMSL):		227.9 - 232.9							
Sample Date:		5/22/2025	7/21/2025	8/25/2025	10/14/2025				
Constituent	Unit								
		Field Parameters							
Temperature	°C	26.8	23.7	27.0	24.8				
Conductivity	µS/cm	6,813	7,250	7,306	7,247				
ORP	mV	112.5	-71.2	-89.8	48.2				
D.O.	mg/L	2.21	1.41	0.41	0.55				
Turbidity	NTU	8.51	3.53	5.30	0.94				
pH, Field	SU	7.70	8.58	8.56	8.76				
		Additional Chemistry Evaluation							
Aluminum	mg/L	0.0191 J	0.0359	<0.0275	0.278				
Iron	mg/L	0.0472	0.0116 J	<0.0223	1.11				
Magnesium	mg/L	44.8	18.2	10.8	160				
Potassium	mg/L	72.5	66.9	67.3	54.3				
Sodium	mg/L	965	820	890	940				
Alkalinity	mg/L	42.3	21.0	8.6	13.9				
		Appendix III							
Boron	mg/L	0.924	0.518	0.402	0.294				
Calcium	mg/L	525	499	555	885				
Chloride	mg/L	2,170	1,860	2,300	2,450				
Fluoride[1]	mg/L	<1.00	<0.500	<0.500	<0.100				
pH, Laboratory	SU	7.5	7.9	7.7	7.4*				
Sulfate	mg/L	200	98.5	107	115				
Total Dissolved Solids	mg/L	3,960	4,030	4,280	4,720				
		Appendix IV							
Antimony	mg/L	0.000942 J	<0.000750	0.00772 J	<0.000750				
Arsenic	mg/L	0.00107 J	0.00106 J	<0.00345	0.00595				
Barium	mg/L	0.152	0.165	0.252	0.0271				
Beryllium	mg/L	<0.000271	<0.000271	<0.00136	0.00536				
Cadmium	mg/L	<0.000240	<0.000240	<0.00120	0.00436				
Chromium	mg/L	0.00272 J	0.000745 J	<0.00280	<0.000560				
Cobalt	mg/L	<0.000355	<0.000355	<0.00178	0.0433				
Lead	mg/L	<0.000367	<0.000367	<0.00184	0.000613 J				
Lithium	mg/L	0.746	0.207	0.457	0.713				
Mercury	mg/L	<0.0000706	<0.0000706	<0.0000706	<0.0000706				
Molybdenum	mg/L	0.00312	0.00225	0.00284 J	0.000419 J				
Radium-226/228	pCi/L	4.67	2.33	2.57	2.62				
Selenium	mg/L	<0.000590	<0.000590	<0.00295	<0.000590				
Thallium	mg/L	<0.000415	<0.000415	<0.00208	0.00177 J				

Notes:
Bold & Underlined values indicate a constituent detected above the laboratory's reporting limits.
AMSL - Above Mean Sea Level
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
°C - Degrees Celsius.
D.O. - Dissolved oxygen.
mg/L - milligrams per liter.
mV - millivolts.
NTU - Nephelometric Turbidity Unit.
ORP - Oxidation-reduction potential.
pCi/L - picocuries per liter.
SU - standard units.
U - Value is below the laboratory's sample detection limit for Radium 226/228
µS/cm - microsiemens per centimeter.
-- - not analyzed.
* = The initial analysis of the sample for AP PZ-4 collected on October 14, 2025, appeared to be anomalous. A request was made for reanalysis. The reanalysis result is reported for this constituent. Both the initial analysis and reanalysis results are included in the laboratory report in Appendix C.

Comments:
1. Under the Federal CCR Rule, fluoride is listed as both an Appendix III and Appendix IV constituent. For reporting purposes, fluoride concentrations are only listed on this table under the Appendix III section of the table.

Table A-3
Liquids Analytical Results - Site F Landfill Piezometers
Alternative Source Demonstration - Addendum #2
Gibbons Creek Steam Electric Station

Monitored CCR Unit		Site F Landfill	
Sample Location:		F2	F3
Sample Date:		7/23/2025	7/23/2025
Constituent	Unit		
		Field Parameters	
Temperature	°C	25.2	26.8
Conductivity	µS/cm	6,553	5,678
ORP	mV	-294.1	-353
D.O.	mg/L	0.80	0.20
Turbidity	NTU	28.4	22.1
pH, Field	SU	8.70	9.61
		Additional Chemistry Evaluation	
Aluminum	mg/L	1.17	1.06
Iron	mg/L	0.114	1.53
Magnesium	mg/L	12.2	0.920
Potassium	mg/L	22.5	25.3
Sodium	mg/L	293	181
Alkalinity	mg/L	296	939
		Appendix III	
Boron	mg/L	63.3	77.5
Calcium	mg/L	1,090	1,330
Chloride	mg/L	1,360	612
Fluoride[1]	mg/L	1.88 J	3.94
pH, Laboratory	SU	8.5	9.5
Sulfate	mg/L	1,330	1,490
Total Dissolved Solids	mg/L	4,760	3,420
		Appendix IV	
Antimony	mg/L	<0.000750	<0.0375
Arsenic	mg/L	<0.000690	0.0947 J
Barium	mg/L	0.00784	<0.0671
Beryllium	mg/L	<0.000271	<0.000271
Cadmium	mg/L	<0.000240	<0.0120
Chromium	mg/L	0.00152 J	<0.0280
Cobalt	mg/L	<0.000355	<0.0178
Lead	mg/L	0.00120 J	0.000917 J
Lithium	mg/L	0.201	0.117
Mercury	mg/L	<0.0000706	0.000391
Molybdenum	mg/L	<0.000255	<0.0128
Radium-226/228	pCi/L	1.71	2.07
Selenium	mg/L	<0.000590	<0.0295
Thallium	mg/L	<0.000415	<0.000415

Notes:
J - Value is below the Reporting Limit and above the Method Detection Limit; therfore, value is estimated and not considered significant.
°C - Degrees Celsius.
D.O. - Dissolved oxygen.
mg/L - milligrams per liter.
mV - millivolts.
NTU - Nephelometric Turbidity Unit.
ORP - Oxidation-reduction potential.
pCi/L - picocuries per liter.
SU - standard units.
µS/cm - microsiemens per centimeter.

Comments:
1. Under the Federal CCR Rule, fluoride is listed as both an Appendix III and Appendix IV constituent. For reporting purposes, fluoride concentrations are only listed on this table under the Appendix III section of the table.

Appendix B

Groundwater Sampling Field Forms

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.	Solinst
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	~~8000~~ 8000	26.9	10050	-178.9	.48	92.5	6.00	27.60	
1540	~~8500~~ 8500	27.2	10200	-179.2	.48	92.0	6.01	27.60	
1545	~~9000~~ 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			
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: | 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.	Solinst
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: mom	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
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	72.6	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	2.23	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 tint			

	± 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
~~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	37.9	0.57	28.9	3.65	25.68	
0845	1500	23.9	5589	46.7	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			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

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~~ DL	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						

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s):	PWC
MW Identification:	SSP MW-55	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% <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.	WLSolo
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: None Turbidity:		12. Drive Gas (Air/Nitrogen)	(AIR) / NITROGEN / N/A
Color: Clear			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (MS/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
		± 3%	± 3%	± 10 MV	± 10% < 0.5	< 10	± 0.1	WL	
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	24.66	
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:		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 & JLS
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	3.07	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.	
4. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / (N/A)	App. III and App. IV CCR Parameters	
5. Sample Rate (mL/min)		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			
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-6D	Date/Time:	7.17.25, 1330
Sample Number:		PID Readings: N/A	
Weather Conditions:	89°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.])	7.91	7. Purge Rate (mL/min)	100
2. Intake Depth (±0.01 ft.)	51.52	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)		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
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	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):	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			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

7.21.25

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	RWC
MW Identification:	AP MW-10 (dup)	Date/Time:	~~7.22.25~~ 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	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):	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	1170	5.62	12.94	
1105	1500	26.5	2011	-14.9	0.54	67.0	5.62	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	100	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	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 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%	± 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
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								
1640	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% 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
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	67.8	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:	APSSS MW-75	PID Readings: N/A	
Weather Conditions:	Warm 80°		
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 0915	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	44.2	5.36	27.75	
1130	7000	24.6	5780	157.4	1.24	40.9	5.37	27.94	
1135	7500	24.6	5780	160.6	1.12	37.5	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:		9. Other Information:	
Turbidity	Low		Very slow 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			
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:
Date/Time: 7/16/25 1020
Sample Number: 554 AP 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	14.2	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 Labels EQ-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	BSP
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:			

Time	Volume Purged (mL)	Temp (°C) ±3%	Conductivity (µs/cm) ±3%	ORP (mV) ±10MV	D.O. (mg/L) ±10% <0.5	Turbidity (NTU) <10	pH ±0.1	~~Drawdown~~ WL	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 @ 1510								

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 PZ-1		Date/Time: 7.21.25 / 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 (BWC)
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			

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	
0940	START Pump							6.18	~~6.18~~
0945	750	25.6	9462	-132.2	1.37	23.7	4.82	7.80	150 ml/m
0950	1,500	25.3	9489	-119.1	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	8.98	
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	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 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	7.50	6.42	15.75	
1230	3500	26.1	10379	-11.2	0.35	5.01	6.42	16.24	
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.)	49.5	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% ≥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	after lattim
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	7350	-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 ~~0800~~	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:	
Color	Clear	Slow recharge @	
Odor	none	100 ml/min)	

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

11. Instrument type: **YSI ProSeries**

Calibration Date: 7/2/2025

Calibration Time:

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

See attached calibration documentation

Proposed

Low Stress Groundwater Sampling Data Sheet

Facility Name: **GCSES**		Sampler Name(s): PWC
MW Identification: SFL MW-1S		Date/Time: 7-23-2025 / NA
Sample Number:		PID Readings: **N/A**
Weather Conditions: 83° Pt 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.])	~~31.05~~ → 37.0' checked today	7. Purge Rate (mL/min)	N/A
2. Intake Depth (±0.01 ft.)	37.80	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	38.40	8. Purge Equipment Used	Peristalic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	None	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
0710	Attempted to purge dry,		use peristaltic pump. Double-checked depth to water below top of casing.			but	could	not	set ± 37'
0715			NO	SAMPLE					

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: N/A
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):	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	-89.4	0.53	82.3	6.76	20.31	Very cloudy @ 0850
0850	4500	24.7	6310	-83.1	0.42	57.4	6.77	20.34	
0855	5000	25.1	6290	-73.7	0.41	51.7	6.77	20.38	
0900	5500	25.1	6310	-69.4	0.41	50.1	6.77	20.40	
0905	6000	25.2	6290	-65.1	0.41	48.3	6.77	20.42	
0910	6500	25.2	6300	-63.7	0.39	46.8	6.77	20.45	
0915	7000	25.4	6250	-68.3	0.99	22.5	6.77	20.47	
0920	7500	25.3	6260	-70.1	0.62	22.0	6.77	20.43	
0925	8000	25.3	6280	-72.3	0.49	21.0	6.78	20.42	
0930	8500	25.3	6300	-74.3	0.98	20.5	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			
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-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	187	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):	PVL
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	I 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
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	16.10	
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			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

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 depth 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	7.4	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	32.70	

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): WRC
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

Facility Name: GCSES		Sampler Name(s):
MW Identification: ~~SFL~~	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			

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
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	0.9	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~~	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			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES	Sampler Name(s):	RWC
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	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.])	11.38	7. Purge Rate (mL/min)	125
2. Intake Depth (±0.01 ft.)	21.00	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	23.01	8. Purge Equipment Used	Peristaltic
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	Yes / No
5. Actual Volume of Water Purged (mL)	3825	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
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	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1345
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:		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

7-22-2025

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	AVC
MW Identification:	SFL MW-8 D	Date/Time:	~~10-22-25~~ / 1530
Sample Number:		PID Readings: N/A	1600 for FD-3
Weather Conditions:	93° F hot, pthy 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.])	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			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	RWC
MW Identification:	MW-150	Date/Time:	7-22-25 / 1205
Sample Number:		PID Readings: N/A	
Weather Conditions:	87°F, mtly clear, 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

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	PWC
MW Identification:	F2 (SFC)	Date/Time:	7-23-25 / 0820
Sample Number:		PID Readings: N/A	
Weather Conditions:	85°F Pt1y Cldy		
Wellhead Inspection:	Buried		

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.])	35.30	7. Purge Rate (mL/min)	Grab Sample
2. Intake Depth (±0.01 ft.)	NA	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	42.12	8. Purge Equipment Used	Bailer
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	(Yes) / No
5. Actual Volume of Water Purged (mL)	NA	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor pwc ~~Strong~~ Faint 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
								35.30	
0820	GRAB	25.2	6353	-294.1	0.80	28.4	8.70	-	GRAB
			Filtered Dissolved Metals Sample						

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	NA
2. Sample Filtered?	(Yes) / No	8. Sample Time:	0820
3. Sampling Equip. Used	Bailer	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)	NA		
6. Sample Appearance:		9. Other Information:	
Turbidity	Low		
Color	Clear		
Odor	Faint ~~Strong~~ Sulphur pwc		

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:	F3 (SFL)	Date/Time:	7-23-25 / F3 0755
Sample Number:		PID Readings: N/A	
Weather Conditions:	85° Pty Cldy		
Wellhead Inspection:	Buried		

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.])	40.12	7. Purge Rate (mL/min)	Grab Sample - Dedicated Bailer
2. Intake Depth (±0.01 ft.)	N.A	7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	50.05	8. Purge Equipment Used	Dedicated Bailer
4. Casing Diameter (inches)	2"	9. Dedicated? (Yes/No)	(Yes) / No
5. Actual Volume of Water Purged (mL)	NA	10. Immiscibility layer?	Yes / No
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: Strong	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
								40.12	
0755	GRAB	26.8	5678	-353	0.20	22.1	9.61	NA	GRAB
			Filtered Dissolved Metals Sample						

1. Well evacuated to dryness?	Yes / (No)	7. Time to recharge (min):	
2. Sample Filtered?	(Yes) / No	8. Sample Time:	0755
3. Sampling Equip. Used	Bailer	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)	NA		
6. Sample Appearance:		9. Other Information:	
Turbidity	Low		
Color	Clear		
Odor	Strong 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):	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 ~~EB~~ @ 1100

EB1

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

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, PHy Cldy, Humid
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.]) 26.38
2. Intake Depth (±0.01 ft.) 35.00
3. Bottom of casing (±0.01 ft.) 37.10
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
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
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	3500	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)
2. Sample Filtered? Yes / No
3. Sampling Equip. Used
4. Drive Gas (Air/Nitrogen) AIR /NITROGEN/ N/A
5. Sample Rate (mL/min) 100
6. Sample Appearance:
   Turbidity
   Color
   Odor
7. Time to recharge (min):
8. Sample Time: 1435
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: SSP MW-5 S — 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
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.]) 20.00
2. Intake Depth (±0.01 ft.) 42.00
3. Bottom of casing (±0.01 ft.) 44.15
4. Casing Diameter (inches) 2"
5. Actual Volume of Water Purged (mL)
6. Purge Water Characteristics:
   Odor: None — Turbidity: Clear
   Color: Clear
7. Purge Rate (mL/min) 200
7. Water Level Measuring Equip.
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

±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	-79.2	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	-5 S			
			↳	SSP	MW1	-5 S	(FD-1)		Time: 1215

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: 1210
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:	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.	Dedtect
3. Bottom of casing (±0.01 ft.)	64.45	8. Purge Equipment Used	Bladder
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	25.8	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 / 10.30
Sample Number:		PID Readings: N/A
Weather Conditions: 90° F, 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.])	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	8018	-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):	PWC
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	-129.8	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	19.10	
0830	7000	24.1	6333	-112.6	0.	2.24	6.31	19.98	
by	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:	Clear	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	~~14.43~~ 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			
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:	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.	~~Dipper~~
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	26.4	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			
Conduct.			
ORP			
D.O			
Turbidity			

See attached calibration documentation

#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: Slightly 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	6530	11.1	.30	40.3	6.26	23.70	
1335	2000	28.5	6440	10.6	.28	35.5	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	28.1	5.06	26.02	
1410	5500	27.2	5834	150.2	.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	27.26	
1435	8000	26.1	5857	198.7	.18	22.8	4.98	27.42	
1440	8500	26.3	5822	208.4	.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):	~~1120~~
2. Sample Filtered?	(Yes) / No	8. Sample Time:	~~1320~~ 1520
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

7S

Low Stress Groundwater Sampling Data Sheet (Extension Page)

Facility Name: GCSES
Sampler Name(s): WRC
MW Identification: AP-MW-~~4S~~ 7S
Date/Time: 8/25/25 1300
Sample Number:
PID Readings: N/A
Weather Conditions: 90°
Wellhead Inspection:

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	.29	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	Pumpon								
1610	500	30.8	4629	-37.5	1.30	1.27	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	5177	-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			
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: AP MW-7B		Date/Time: 8/7/25
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	29.8	5153	-108.2	.33	9.8	6.81	30.89	
1755	11000	29.9	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							
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 PZ-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
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.]): 13.88
2. Intake Depth (±0.01 ft.): 44.40
3. Bottom of casing (±0.01 ft.): 46.47
4. Casing Diameter (inches): 2"
5. Actual Volume of Water Purged (mL):
6. Purge Water Characteristics:

Odor _____ Turbidity _____

Color _____

7. Purge Rate (mL/min): 200 / 100
7. Water Level Measuring Equip.:
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

±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)
2. Sample Filtered? Yes / (No)
3. Sampling Equip. Used: Peristaltic
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN/ N/A
5. Sample Rate (mL/min): 100ml/min
6. Sample Appearance:
   - Turbidity: Clear
   - Color: Clear
   - Odor: None
7. Time to recharge (min):
8. Sample Time: 1635
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 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.)	36.82	7. Water Level Measuring Equip.	Geotech
3. Bottom of casing (±0.01 ft.)	38.82	8. Purge Equipment Used	Bladder
4. Casing Diameter (inches)	2.0"	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	-49.4	3.92	41.2	6.49	15.48	
0755	2500	22.9	10414	-44.5	5.25	33.6	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	~~2290~~	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

Proposed

Low Stress Groundwater Sampling Data Sheet

HDR	Facility Name: GCSES	Sampler Name(s): DWC / WMC
	MW Identification: SFL MW-LS	Date/Time: 8·28·25 / 0705
	Sample Number:	PID Readings: N/A
	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.])	30.59	7. Purge Rate (mL/min)	N/A
2. Intake Depth (±0.01 ft.)		7. Water Level Measuring Equip.	
3. Bottom of casing (±0.01 ft.)	38.50	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
0705	*	22.4	9290	-84.0	.47	47.4	6.32	30.59	
									Dissolved Metals sample was filtered other samples were not.

1. Well evacuated to dryness? Yes / (No)
2. Sample Filtered? (Yes) / No
3. Sampling Equip. Used: Bailer
4. Drive Gas (Air/Nitrogen): AIR /NITROGEN/ N/A
5. Sample Rate (mL/min): —
6. Sample Appearance: Light cldy
   - Turbidity: "
   - Color: "
   - Odor: None

*

7. Time to recharge (min):
8. Sample Time: 0705
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): 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.	Solinst
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)	16,000	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	Sys 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, Alkalinity
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):	NRC
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	35.43	
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	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	68.95	
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			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s): Dave
MW Identification:	SSP MW-2D	Date/Time: 10.17.25 / 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):		10. Decontamination Procedures:	Alconox/DI Rinse
2. Sample Filtered?	Yes / No	8. Sample Time:	1145	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)	150				
6. Sample Appearance:	Clear				
Turbidity	Clear	9. Other Information:			
Color	Clear				
Odor	None				

	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:	10/13/25 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)	6400	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			

ft/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	Drawdown	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	28.4	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 in car 1730									

1. Well evacuated to dryness?	Yes (No)	7. Time to recharge (min):	
2. Sample Filtered?	Yes (No)	8. Sample Time:	1615
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

* 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: SSP 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	Dearock
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	0.80	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):	-	10. Decontamination Procedures:	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	~~10500~~ 0845	**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)	150	**Na, Mg, K, Fe, Al, Alkalinity**		Calibration Time:	
6. Sample Appearance:					
Turbidity	Clear	9. Other Information:			
Color	clear				
Odor	none				

	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:	SSD 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	0.55	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			
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:	10/14/25 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):	
2. Sample Filtered?	Yes / (No)	8. Sample Time:	1510
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): 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	~~Drawdown~~ WL	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	15.65	
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			

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~ WL 20.10	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):	
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	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			
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:	10/14/25 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. Immiscibility layer?	Yes / (No)
6. Purge Water Characteristics:		11. Thickness of immiscible layer	
Odor: None Turbidity: V. Slightly 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	33.56	
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:	10.24.25 / 0825
Sample Number:		PID Readings: N/A	0830 DUP FO-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: FO-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:	Airs		

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	B. 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.L.

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	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

SAMPLED WITH BAILER

Proposed

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES	Sampler Name(s): WRC
MW Identification:	Date/Time: 10/15/25 1530
Sample Number:	PID Readings: N/A
Weather Conditions: SFL MW-15	
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.)		7. Water Level Measuring Equip.	Solinst
3. Bottom of casing (±0.01 ft.)		8. Purge Equipment Used	Bailer
4. Casing Diameter (inches)		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 Slightly Cloudy	12. Drive Gas (Air/Nitrogen)	AIR / NITROGEN / N/A
Color Very Slight Tan			

±3% ±3% ±10mV <0.5 <10 ±0.1 ~~ft~~ ft/L

Time	Volume Purged (mL)	Temp (°C)	Conductivity (µs/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	pH	~~Drawdown~~	Notes
								28.20	
1545	—	22.8	9518	95.0	1.85	44.2	6.46		

1. Well evacuated to dryness?	Yes / No	7. Time to recharge (min):	
2. Sample Filtered?	Yes / No	8. Sample Time:	1545
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): 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:
   - 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

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	p	—	—	—	—	—	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			
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 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.: Heated
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/min):
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): PLC
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			Stnd. / Reading / Temp.	
Turbidity	"	9. Other Information:		pH, Conduct., ORP, D.O, Turbidity	See attached calibration documentation
Color	"				
Odor	None				

#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): PC
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	See attached calibration documentation		
Conduct.			
ORP			
D.O			
Turbidity			

Low Stress Groundwater Sampling Data Sheet

Facility Name: GCSES		Sampler Name(s):	DWC
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	77.8	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 SAMPLES								
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	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:	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	11		
Color	11		
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			

Appendix C

Laboratory Analytical Reports

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.

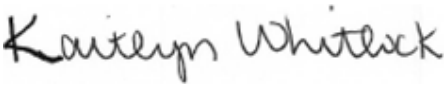
my EOL

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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(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 ID: 870-38331-1 — Eurofins Dallas

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 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
Lab Sample ID: 870-38331-7
Date Collected: 07/17/25 13:30
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	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
Lab Sample ID: 870-38331-8
Date Collected: 07/17/25 16:10
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	**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 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: 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
Lab Sample ID: 870-38331-11
Date Collected: 07/18/25 12:05
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	**1.30**		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
Lab Sample ID: 870-38331-12
Date Collected: 07/18/25 15:00
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	**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
Lab Sample ID: 870-38331-13

Date Collected: 07/18/25 13:00
Matrix: Water
Date Received: 07/22/25 10:04

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: 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: 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
Project/Site: Appendix III/IV

Job ID: 870-38331-1

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

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

Date Collected: 07/17/25 17:00
Date Received: 07/22/25 10:04

Lab Sample ID: 870-38331-9
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		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: URC / 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:			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 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	Y					7	
AP MWT-1 FD-1	7/17/25	1700	G	Water			X	X	X	X	X	X		X	Y					7	
				Water																	
				Water																	

870-38331 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
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: TM-042 -0.3 1.6/1.2 1.6/1.3 0.8/0.5 0.6/0.3 0.6/0.3

Ver: 05/06/2024

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 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		
AP MW-4S	7/18/25	1605	G	Water			X	X	X	X	X	X		X	X		
				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

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-8798.1
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	

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 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.

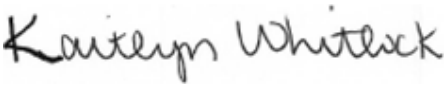
my EOL

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
Lab Sample ID: 870-38385-9

Date Collected: 07/21/25 10:50
Matrix: Water
Date Received: 07/23/25 10:40

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: PWC/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 rev 1

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

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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: 870-8812.1
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	

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

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.

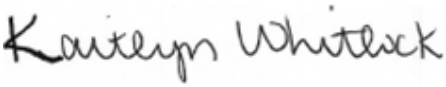
my EOL

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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8/28/2025 5:03:43 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: 870-38417-1
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 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

Date Collected: 07/22/25 10:10
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-2
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	1.33		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

Date Collected: 07/22/25 10:05
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-3
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			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)
		Ba
Lab Sample ID	Client Sample ID	(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)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(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

Lab Chronicle

Client: HDR Inc
Job ID: 870-38417-1
Project/Site: Appendix III/IV

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

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
Date Collected: 07/22/25 14:00
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38417-9
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		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

eurofins | Environment Testing

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 Mutile	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 ~~1730~~		1460	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

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:	Date/Time:	Company	Received by:	Date/Time:	Company
1	WRC via FEDEX	7/23/25 1400		FEDEX		
2	FEDEX				7/24/25 907	
3						

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

Ver: 05/06/2024 .10.1

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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: 870-8818.1
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	

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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

870-38412-1

Eurofins Dallas
9701 Harry Hines Blvd
Dallas TX 75220

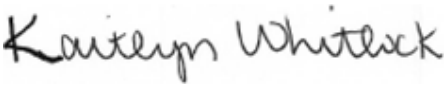
See page two for job notes and contact information.

Job Notes

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

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

Authorization



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Authorized for release by
Kaitlyn Whitlock, Project Manager
Kaitlyn.Whitlock@et.eurofinsus.com
(214)902-0300

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Definitions/Glossary

Client: HDR Inc
Job ID: 870-38412-1
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
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
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
870-38412-1

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 temperature of the cooler at receipt time was 2.1°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: F3 (870-38412-1) and F2 (870-38412-2). 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 following sample was diluted to bring the concentration of target analytes within the calibration range: F3 (870-38412-1). Elevated reporting limits (RLs) are provided.

Method 6020B: The following sample was diluted due to the nature of the sample matrix: F2 (870-38412-2). Elevated reporting limits (RLs) are provided.

Method 7470A - Dissolved: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-251736 and analytical batch 860-251912 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: F3 (870-38412-1), F2 (870-38412-2) and FB-05 (870-38412-3).

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 160-729795

The method blank for bismuth-214 (Ra226) is above the achieved MDC. This is possibly due to ambient radon present during sample count that was not present during the long monthly background count that is used for background subtraction. This ambient radon could also potentially affect the sample counts, and particularly affects non-soil matrices. Gamma spectroscopy is not very sensitive to radium and daughters (i.e. bismuth-214, lead-214). If the client is concerned with the results and desires a more reliable method for radium, the laboratory suggests EPA method 903.0 if TDS is relatively low

(MB 160-729795/1-A)

Method 901.1_Ra: Gamma Prep Batch 160-729795
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

F3 (870-38412-1), F2 (870-38412-2), FB-05 (870-38412-3) and (870-38412-A-1-B DU)

Method 901.1_Ra: Gamma prep batch 160-729795:

he Ra-228 MDC for the method blank (MB) is above the requested limit of 50.0 pCi/L. Activity was not observed in the MB above the MDC or RL. The data have been reported with the MDC achieved. (MB 160-729795/1-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 729211
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: F3 (870-38412-1). 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: F3

Date Collected: 07/23/25 07:40
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38412-1

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**612**		2.50	1.25	mg/L			07/26/25 23:44	5
Fluoride	**3.94**		2.50	0.500	mg/L			07/26/25 23:44	5
Sulfate	**1490**		2.50	1.00	mg/L			07/26/25 23:44	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**77.5**		2.50	0.809	mg/L		07/28/25 13:28	07/29/25 14:24	50
Calcium	**1330**		10.0	5.08	mg/L		07/28/25 13:28	07/29/25 14:24	50
Magnesium	**0.920**		0.200	0.0445	mg/L		07/28/25 13:28	07/29/25 14:21	1
Potassium	**25.3**		0.500	0.106	mg/L		07/28/25 13:28	07/29/25 14:21	1
Sodium	**181**		0.500	0.152	mg/L		07/28/25 13:28	07/29/25 14:21	1
Lithium	**0.117**		0.0400	0.0174	mg/L		07/28/25 13:28	07/29/25 14:21	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.636**		0.200	0.0352	mg/L		07/29/25 11:23	07/30/25 12:11	1
Antimony	**0.0471**		0.0200	0.00803	mg/L		07/29/25 11:23	07/30/25 12:11	1
Arsenic	**0.754**		0.0100	0.00650	mg/L		07/29/25 11:23	07/30/25 12:11	1
Barium	**0.0512**		0.0100	0.00125	mg/L		07/29/25 11:23	07/30/25 12:11	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		07/29/25 11:23	07/30/25 12:11	1
Boron	**75.0**		2.50	0.809	mg/L		07/29/25 11:23	07/30/25 12:19	50
Cadmium	**0.00892**		0.00500	0.000831	mg/L		07/29/25 11:23	07/30/25 12:11	1
Calcium	**1320**		10.0	5.08	mg/L		07/29/25 11:23	07/30/25 12:19	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		07/29/25 11:23	07/30/25 12:11	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		07/29/25 11:23	07/30/25 12:11	1
Iron	**0.219**		0.200	0.0283	mg/L		07/29/25 11:23	07/30/25 12:11	1
Lead	**0.00448**	**J**	0.0100	0.00368	mg/L		07/29/25 11:23	07/30/25 12:11	1
Magnesium	**0.802**		0.200	0.0445	mg/L		07/29/25 11:23	07/30/25 12:11	1
Molybdenum	**0.0811**		0.0100	0.00260	mg/L		07/29/25 11:23	07/30/25 12:11	1
Potassium	**24.7**		0.500	0.106	mg/L		07/29/25 11:23	07/30/25 12:11	1
Selenium	**0.0944**		0.0300	0.00927	mg/L		07/29/25 11:23	07/30/25 12:11	1
Sodium	**180**		0.500	0.152	mg/L		07/29/25 11:23	07/30/25 12:11	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		07/29/25 11:23	07/30/25 12:11	1
Li	**0.597**		0.0400	0.0174	mg/L		07/29/25 11:23	07/30/25 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.06**		0.0200	0.00549	mg/L		07/28/25 09:30	07/28/25 23:24	1
Antimony	<0.0375	U	0.100	0.0375	mg/L		07/28/25 09:30	07/29/25 18:34	50
Arsenic	**0.0947**	**J**	0.200	0.0345	mg/L		07/28/25 09:30	07/29/25 18:34	50
Barium	<0.0671	U	0.200	0.0671	mg/L		07/28/25 09:30	07/29/25 18:34	50
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 09:30	07/28/25 23:24	1
Cadmium	<0.0120	U	0.100	0.0120	mg/L		07/28/25 09:30	07/29/25 18:34	50
Chromium	<0.0280	U	0.200	0.0280	mg/L		07/28/25 09:30	07/29/25 18:34	50
Cobalt	<0.0178	U	0.100	0.0178	mg/L		07/28/25 09:30	07/29/25 18:34	50
Iron	**1.53**		1.00	0.223	mg/L		07/28/25 09:30	07/29/25 18:34	50
Lead	**0.000917**	**J**	0.00200	0.000367	mg/L		07/28/25 09:30	07/28/25 23:24	1
Molybdenum	<0.0128	U	0.100	0.0128	mg/L		07/28/25 09:30	07/29/25 18:34	50
Selenium	<0.0295	U	0.100	0.0295	mg/L		07/28/25 09:30	07/29/25 18:34	50
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 09:30	07/28/25 23:24	1

Client Sample ID: F3
Lab Sample ID: 870-38412-1
Date Collected: 07/23/25 07:40
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	**0.000391**		0.000200	0.0000706	mg/L		07/28/25 02:33	07/28/25 16:22	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000466**	**F1**	0.000200	0.0000706	mg/L		07/29/25 10:32	07/29/25 18:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**939**		4.00	4.00	mg/L			07/25/25 11:02	1
Total Dissolved Solids (SM 2540C)	**3420**		20.0	20.0	mg/L			07/29/25 16:31	1
pH (SM 4500 H+ B)	**9.5**	**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	**31.7**		17.7	18.0	50.0	20.2	pCi/L	07/30/25 14:17	08/20/25 02:37	1
Radium-228	16.1	U	19.7	19.8	50.0	28.2	pCi/L	07/30/25 14:17	08/20/25 02:37	1
Combined Radium 226 + 228	**47.8**		26.5	26.8		28.2	pCi/L	07/30/25 14:17	08/20/25 02:37	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	0.320	U	0.430	0.431	1.00	0.723	pCi/L	07/28/25 08:19	08/20/25 15:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*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	**1.75**	**G**	0.771	0.788	1.00	1.02	pCi/L	07/28/25 08:25	08/20/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*
Y Carrier	*81.1*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*

Client Sample ID: F2
Lab Sample ID: 870-38412-2
Date Collected: 07/23/25 08:20
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	**1360**		2.50	1.25	mg/L			07/26/25 23:57	5
Fluoride	**1.88**	**J**	2.50	0.500	mg/L			07/26/25 23:57	5
Sulfate	**1330**		2.50	1.00	mg/L			07/26/25 23:57	5

Client Sample ID: F2

Date Collected: 07/23/25 08:20
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38412-2

Matrix: Water

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**63.3**		0.0500	0.0162	mg/L		07/30/25 10:13	07/30/25 16:05	1
Calcium	**1090**		10.0	5.08	mg/L		07/30/25 10:13	07/30/25 16:11	50
Magnesium	**12.2**		0.200	0.0445	mg/L		07/30/25 10:13	07/30/25 16:05	1
Potassium	**22.5**		0.500	0.106	mg/L		07/30/25 10:13	07/30/25 16:05	1
Sodium	**293**		0.500	0.152	mg/L		07/30/25 10:13	07/30/25 16:05	1
Lithium	**0.201**		0.0400	0.0174	mg/L		07/30/25 10:13	07/30/25 16:05	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0550**	**J**	0.200	0.0352	mg/L		07/29/25 11:23	07/30/25 12:13	1
Antimony	**0.0111**	**J**	0.0200	0.00803	mg/L		07/29/25 11:23	07/30/25 12:13	1
Arsenic	**0.0989**		0.0100	0.00650	mg/L		07/29/25 11:23	07/30/25 12:13	1
Barium	**0.0431**		0.0100	0.00125	mg/L		07/29/25 11:23	07/30/25 12:13	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		07/29/25 11:23	07/30/25 12:13	1
Boron	**62.5**		2.50	0.809	mg/L		07/29/25 11:23	07/30/25 12:21	50
Cadmium	**0.000924**	**J**	0.00500	0.000831	mg/L		07/29/25 11:23	07/30/25 12:13	1
Calcium	**1170**		10.0	5.08	mg/L		07/29/25 11:23	07/30/25 12:21	50
Chromium	<0.00216	U	0.0100	0.00216	mg/L		07/29/25 11:23	07/30/25 12:13	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		07/29/25 11:23	07/30/25 12:13	1
Iron	<0.0283	U	0.200	0.0283	mg/L		07/29/25 11:23	07/30/25 12:13	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		07/29/25 11:23	07/30/25 12:13	1
Magnesium	**11.7**		0.200	0.0445	mg/L		07/29/25 11:23	07/30/25 12:13	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		07/29/25 11:23	07/30/25 12:13	1
Potassium	**20.2**		0.500	0.106	mg/L		07/29/25 11:23	07/30/25 12:13	1
Selenium	**0.0171**	**J**	0.0300	0.00927	mg/L		07/29/25 11:23	07/30/25 12:13	1
Sodium	**271**		25.0	7.59	mg/L		07/29/25 11:23	07/30/25 12:21	50
Thallium	<0.0110	U	0.0200	0.0110	mg/L		07/29/25 11:23	07/30/25 12:13	1
Li	**1.10**		0.0400	0.0174	mg/L		07/29/25 11:23	07/30/25 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.17**		0.0200	0.00549	mg/L		07/28/25 09:30	07/28/25 23:27	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 09:30	07/29/25 18:30	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/28/25 09:30	07/29/25 18:30	1
Barium	**0.00784**		0.00400	0.00134	mg/L		07/28/25 09:30	07/29/25 18:30	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 09:30	07/28/25 23:27	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 09:30	07/29/25 18:30	1
Chromium	**0.00152**	**J**	0.00400	0.000560	mg/L		07/28/25 09:30	07/29/25 18:30	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/28/25 09:30	07/29/25 18:30	1
Iron	**0.114**		0.0200	0.00445	mg/L		07/28/25 09:30	07/29/25 18:30	1
Lead	**0.00120**	**J**	0.00200	0.000367	mg/L		07/28/25 09:30	07/28/25 23:27	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/28/25 09:30	07/29/25 18:30	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 09:30	07/29/25 18:30	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 09:30	07/28/25 23:27	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		07/28/25 02:33	07/28/25 16:23	1

Client Sample ID: F2
Lab Sample ID: 870-38412-2
Date Collected: 07/23/25 08:20
Matrix: Water
Date Received: 07/24/25 09:07

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 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**296**		4.00	4.00	mg/L			07/25/25 11:17	1
Total Dissolved Solids (SM 2540C)	**4760**		20.0	20.0	mg/L			07/29/25 16:31	1
pH (SM 4500 H+ B)	**8.5**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**23.6**	**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	**79.2**		28.3	29.3	50.0	38.6	pCi/L	07/30/25 14:17	08/20/25 03:52	1
Radium-228	-2.18	U G	10.2	10.2	50.0	58.7	pCi/L	07/30/25 14:17	08/20/25 03:52	1
Combined Radium 226 + 228	**77.0**		30.1	31.0		58.7	pCi/L	07/30/25 14:17	08/20/25 03:52	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	0.454	U	0.382	0.384	1.00	0.586	pCi/L	07/28/25 08:19	08/20/25 15:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*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	**1.26**		0.564	0.576	1.00	0.752	pCi/L	07/28/25 08:25	08/20/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*
Y Carrier	*77.4*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*

Client Sample ID: FB-05
Lab Sample ID: 870-38412-3
Date Collected: 07/23/25 08:45
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	<0.250	U	0.500	0.250	mg/L			07/27/25 00:10	1
Fluoride	<0.100	U F1	0.500	0.100	mg/L			07/27/25 00:10	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/27/25 00:10	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 12:23	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/30/25 11:27	07/31/25 12:23	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/30/25 11:27	07/31/25 12:23	1

Client Sample ID: FB-05
Lab Sample ID: 870-38412-3

Date Collected: 07/23/25 08:45
Matrix: Water

Date Received: 07/24/25 09:07

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 12:23	1
Sodium	**0.180**	**J**	0.500	0.152	mg/L		07/30/25 11:27	07/31/25 12:23	1
Lithium	**0.0194**	**J**	0.0400	0.0174	mg/L		07/30/25 11:27	07/31/25 12:23	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 01:42	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 13:26	07/29/25 01:42	1
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/28/25 13:26	07/29/25 01:42	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/28/25 13:26	07/29/25 01:42	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 13:26	07/29/25 01:42	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 13:26	07/29/25 01:42	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 13:26	07/29/25 01:42	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/28/25 13:26	07/29/25 01:42	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/28/25 13:26	07/29/25 01:42	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 13:26	07/29/25 01:42	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/28/25 13:26	07/29/25 01:42	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 13:26	07/29/25 01:42	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 13:26	07/29/25 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		07/28/25 02:33	07/28/25 16:27	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			07/25/25 11:35	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)	**7.7**	**HF**			SU			07/29/25 14:07	1
Temperature (SM 4500 H+ B)	**22.8**	**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	**45.3**		22.1	22.5	50.0	28.0	pCi/L	07/30/25 14:17	08/20/25 03:52	1
Radium-228	-6.57	U G	36.3	36.3	50.0	60.7	pCi/L	07/30/25 14:17	08/20/25 03:52	1
Combined Radium 226 + 228	38.7	U	42.5	42.7		60.7	pCi/L	07/30/25 14:17	08/20/25 03:52	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	0.138	0.138	1.00	0.350	pCi/L	07/28/25 08:19	08/20/25 15:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*07/28/25 08:19*	*08/20/25 15:47*	*1*

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38412-1

Client Sample ID: FB-05

Date Collected: 07/23/25 08:45
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38412-3

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	0.00414	U	0.291	0.291	1.00	0.540	pCi/L	07/28/25 08:25	08/20/25 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*
Y Carrier	*85.6*		*30 - 110*	*07/28/25 08:25*	*08/20/25 11:57*	*1*

Tracer/Carrier Summary

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38412-1

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)
870-38412-1	F3	91.8
870-38412-2	F2	91.3
870-38412-3	FB-05	92.8
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)
870-38412-1	F3	91.8	81.1
870-38412-2	F2	91.3	77.4
870-38412-3	FB-05	92.8	85.6
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: 870-38412-3 MS
Matrix: Water
Analysis Batch: 251334

Client Sample ID: FB-05
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	10.67		mg/L		107	90 - 110		
Fluoride	<0.100	U F1	10.0	6.771	F1	mg/L		68	90 - 110		
Sulfate	<0.200	U	10.0	10.68		mg/L		107	90 - 110		

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 870-38412-3 MSD
Matrix: Water
Analysis Batch: 251334

Client Sample ID: FB-05
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	10.67		mg/L		107	90 - 110	0	15
Fluoride	<0.100	U F1	10.0	6.269	F1	mg/L		63	90 - 110	8	15
Sulfate	<0.200	U	10.0	10.64		mg/L		106	90 - 110	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-251535/1-A
Matrix: Water
Analysis Batch: 251819

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251535

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 13:28	07/29/25 12:22	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/28/25 13:28	07/29/25 12:22	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/28/25 13:28	07/29/25 12:22	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/28/25 13:28	07/29/25 12:22	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/28/25 13:28	07/29/25 12:22	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/28/25 13:28	07/29/25 12:22	1

Lab Sample ID: LCS 860-251535/2-A
Matrix: Water
Analysis Batch: 251819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251535

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	25.20		mg/L		101	80 - 120
Magnesium	25.0	25.10		mg/L		100	80 - 120
Potassium	10.0	10.20		mg/L		102	80 - 120
Sodium	25.0	25.70		mg/L		103	80 - 120
Lithium	1.00	0.9430		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-251535/3-A
Matrix: Water
Analysis Batch: 251819

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251535

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	25.30		mg/L		101	80 - 120	0	20
Magnesium	25.0	25.10		mg/L		100	80 - 120	0	20
Potassium	10.0	10.20		mg/L		102	80 - 120	0	20
Sodium	25.0	25.70		mg/L		103	80 - 120	0	20
Lithium	1.00	0.9440		mg/L		94	80 - 120	0	20

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

Method: 6010D - Metals (ICP) (Continued)

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
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
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

Method: 6010D - Metals (ICP) (Continued)

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
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 860-251999/1-A
Matrix: Water
Analysis Batch: 252091

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251999

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 10:13	07/30/25 15:43	1
Calcium	<0.102	U	0.200	0.102	mg/L		07/30/25 10:13	07/30/25 15:43	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		07/30/25 10:13	07/30/25 15:43	1
Potassium	<0.106	U	0.500	0.106	mg/L		07/30/25 10:13	07/30/25 15:43	1
Sodium	<0.152	U	0.500	0.152	mg/L		07/30/25 10:13	07/30/25 15:43	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		07/30/25 10:13	07/30/25 15:43	1

Lab Sample ID: LCS 860-251999/2-A
Matrix: Water
Analysis Batch: 252091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251999

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	24.30		mg/L		97	80 - 120
Magnesium	25.0	24.30		mg/L		97	80 - 120
Potassium	10.0	9.890		mg/L		99	80 - 120
Sodium	25.0	24.60		mg/L		98	80 - 120
Lithium	1.00	0.9950		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-251999/3-A
Matrix: Water
Analysis Batch: 252091

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251999

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	24.30		mg/L		97	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-251999/3-A
Matrix: Water
Analysis Batch: 252091

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251999

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium			25.0	24.20		mg/L		97	80 - 120	0	20
Potassium			10.0	9.910		mg/L		99	80 - 120	0	20
Sodium			25.0	24.50		mg/L		98	80 - 120	0	20
Lithium			1.00	0.9910		mg/L		99	80 - 120	0	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

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

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-251438/1-A
Matrix: Water
Analysis Batch: 251652

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251438

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 09:30	07/28/25 22:16	1
Antimony	<0.000750	U	0.00200	0.000750	mg/L		07/28/25 09:30	07/28/25 22:16	1

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

Lab Sample ID: MB 860-251438/1-A
Matrix: Water
Analysis Batch: 251652

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 251438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000690	U	0.00400	0.000690	mg/L		07/28/25 09:30	07/28/25 22:16	1
Barium	<0.00134	U	0.00400	0.00134	mg/L		07/28/25 09:30	07/28/25 22:16	1
Beryllium	<0.000271	U	0.00200	0.000271	mg/L		07/28/25 09:30	07/28/25 22:16	1
Cadmium	<0.000240	U	0.00200	0.000240	mg/L		07/28/25 09:30	07/28/25 22:16	1
Chromium	<0.000560	U	0.00400	0.000560	mg/L		07/28/25 09:30	07/28/25 22:16	1
Cobalt	<0.000355	U	0.00200	0.000355	mg/L		07/28/25 09:30	07/28/25 22:16	1
Iron	<0.00445	U	0.0200	0.00445	mg/L		07/28/25 09:30	07/28/25 22:16	1
Lead	<0.000367	U	0.00200	0.000367	mg/L		07/28/25 09:30	07/28/25 22:16	1
Molybdenum	<0.000255	U	0.00200	0.000255	mg/L		07/28/25 09:30	07/28/25 22:16	1
Selenium	<0.000590	U	0.00200	0.000590	mg/L		07/28/25 09:30	07/28/25 22:16	1
Thallium	<0.000415	U	0.00200	0.000415	mg/L		07/28/25 09:30	07/28/25 22:16	1

Lab Sample ID: LCS 860-251438/2-A
Matrix: Water
Analysis Batch: 251652

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 251438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4806		mg/L		96	80 - 120
Antimony	0.100	0.09648		mg/L		96	80 - 120
Arsenic	0.100	0.09851		mg/L		99	80 - 120
Barium	0.100	0.09734		mg/L		97	80 - 120
Beryllium	0.100	0.09709		mg/L		97	80 - 120
Cadmium	0.100	0.09854		mg/L		99	80 - 120
Chromium	0.100	0.09918		mg/L		99	80 - 120
Cobalt	0.100	0.09809		mg/L		98	80 - 120
Iron	0.500	0.4660		mg/L		93	80 - 120
Lead	0.100	0.09909		mg/L		99	80 - 120
Molybdenum	0.100	0.09740		mg/L		97	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 860-251438/3-A
Matrix: Water
Analysis Batch: 251652

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 251438

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	0.09699		mg/L		97	80 - 120	1	20
Arsenic	0.100	0.09787		mg/L		98	80 - 120	1	20
Barium	0.100	0.09743		mg/L		97	80 - 120	0	20
Beryllium	0.100	0.09828		mg/L		98	80 - 120	1	20
Cadmium	0.100	0.09857		mg/L		99	80 - 120	0	20
Chromium	0.100	0.09855		mg/L		99	80 - 120	1	20
Cobalt	0.100	0.09813		mg/L		98	80 - 120	0	20
Iron	0.500	0.4653		mg/L		93	80 - 120	0	20
Lead	0.100	0.1002		mg/L		100	80 - 120	1	20
Molybdenum	0.100	0.09732		mg/L		97	80 - 120	0	20
Selenium	0.100	0.1005		mg/L		101	80 - 120	0	20
Thallium	0.100	0.1033		mg/L		103	80 - 120	1	20

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

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
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

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
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

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: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 870-38412-1 MS
Matrix: Water
Analysis Batch: 251912

Client Sample ID: F3
Prep Type: Dissolved
Prep Batch: 251736

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000466	F1	0.00200	0.0008470	F1	mg/L		19	75 - 125

Lab Sample ID: 870-38412-1 MSD
Matrix: Water
Analysis Batch: 251912

Client Sample ID: F3
Prep Type: Dissolved
Prep Batch: 251736

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000466	F1	0.00200	0.0008450	F1	mg/L		19	75 - 125	0	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

Method: SM 2540C - Solids, Total Dissolved (TDS)

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

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

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: 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
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: 870-38412-1 DU
Matrix: Water
Analysis Batch: 732781

Client Sample ID: F3
Prep Type: Total/NA
Prep Batch: 729795

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	31.7			9.964	U G	9.93	50.0	58.2	pCi/L			0.78	1
Radium-228	16.1	U		10.51	U	26.0	50.0	49.6	pCi/L			0.12	1
Combined Radium 226 + 228	47.8			20.47	U	27.8		58.2	pCi/L			0.50	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*

Method: 903.0 - Radium-226 (GFPC) (Continued)

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
870-38412-1	F3	Total/NA	Water	9056A	
870-38412-2	F2	Total/NA	Water	9056A	
870-38412-3	FB-05	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	
870-38412-3 MS	FB-05	Total/NA	Water	9056A	
870-38412-3 MSD	FB-05	Total/NA	Water	9056A	

Metals

Prep Batch: 251371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	7470A	
870-38412-2	F2	Total/NA	Water	7470A	
870-38412-3	FB-05	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: 251438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	3010A	
870-38412-2	F2	Total/NA	Water	3010A	
MB 860-251438/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-251438/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-251438/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 251534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-3	FB-05	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	

Prep Batch: 251535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	3010A	
MB 860-251535/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-251535/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-251535/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 251627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	7470A	251371
870-38412-2	F2	Total/NA	Water	7470A	251371
870-38412-3	FB-05	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

Metals (Continued)

Analysis Batch: 251627 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-251371/12-A	Lab Control Sample Dup	Total/NA	Water	7470A	251371

Analysis Batch: 251652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	6020B	251438
870-38412-2	F2	Total/NA	Water	6020B	251438
MB 860-251438/1-A	Method Blank	Total/NA	Water	6020B	251438
LCS 860-251438/2-A	Lab Control Sample	Total/NA	Water	6020B	251438
LCSD 860-251438/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	251438

Prep Batch: 251736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Dissolved	Water	7470A	
870-38412-2	F2	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	
870-38412-1 MS	F3	Dissolved	Water	7470A	
870-38412-1 MSD	F3	Dissolved	Water	7470A	

Prep Batch: 251745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Dissolved	Water	3010A	
870-38412-2	F2	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: 251819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	6010D	251535
870-38412-1	F3	Total/NA	Water	6010D	251535
MB 860-251535/1-A	Method Blank	Total/NA	Water	6010D	251535
LCS 860-251535/2-A	Lab Control Sample	Total/NA	Water	6010D	251535
LCSD 860-251535/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	251535

Analysis Batch: 251848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-3	FB-05	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

Analysis Batch: 251912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Dissolved	Water	7470A	251736
870-38412-2	F2	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
870-38412-1 MS	F3	Dissolved	Water	7470A	251736

Metals (Continued)

Analysis Batch: 251912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1 MSD	F3	Dissolved	Water	7470A	251736

Analysis Batch: 251920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	6020B	251438
870-38412-2	F2	Total/NA	Water	6020B	251438

Prep Batch: 251999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-2	F2	Total/NA	Water	3010A	
MB 860-251999/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-251999/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-251999/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 252036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-3	FB-05	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	

Analysis Batch: 252056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Dissolved	Water	6010D	251745
870-38412-1	F3	Dissolved	Water	6010D	251745
870-38412-2	F2	Dissolved	Water	6010D	251745
870-38412-2	F2	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: 252091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-2	F2	Total/NA	Water	6010D	251999
870-38412-2	F2	Total/NA	Water	6010D	251999
MB 860-251999/1-A	Method Blank	Total/NA	Water	6010D	251999
LCS 860-251999/2-A	Lab Control Sample	Total/NA	Water	6010D	251999
LCSD 860-251999/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	251999

Analysis Batch: 252484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-3	FB-05	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

General Chemistry

Analysis Batch: 30464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	SM 4500 H+ B	

General Chemistry (Continued)

Analysis Batch: 30464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-2	F2	Total/NA	Water	SM 4500 H+ B	
870-38412-3	FB-05	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 30473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	SM 2540C	
870-38412-2	F2	Total/NA	Water	SM 2540C	
870-38412-3	FB-05	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
870-38412-1	F3	Total/NA	Water	SM 2320B	
870-38412-2	F2	Total/NA	Water	SM 2320B	
870-38412-3	FB-05	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	

Rad

Prep Batch: 729209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-38412-1	F3	Total/NA	Water	PrecSep-21	
870-38412-2	F2	Total/NA	Water	PrecSep-21	
870-38412-3	FB-05	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
870-38412-1	F3	Total/NA	Water	PrecSep_0	
870-38412-2	F2	Total/NA	Water	PrecSep_0	
870-38412-3	FB-05	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
870-38412-1	F3	Total/NA	Water	Fill_Geo-21	
870-38412-2	F2	Total/NA	Water	Fill_Geo-21	
870-38412-3	FB-05	Total/NA	Water	Fill_Geo-21	
MB 160-729795/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-729795/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	
870-38412-1 DU	F3	Total/NA	Water	Fill_Geo-21	

Lab Chronicle

Client: HDR Inc
Project/Site: Appendix III/IV

Job ID: 870-38412-1

Client Sample ID: F3

Date Collected: 07/23/25 07:40
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38412-1

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			251334	07/26/25 23:44	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 12:11	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 12:19	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251535	07/28/25 13:28	MD	EET HOU
Total/NA	Analysis	6010D		1			251819	07/29/25 14:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251535	07/28/25 13:28	MD	EET HOU
Total/NA	Analysis	6010D		50			251819	07/29/25 14:24	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251438	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			251652	07/28/25 23:24	SHZ	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251438	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		50			251920	07/29/25 18:34	SHZ	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 18:00	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 16:22	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 11:02	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 02:37	CAH	EET SL
Total/NA	Prep	PrecSep-21			505.52 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			505.52 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: F2

Date Collected: 07/23/25 08:20
Date Received: 07/24/25 09:07

Lab Sample ID: 870-38412-2

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			251334	07/26/25 23:57	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 12:13	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 12:21	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251999	07/30/25 10:13	MD	EET HOU
Total/NA	Analysis	6010D		1			252091	07/30/25 16:05	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251999	07/30/25 10:13	MD	EET HOU
Total/NA	Analysis	6010D		50			252091	07/30/25 16:11	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	251438	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			251652	07/28/25 23:27	SHZ	EET HOU

Client Sample ID: F2
Lab Sample ID: 870-38412-2

Date Collected: 07/23/25 08:20
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	251438	07/28/25 09:30	MD	EET HOU
Total/NA	Analysis	6020B		1			251920	07/29/25 18:30	SHZ	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 18:07	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 16:23	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 11:17	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			732781	08/20/25 03:52	MLS	EET SL
Total/NA	Prep	PrecSep-21			751.38 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			751.38 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: FB-05
Lab Sample ID: 870-38412-3

Date Collected: 07/23/25 08:45
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		1			251334	07/27/25 00:10	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 12:23	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 01:42	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 16:27	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			251147	07/25/25 11:35	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	729795	07/30/25 14:17	SAC	EET SL
Total/NA	Analysis	901.1		1			732783	08/20/25 03:52	MLS	EET SL
Total/NA	Prep	PrecSep-21			1006.38 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			1006.38 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

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: 870-38412-1
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: 870-38412-1

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: 870-38412-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
870-38412-1	F3	Water	07/23/25 07:40	07/24/25 09:07	Texas
870-38412-2	F2	Water	07/23/25 08:20	07/24/25 09:07	Texas
870-38412-3	FB-05	Water	07/23/25 08:45	07/24/25 09:07	Texas

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone (214) 902-0300

Chain of Custody Record

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8/28/2025

Client Information	Sampler: WRC / PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-13622-4449.2
Client Contact: Emma Foley	Phone:	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page 2 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: 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 Mn	6010D, 7470A Dissolved Mn	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						
F3	7/23/25	0740	G	Water			X	X	X	X	X	X	X	X	X					8	
F2	7/23/25	0820	G	Water			X	X	X	X	X	X	X	X	X					8	
FB-05	7/23/25	0845	G	Water			X	X	X	X	X	X		X	X					7	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

870-38412 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: 8830 0354 1295

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
WRC	7/23/25 1400		FedEx		
FedEx				7/24/25 907	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.0/2.1 THM-027 +0.1

Ver: 05/06/2024

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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: 870-8818.1
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 #: 870-38412-1
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:								
F3 (870-38412-1)	7/23/25	07:40 Central	G	Water			X	X	X	2	
F2 (870-38412-2)	7/23/25	08:20 Central	G	Water			X	X	X	2	
FB-05 (870-38412-3)	7/23/25	08:45 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: FEDEX

Relinquished by:	Date/Time: 7/24/25 - 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: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

8/28/2025

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 #: 870-38412-1
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:												
F3 (870-38412-1)	7/23/25	07:40 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
F2 (870-38412-2)	7/23/25	08:20 Central	G	Water			X	X	X	X	X	X	X	4	Field filtered dissolved metals, Field Filtered Dissolved Hg
FB-05 (870-38412-3)	7/23/25	08:45 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
1		07/24/25 1200				
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: 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: 870-38412-1

Login Number: 38412
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: 870-38412-1

Login Number: 38412
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 07/25/25 07:21 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: 870-38412-1

Login Number: 38412
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 07/25/25 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	

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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.

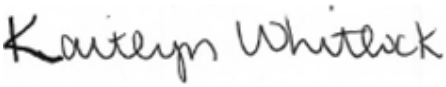
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Job Notes

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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9/30/2025 1:54:49 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: 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 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	

Lab Chronicle

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

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

Date Collected: 08/25/25 10:30
Date Received: 08/27/25 09:59

Lab Sample ID: 870-39387-2

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			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

Lab Chronicle

Client: HDR Inc
Project/Site: GCSES

Job ID: 870-39387-1

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

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: 8837 5652 5707, 8837 5652 5729,

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: 8837 5652 5692, 8837 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

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9015.2
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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ANALYTICAL REPORT

PREPARED FOR

Attn: Courtney Stewart
HDR Inc
17111 Preston Road
Suite 200
Dallas, Texas 75248-1232

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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.

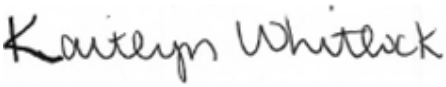
my EOL

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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10/13/2025 4:04:03 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: 870-39427-1
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 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

Client: HDR Inc
Job ID: 870-39427-1
Project/Site: Gibbons Creek Steam Electric Station

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	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
Lab Sample ID: 870-39427-9
Date Collected: 08/26/25 14:20
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		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: WRCulla	Date/Time: 08/27/25 1400	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 8/28/25 10:15	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: .6, 1.3, 1.2, 1.9, 1, 1.7 -0.3 0412

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: 870-9024.1
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	

eurofins | Environment Testing

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

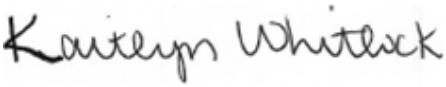
Eurofins Dallas

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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10/15/2025 2:39:29 PM

Authorized for release by
Kaitlyn Whitlock, Project Manager
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(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: HDR Inc
Job ID: 870-39461-1
Project/Site: Gibbons Creek Steam Electric Station

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 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)
		Ba
Lab Sample ID	Client Sample ID	(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)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(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

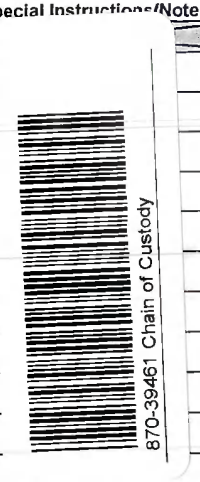
Client Information	Sampler: WRC / PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14120-4663.1
Client Contact: Courtney Stewart	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 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													



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, 5797, 5784, 5773

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
WRCulla	08/28/25 1400		FedEx		
Relinquished by: FedEx	Date/Time: 8/29/25 10:30	Company	Received by:	Date/Time: 8/29/25 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: THM042 CF -0.3 0.4/0.1, 1.2/0.9, 3.8/3.5, 3.6/3.3, 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	0925	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: 883756525800, 5762, 5762, 5784, 5773	
Relinquished by: WRCuller	Date/Time: 08/28/25 1430	Company	Received by: FedEx	Date/Time:	Company	
Relinquished by: FedEx	Date/Time: 8/29/25 10:30	Company	Received by:	Date/Time: 8/29/25 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: 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	

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

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.

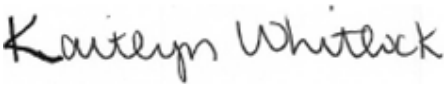
my EOL

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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10/13/2025 5:55:14 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: 870-39527-1
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 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)
Lab Sample ID	Client Sample ID	Ba (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)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (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

eurofins | Environment Testing

10/13/2025

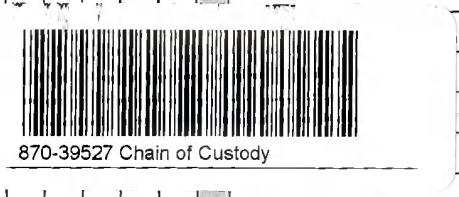
Client Information	Sampler: WRC/PWC	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s):	COC No: 870-14120-4663.1
Client Contact: Courtney Stewart	Phone: 979-485-2879	E-Mail: Kaitlyn.Whitlock@et.eurofinsus.com	State of Origin:	Page: Page
Company: HDR Inc	PWSID:			Job #:
Address: 17111 Preston Road Suite 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 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													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													



Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ 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	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	

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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.

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

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: 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

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 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

Lab Chronicle

Client: HDR Inc
Job ID: 870-40847-1
Project/Site: Gibbons Creek Steam Electric Station

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:
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	SM4600_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: Therm #2 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

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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: 870-9330.2
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

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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	

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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.

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

Generated
12/2/2025 4:52:41 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: 870-40869-1
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 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 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
1	W.R. Culler	10/16/25 1500		FedEx		
2	FedEx				10/17/25 10:23	
3						

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 TH042 cf -0.2

Ver: 06/08/2021

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: 870-9333.1
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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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.

my EOL

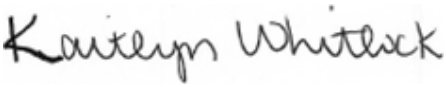
Eurofins Dallas

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



Generated
12/10/2025 5:45:59 PM

Authorized for release by
Kaitlyn Whitlock, Project Manager
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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 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 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: HDR Inc
Job ID: 870-40769-1
Project/Site: Gibbons Creek Steam Electric Station

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

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, 1.4, 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

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitlock, Kaitlyn N	Carrier Tracking No(s): N/A	COC No: 870-9311.1
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.

my EOL

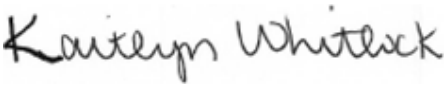
Eurofins Dallas

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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12/22/2025 1:41:15 PM
Revision 1

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.
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
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
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
Matrix: Water
Analysis Batch: 271022

Client Sample ID: Method Blank
Prep Type: Total/NA
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
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
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
Lab Sample ID: 870-40830-3
Date Collected: 10/14/25 08:30
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 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
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	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

Lab Chronicle

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

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

Lab Chronicle

Client: HDR Inc
Job ID: 870-40830-1
Project/Site: Gibbons Creek Steam Electric Station

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: W.R. CULLEN	Date/Time: 10/15/25 1500	Company	Received by: FedEx	Date/Time:	Company
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

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

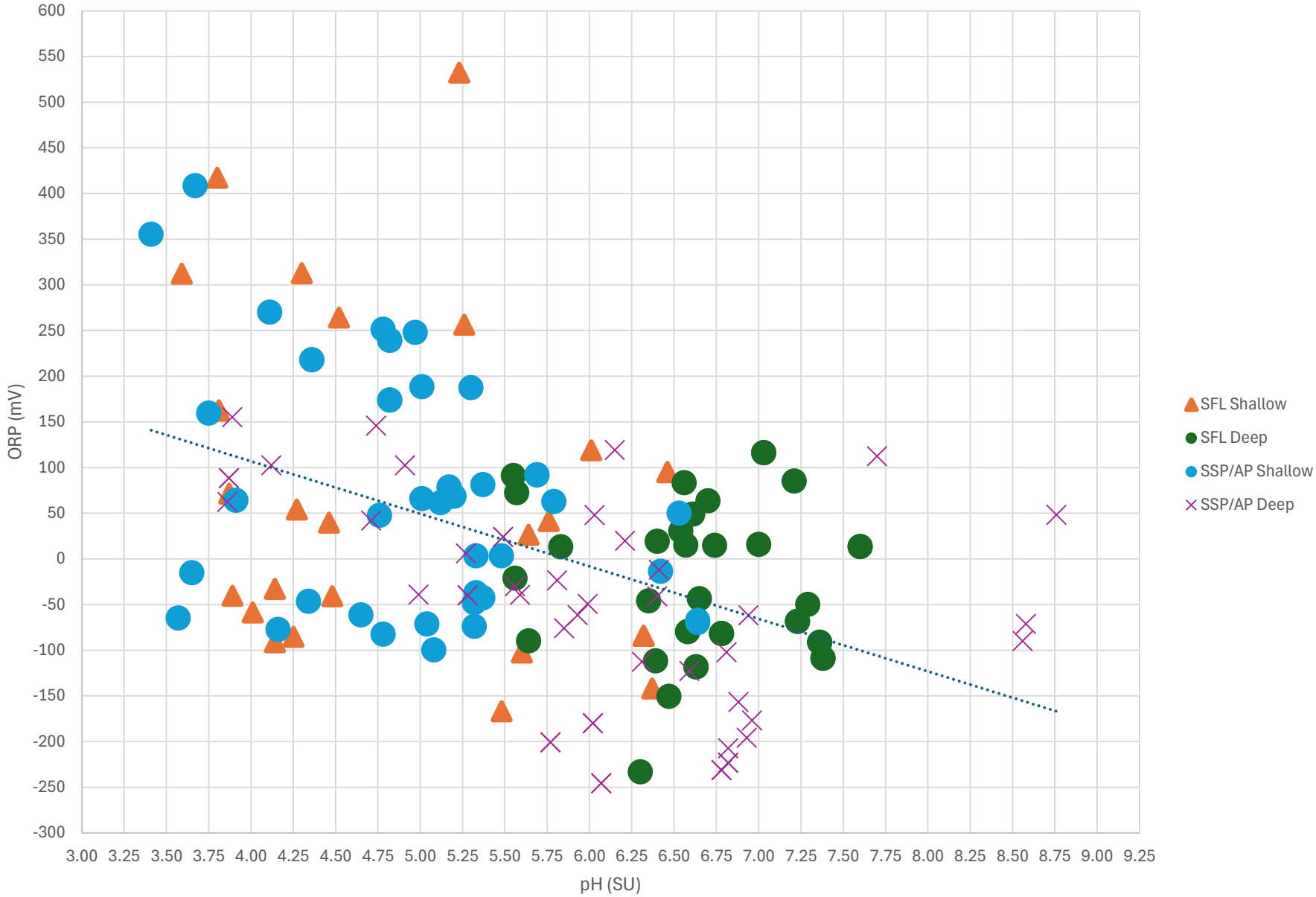
List Source: Eurofins St. Louis
List Creation: 10/20/25 11:38 AM

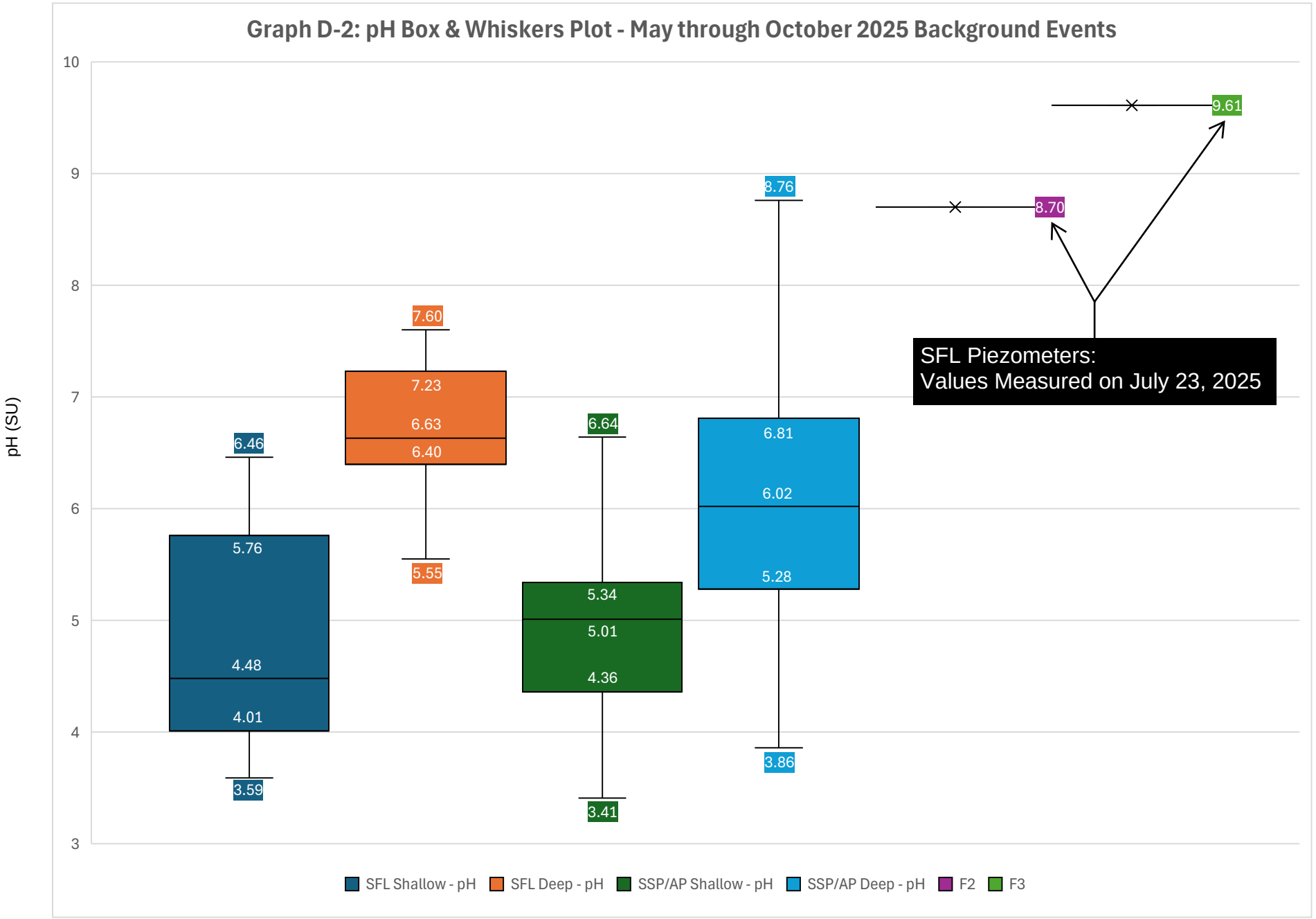
Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
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	

Appendix D

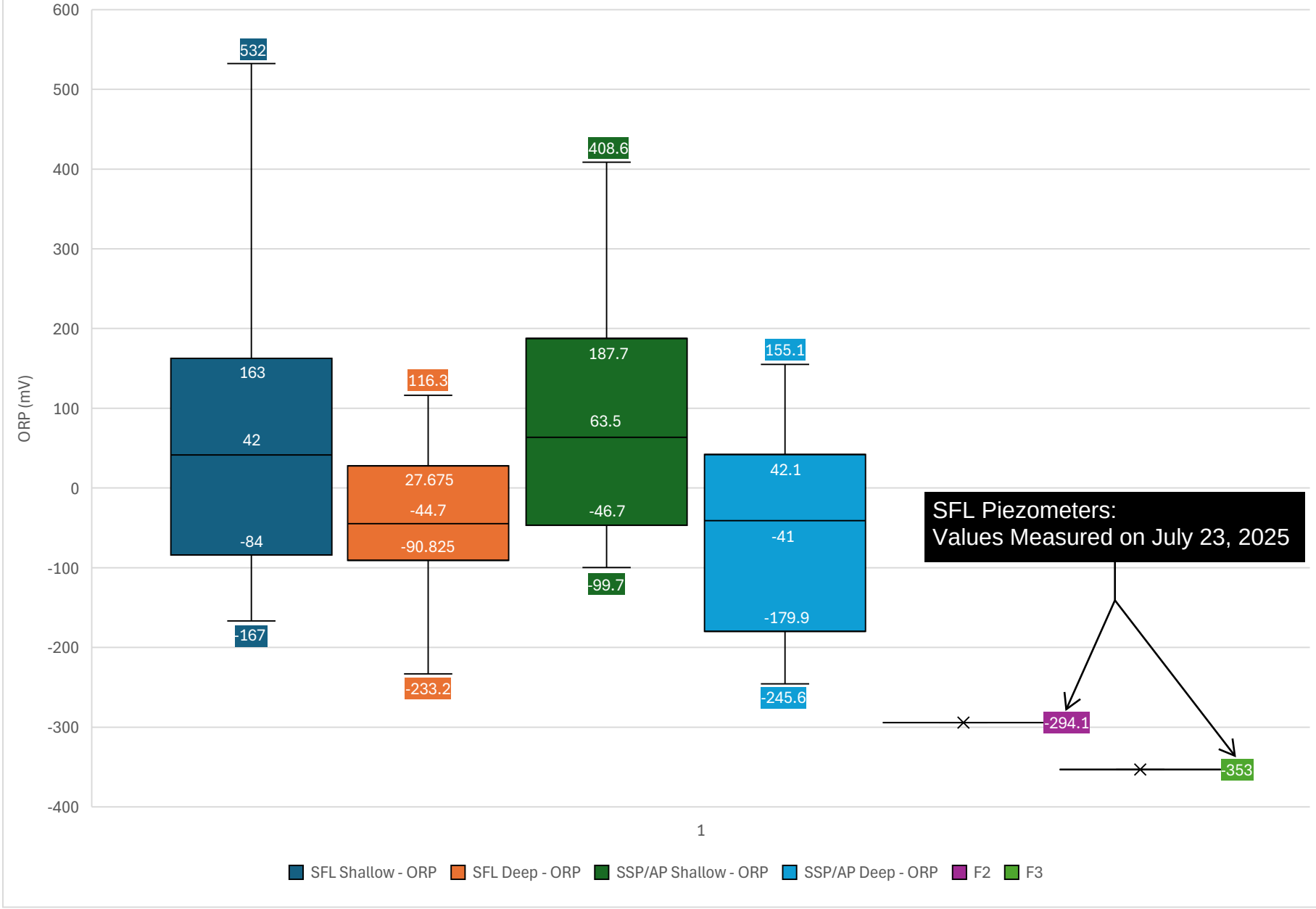
Analytical Data Graphs

Graph D-1: Groundwater Sample pH vs. ORP - May through October 2025 Background Events




Graph D-2: pH Box & Whiskers Plot - May through October 2025 Background Events
pH (SU)
10
9
8
7
6
5
4
3
6.46
5.76
4.48
4.01
3.59
7.60
7.23
6.63
6.40
5.55
6.64
5.34
5.01
4.36
3.41
8.76
6.81
6.02
5.28
3.86
8.70
9.61
SFL Piezometers:
Values Measured on July 23, 2025
SFL Shallow - pH
SFL Deep - pH
SSP/AP Shallow - pH
SSP/AP Deep - pH
F2
F3

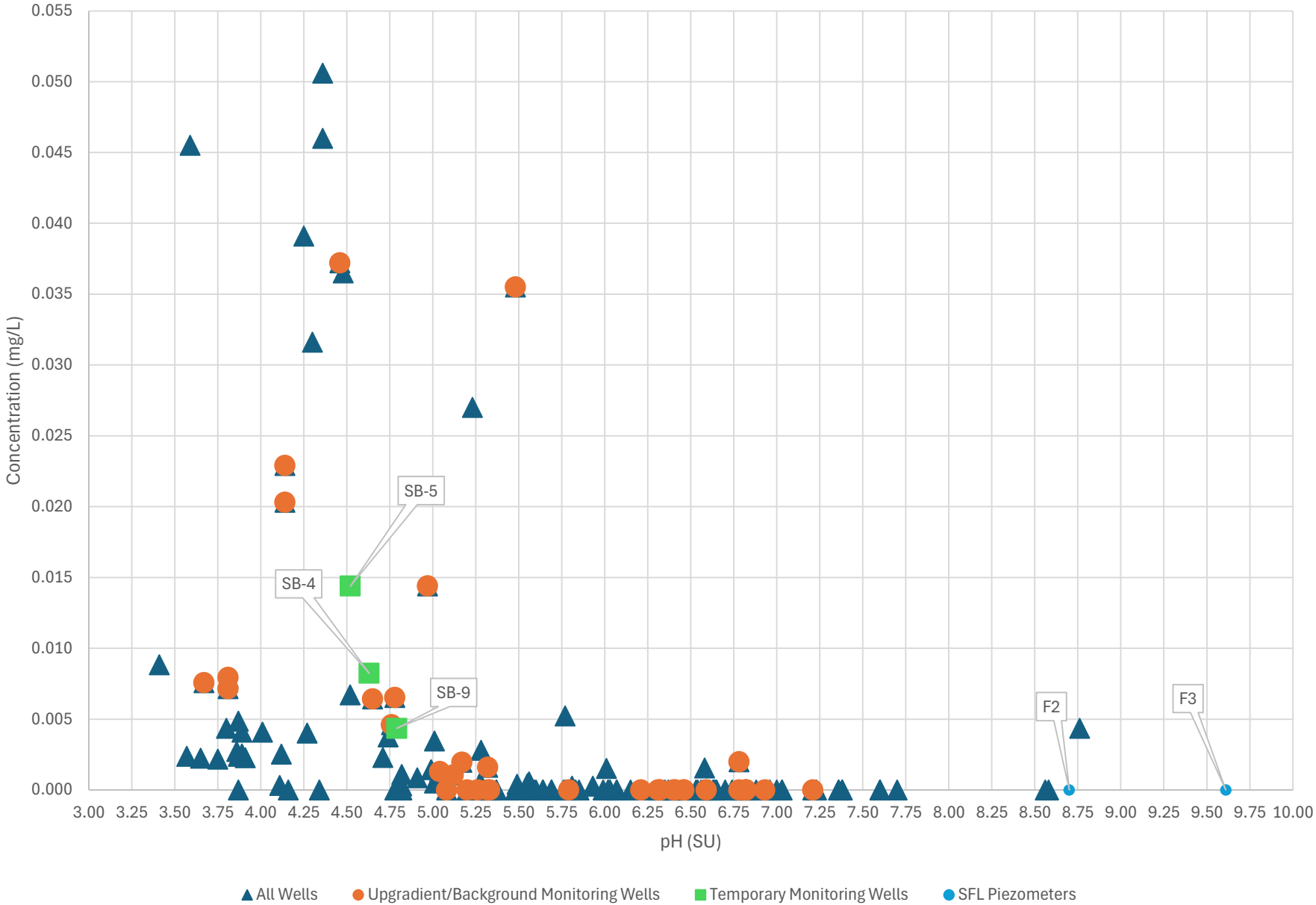
Graph D-3: ORP Box & Whiskers Plot - May through October 2025 Background Events



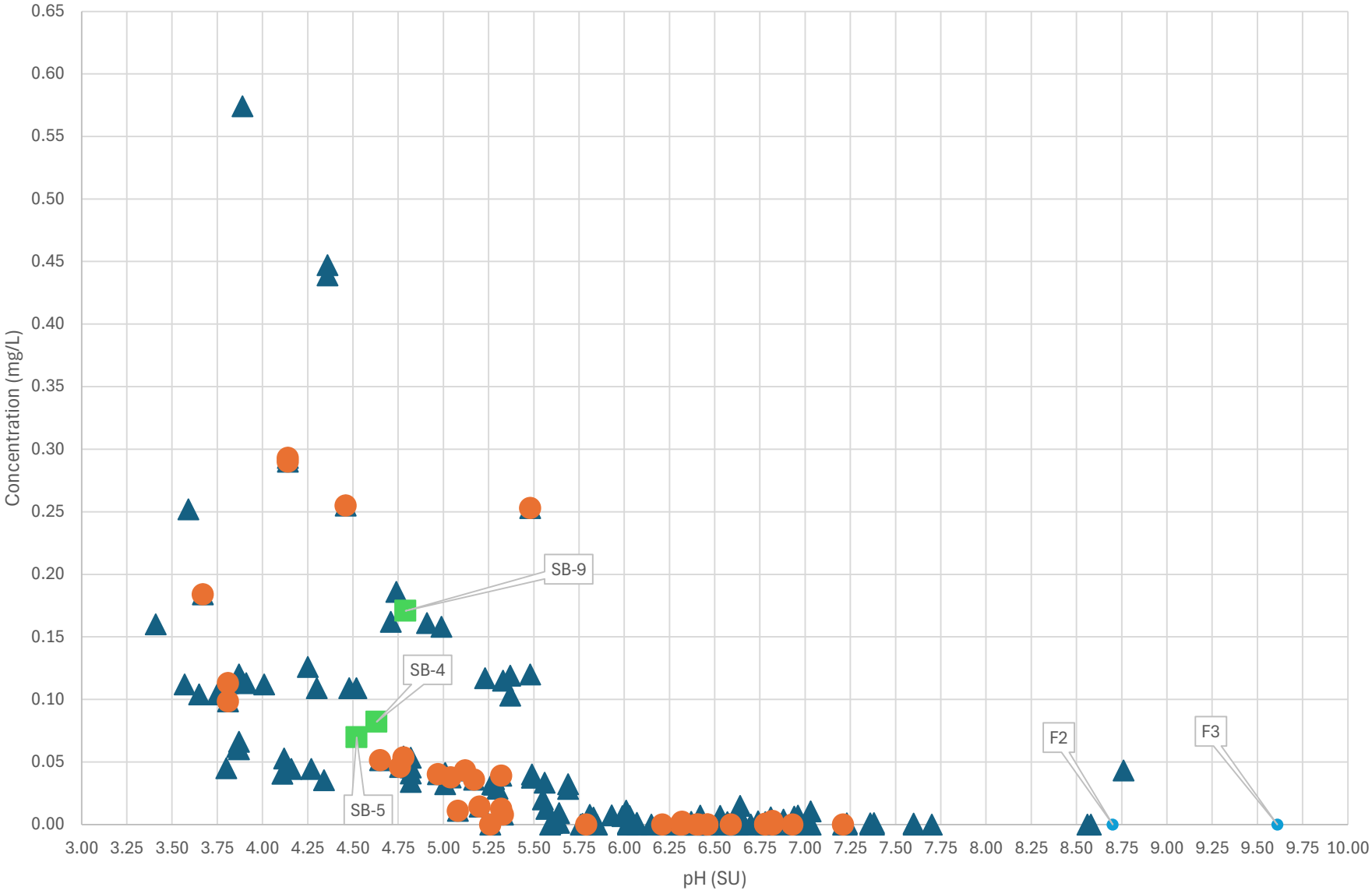
Graph D-4: Beryllium - May through October 2025 Background Events

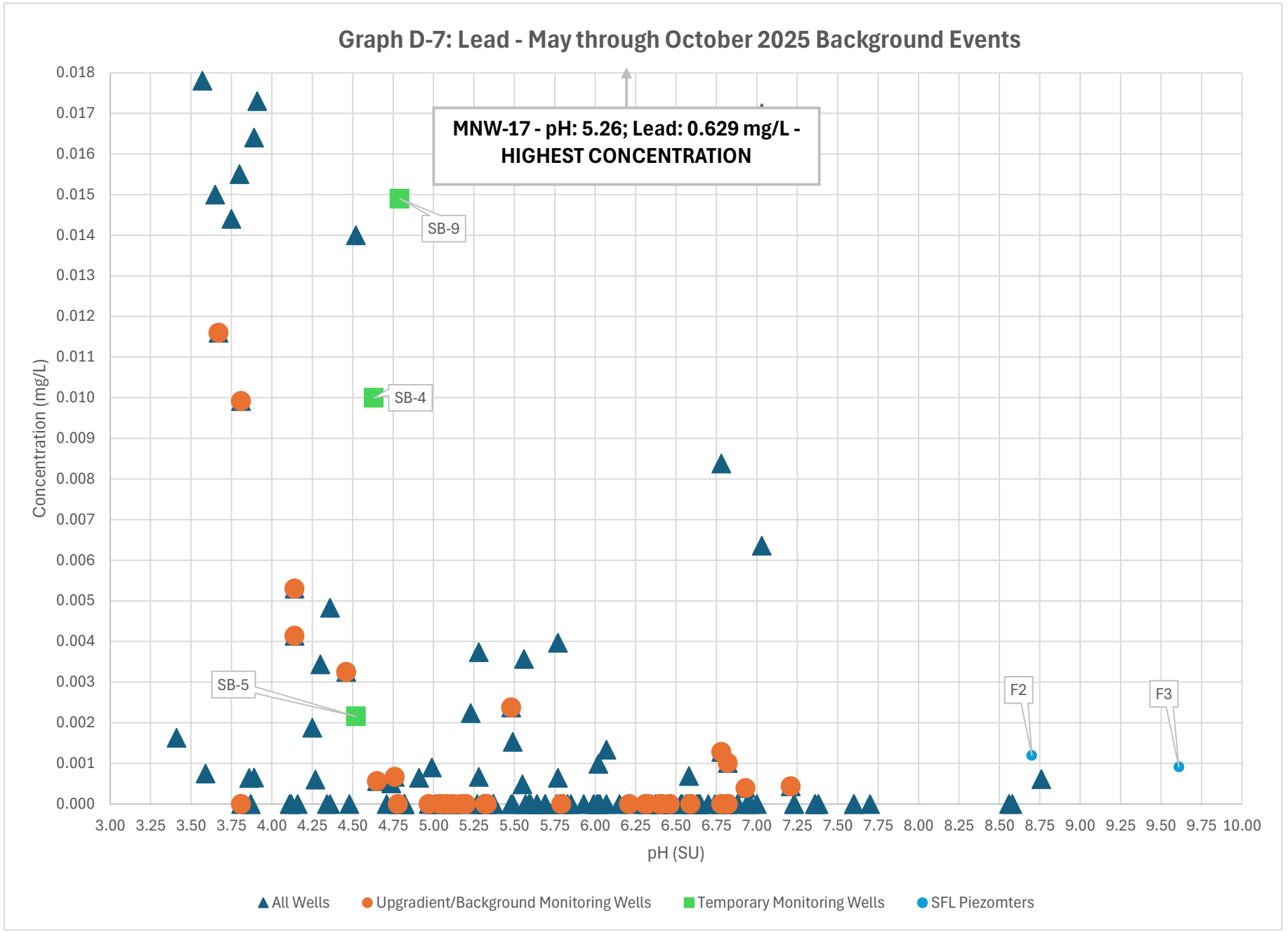


Graph D-5: Cadmium - May through October 2025 Background Events

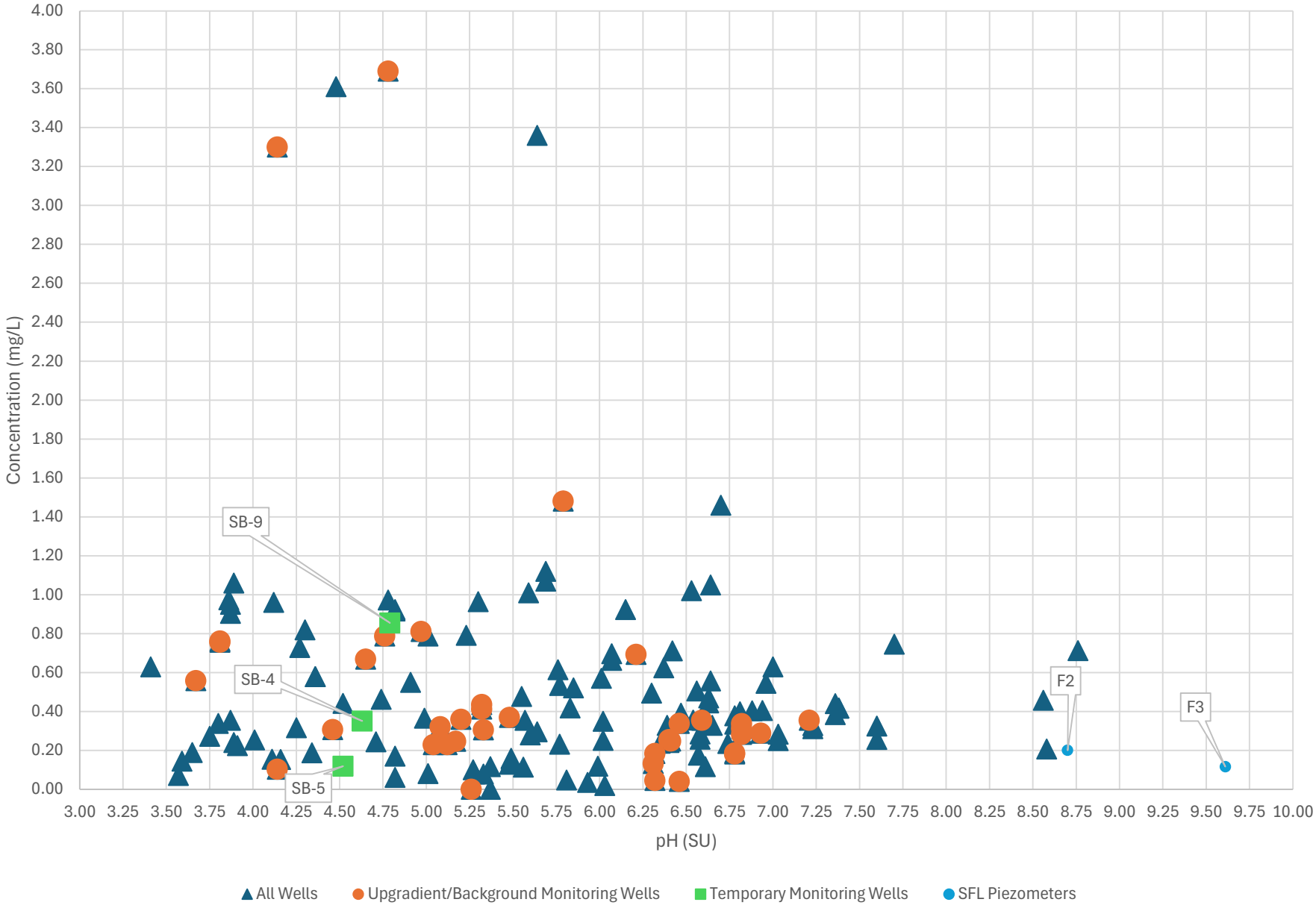


Graph D-6: Cobalt - May through October 2025 Background Events

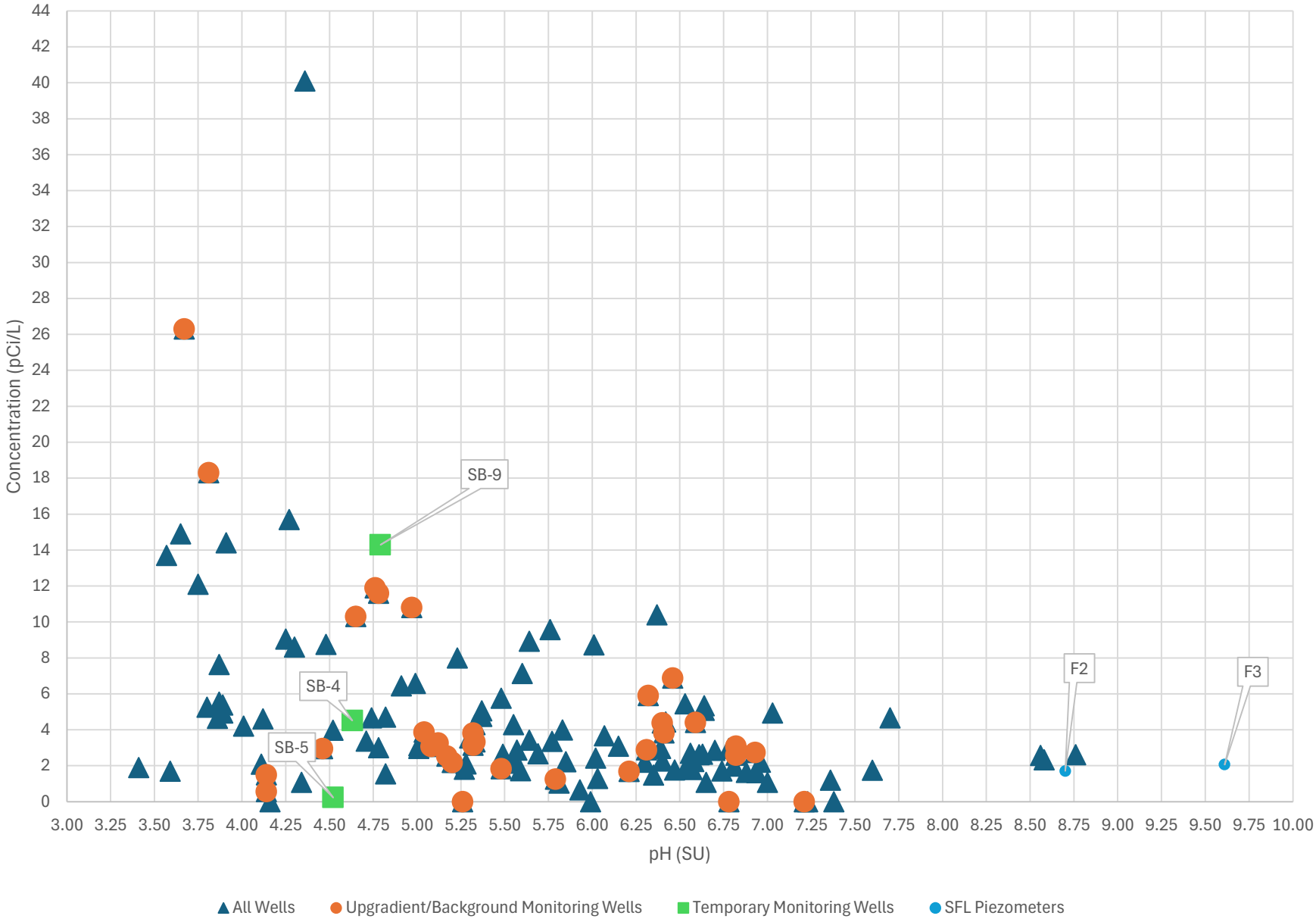



Graph D-7: Lead - May through October 2025 Background Events
MNW-17 - pH: 5.26; Lead: 0.629 mg/L - HIGHEST CONCENTRATION
SB-9
SB-4
SB-5
F2
F3
Concentration (mg/L)
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.010
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
3.00 3.25 3.50 3.75 4.00 4.25 4.50 4.75 5.00 5.25 5.50 5.75 6.00 6.25 6.50 6.75 7.00 7.25 7.50 7.75 8.00 8.25 8.50 8.75 9.00 9.25 9.50 9.75 10.00
pH (SU)
All Wells
Upgradient/Background Monitoring Wells
Temporary Monitoring Wells
SFL Piezomters

Graph D-8: Lithium - May through October 2025 Background Events



Graph D-9: Radium 226 + 228 - May through October 2025 Background Events



Graph D-10: Thallium - May through October 2025 Background Events

