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SKB Environmental, Inc.

2025 Coal Combustion Residuals Annual Monitoring Report

SKB Rosemount Industrial Waste Facility
13425 Courthouse Boulevard
Rosemount, Minnesota
Permit SW-383

January 29, 2026





2025 Coal Combustion Residuals Annual Monitoring Report

SKB Rosemount Industrial Waste Facility
13425 Courthouse Boulevard
Rosemount, Minnesota
Permit SW-383

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature: A handwritten signature in black ink, reading 'Kevin Michael Lienau'.

Typed or Printed Name: Kevin Michael Lienau

Date: 01/30/2026 License Number: 25086

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Acronyms

BTV	Background Threshold Values
CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
COC	Chemicals of Concern
GES	Groundwater & Environmental Services, Inc.
GPS	Groundwater Protection Standards
EPA	Environmental Protection Agency
Eurofins TA	Eurofins Test America, Inc.
MCLs	Maximum Contaminant Levels
mg/L	milligrams per liter
MDH	Minnesota Department of Health
MPCA	Minnesota Pollution Control Agency
NGVD	National Geodetic Vertical Datum
ORP	Oxidation-Reduction Potential
pCi/L	picocuries per liter
QA/QC	Quality assurance/quality control
Report	Coal Combustion Residuals Annual Monitoring Report
SKB Rosemount Landfill	SKB Rosemount Industrial Waste Facility
SSI	Statistically Significant Increase
TDS	Total Dissolved Solids
UPL	Upper Prediction Limit
USL	Upper Simultaneous Limit

1 Introduction

The *2025 Combustion Coal Residuals Annual Monitoring Report* (Report) was prepared to summarize the results of 2025 groundwater monitoring events and associated analysis for Appendix III (detection monitoring) and Appendix IV (assessment monitoring), per 40 Code of Federal Regulations (CFR) §§ 257.90 – 257.98, at the SKB Rosemount Industrial Waste Facility (SKB Rosemount Landfill). The SKB Landfill operates under Minnesota Pollution Control Agency (MPCA) Site Permit Number SW-383. The SKB Rosemount Landfill is located at 13425 Courthouse Boulevard, Rosemount, and Dakota County, Minnesota (**Figure 1**).

Two groundwater sampling events were conducted at the SKB Rosemount Landfill in the winter and fall of 2025. Groundwater samples were analyzed for parameters included in Appendix III (detection monitoring) and Appendix IV (assessment monitoring). Analytical results from the groundwater monitoring events were compared and evaluated to Background Threshold Values (BTVs) and Groundwater Protection Standards (GPS) established for the SKB Rosemount Landfill.

1.1 Scope of Work

The following scope of work was conducted for the 2025 Coal Combustion Residuals (CCR) groundwater monitoring events:

- Conduct two gauging and sampling events of the site's monitoring wells.
- Measure static water elevations for each monitoring well to the nearest 0.01 feet from surveyed reference point.
- Record the volume of water removed from each monitoring well (in gallons) and total well volumes removed before sampling.
- Record field parameter stabilization results from each monitoring well.
- Conduct a statistical evaluation of groundwater sampling analytical data using ProUCL 5.0.00 (Singh, 2013) to determine BTVs for each analyte.
- Select tolerance or prediction interval procedure for future statistical analysis of groundwater monitoring data.
- Prepare a CCR Annual Monitoring Report summarizing the groundwater sampling and statistical evaluation.

2 Site Background

2.1 Site Location and Description

SKB Rosemount Landfill is an industrial waste containment facility with separate waste stream disposal areas. Active filling occurs through landfill in: Cell 4, which is a Municipal Solid Waste Incinerator Ash cell; Cell 5 which is a construction and demolition debris disposal cell; and, in Cells 1,2,3,4, and 6 where industrial waste is placed (Cell 6 is allowed to co-mingle both industrial solid waste and construction and demolition debris). The facility also consists of the 3M Cell which



accepted waste only from 3M operations and manufacturing. The 3M Cell has since been closed, and a closure report is on-file at the MPCA.

The site is located within a 236-acre parcel of land in Sections 19, 20, and 29, Township 115 North, Range 18 West, Rosemount, Dakota County, Minnesota (**Figure 1**). With reference to roadways, the facility is located between State Highway 55 and Ehlers Path East. The facility entrance is off State Highway 55.

Located in the Vermillion River watershed, the historical property prior to development, consist of rolling topography ranging in elevation from 820 feet above the National Geodetic Vertical Datum of 1929 (NGVD 29) in the southwest corner to 907 feet above NGVD 29 near the middle of the site. The site has since been altered, with the low point 800 feet above NGVD in the bottom of Cell 3A and Cell 3B to approximately 1,010 feet above NGVD at the top of Cells 3A/3D. A seasonal pond is located on the southwest corner of the property. Storm water flows either to natural depressions scattered about the site or to storm water retention areas in the southwest and north-central parts of the property. Storm water collected in these areas infiltrates into the soil. The nearest open water body is the Mississippi River located approximately one-mile northeast of the site.

3 Monitoring Network Systems and Sampling Schedule

The CCR sampling groundwater monitoring network at the SKB Rosemount Landfill was designed based on the local and regional hydrologic conditions. Formerly, the system consisted of 28 monitoring wells. After receiving MPCA approval, seven monitoring wells were abandoned in April 2021 in accordance with Minnesota Department of Health (MDH) regulations. The monitoring well abandonments were in association with the SKB Rosemount Landfill Cell 6 expansion. Therefore, the current groundwater monitoring network system comprises 21 monitoring wells (**Figure 2**).

The monitoring wells used as data collection points have been divided into five groups for the purpose of this report:

- Shallow Upgradient Monitoring Points (designated U#S): The shallow upgradient monitoring points consist of monitoring wells completed in the shallow water table aquifer south (upgradient) of the compliance boundary.
- Deep Upgradient Monitoring Points (designated U#D): The deep upgradient monitoring points consist of monitoring wells completed in the Outwash/Prairie du Chien aquifer south (upgradient) of the compliance boundary.
- Shallow Downgradient Monitoring Points (designated D#S): The shallow downgradient monitoring points consist of monitoring wells completed in the shallow water table aquifer along the north (downgradient) compliance boundary.
- Deep Downgradient Monitoring Points (designated D#D): The deep downgradient monitoring points consist of monitoring wells completed in the Outwash/Prairie du Chien aquifer north (downgradient) of the compliance boundary.
- Cell Wells (designated CW#): The cell wells are monitoring wells completed in the shallow aquifer immediately downgradient of the cell sumps.

For the CCR evaluation, two groundwater monitoring events were conducted in 2025 on the following dates:

- February 25 - 27, 2025
- October 15 - 17, 2025

4 Groundwater Sample Methodology

During the SKB Rosemount Landfill CCR sampling events, static groundwater elevations were measured to the nearest 0.01 feet in each monitoring well with a water interface probe prior to groundwater sample collection. Using location-dedicated, pneumatic low-flow bladder pump, each well was purged and field stabilization parameters including Temperature, pH, Specific Conductance, Turbidity, Dissolved Oxygen, and Oxidation-Reduction Potential (ORP) were recorded.

Groundwater samples were placed in laboratory-prepared containers and labeled with the following information:

- Unique sample number
- Site name
- Name of sampler
- Time and date

Immediately following collection, samples were placed on ice in a field cooler and shipped with a chain of custody form to a Eurofins Test America (Eurofins TA) of Cedar Falls, Iowa.

Groundwater samples were collected from 16 monitoring wells during the two sampling events in 2025. Groundwater monitoring well D-7 was dry during both events. Remaining wells (CW4-1, D-6, D-1VD, and DV-2D) are gauge only. Groundwater samples were analyzed for parameters specified in Appendix III (winter and fall events) and Appendix IV (winter analytes detected in previous fall event) and fall (full analyte list) events) per 40 CFR §§ 257.93 – 257.95 and are noted below:

Appendix III

General Chemistry

- Chloride (Method 9056A)
- Fluoride (Method 9056A)
- Sulfate as SO₄ (Method 9056A)
- pH (Method 4500 H+ B)
- Total Dissolved Solids (TDS) (Method 2540C)

Metals (Total)

- Boron
- Calcium

Appendix IV

Metals (Total)

- Antimony
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Lead
- Lithium
- Mercury
- Molybdenum
- Radium 226
- Radium 228
- Selenium
- Thallium

General Chemistry

- Fluoride (Method 9056A)

The above metals were analyzed by Methods 6020B, and 7470A. Radium was analyzed by Methods 9315 and 9320.

Quality assurance/quality control (QA/QC) samples including duplicate, field, and equipment samples were collected during each sampling event.

5 Groundwater Monitoring Results

5.1 Groundwater Elevation Data

Groundwater elevations recorded during the monitoring events are presented in **Table 1**. Groundwater contours maps were generated for the February 25 and October 15, 2025 gauging events. Groundwater elevation contour maps for both the water table and the deeper monitoring zone are presented in **Figures 3** through **6**. The groundwater flow is to the northeast across the facility. The groundwater flow direction is consistent with historically recorded flow directions.

5.2 Groundwater Analytical Data

Groundwater analytical results for the CCR monitoring events are presented in **Tables 2** and **3**. QA/QC duplicate samples were collected for precision evaluation but were not included in the tables. A summary of the stabilization parameter tests performed for each well prior to sampling are provided in **Table 4** and copies of field sampling data sheets are in **Appendix A**. Laboratory analytical reports are included in **Appendix B**.

The calculated BTVs for the SKB Rosemount Landfill are provided in **Table 5**. Comparing the 2025 sampling results to the BTVs (**Tables 2 and 3**) is summarized below.

Appendix III Analytes - Result Summary of BTV Exceedances

Calcium (BTV = 150.3 milligrams per liter (mg/L))

- Downgradient monitoring well
 - D-3S (236 mg/L) (2/26/2025) – BTV exceedance confirmed.
 - D-3S (187 mg/L) (10/16/2025) – BTV exceedance confirmed.

Chloride (BTV = 100.5 milligrams per liter (mg/L))

- Downgradient monitoring well
 - D-3S (650 mg/L) (2/26/2025) – BTV exceedance confirmed.
 - D-3S (370 mg/L) (10/16/2025) – BTV exceedance confirmed.
 - D-5S2 (120 mg/L) (2/25/2025) – BTV exceedance confirmed.

Total Dissolved Solids (BTV = 673 milligrams per liter (mg/L))

- Downgradient monitoring well
 - D-3S (1,330 mg/L) (2/26/2025) – BTV exceedance confirmed.
 - D-3S (1,030 mg/L) (10/16/2025) – BTV exceedance confirmed.

Appendix IV Analytes - Result Summary of BTV Exceedances

Barium (BTV = 0.089 mg/L)

- Downgradient monitoring well
 - D-3S (0.17 mg/L) (2/26/2025) – BTV exceedance.
 - D-3S (0.14 mg/L) (10/16/2025) – BTV exceedance confirmed.

Chromium (BTV = 0.052 milligrams per liter (mg/L))

- Downgradient monitoring well
 - D-3S (0.43 mg/L) (2/26/2025) – BTV exceedance.
 - D-3S (0.15 mg/L) (10/16/2025) – BTV exceedance confirmed.
 - D-3D (1.9 mg/L) (2/26/2025) – BTV exceedance confirmed.
 - D-3D (0.14 mg/L) (10/16/2025) – BTV exceedance confirmed.

Cobalt (BTV = 0.00069 milligrams per liter (mg/L))

- Downgradient monitoring well
 - D-3S (0.0022 mg/L) (2/26/2025) – BTV exceedance.

Mercury (BTV = 0.0002 milligrams per liter (mg/L))

- Downgradient monitoring well
 - D-3S (0.00021 mg/L) (2/26/2025) – BTV exceedance.

Molybdenum (BTV = 0.0026 milligrams per liter (mg/L))

- Downgradient monitoring well
 - D-3S (0.049 mg/L) (2/26/2025) – BTV exceedance.

Radium 226 (BTV = 0.429 picocuries per liter (pci/L))

- Downgradient monitoring well
 - D-2D (0.606 pci/L) (10/16/2025) – BTV exceedance.
 - D-3D (0.797 pci/L) (10/16/2025) – BTV exceedance.
- Sidegradient monitoring well
 - D-8 (0.567 pci/L) (10/17/2025) – BTV exceedance.

Due to monitoring well D-7 being dry in 2017 during CCR background sampling events, limited background groundwater analytical data for D-7 is available. Thus, a separate evaluation of monitoring well D-7 groundwater sampling results is typically generated during the annual report. However, as monitoring well D-7 was dry during both of the sampling events conducted in 2025, no evaluation of monitoring well D-7 data will be completed for 2025.

6 Statistical Evaluation Data

This groundwater statistical evaluation for landfill monitoring is conducted in accordance with 40 CFR § 257.93(f)(3). Specifically, current concentrations were compared to the interwell upper simultaneous limits (USLs) in order to determine if a potential statistically significant increase (SSI) exists at downgradient wells.

The background dataset was determined for each well using analytical results ranging from spring 2017 through 2025.

Statistical evaluation of the CCR groundwater monitoring data determined background concentrations and included:

- 1) Establishing final background datasets for each chemical of concern (COC) including outlier testing.
- 2) Deriving statistical, upper bound estimates of the background population for each COC using the final background datasets.

To establish final background datasets for each COC, descriptive statistics, outlier analysis and comparative statistical analysis performed on the background datasets confirmed the data in the background dataset for a given COC as representative of the 'true' background population. Descriptive statistics include the number of samples, the number of detections, the detection frequency, the maximum and minimum detected concentrations, the mean, and the standard deviation of the background data, all of which provide a preliminary examination of data. Compounds where the data distribution does not fit the definition of background population (includes multiple outliers, is heavily skewed to the right), the BTV was calculated using

Chebyshev's UPL, which allows calculation of an upper limit when the data does not fit the USL definition.

Outlier analyses identified potential outliers not representative of the true background population. Including real outliers in a dataset can potentially lead to Type I or Type II errors (USEPA, 2009). A Type I error is defined as false positive relative to the initial hypothesis. A Type II error is defined as a false negative relative to the initial hypothesis. Rosner's Outlier Test was performed on background datasets containing four (4) detected values or more (USEPA, 2009). Based on an alpha of 0.05, statistically significant outliers were removed from the background dataset in order to improve the power of the prediction limit (USEPA, 2009). The resulting background dataset for each well and COC is tabulated in **Attachment C**.

For the final background datasets after outlier analyses, summary statistics calculated the number of samples, number of detections, detection frequency, maximum and minimum detected concentrations, mean concentration, and the standard deviation. The final datasets calculations of the underlying distributions employing Shapiro-Wilks (e.g., normal, lognormal, gamma) using ProUCL 5.0.00 (Singh, 2013) before statistical limits were estimated allowed determination of the appropriate estimates that best describe the background datasets.

The following statistical limits for potential use as a background level (Background Threshold Values (BTVs)) were calculated using ProUCL 5.0.00 (Singh, 2013) for each COC when five or more detections were present:

- 95% upper simultaneous limit (USL) or
- 95% upper prediction limit (UPL)

The 95% USL was selected as the proposed BTVs as:

- 1) Many of the background datasets contain limited sample sizes and, therefore, are unlikely to represent the full range of natural ambient concentrations in the vicinity of the site.
- 2) This statistic should result in lower Type I error rates (i.e., false positives) and can be used to compare many observations.

The 95% UPL was selected as the proposed BTV for datasets with more than 20 observations when:

- 1) The data distribution for a COC contained multiple outliers.
- 2) The data set was skewed to the right.

For the above cases, the COC data sets no longer fit the definition of background population appropriate for USL calculations. In these cases, the BTV was calculated using Chebyshev's UPL, which allows calculation of an upper limit when the data does not fit the USL definition.

If there were no detected results, the highest detection limit was proposed as the BTV. The calculated BTVs are included in **Table 5**. The statistical evaluation data is included in **Appendix C**.



6.1 SSI Determination

The detected concentrations for the 2025 sampling event with the respective BTV are listed below. Compliance is determined by comparing the current concentration to the calculated BTV. Barium, Calcium, Chloride, Chromium, and TDS were confirmed as SSIs at D-3S. Chromium concentrations at D-3D were confirmed as an SSI.

Comparison of 2025 Confirmed COC Concentrations to BTVs

Monitoring Well	Analyte	1st Half 2025 Concentration (mg/L)	BTV Concentration (mg/L)	2nd Half 2025 Concentration (mg/L)	USL Notes
D-3S	Barium	0.17	0.089	0.14	Exceedance Confirmed
D-3S	Calcium	236	150.3	187	Exceedance Confirmed
D-3S	Chloride	650	100.5	370	Exceedance Confirmed
D-3S	TDS	1,330	673	1,030	Exceedance Confirmed
D-3S	Chromium	1.9	0.052	0.14	Exceedance Confirmed
D-3D	Chromium	0.43	0.052	0.15	Exceedance Confirmed
D-5S2	Chloride	120	100.5	85	Not an SSI

mg/L = milligrams per Liter

Bolded concentration exceeds the respective BTV.

7 Groundwater Protection Standards

Per 40 CFR §§ 257.95(d)(2), Groundwater Protection Standards (GPS) were established for each Appendix IV constituent detected in the groundwater. GPS were established using United States Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs) for detected Appendix IV constituents. For constituents for which the background level is higher than the MCL, the background value will be the GPS. GPS levels for Appendix IV are provided in **Table 6**.

For the sampling events conducted in 2025, Calcium, Chloride, and TDS were the Appendix III constituents that were detected above established BTV levels, which would also be the GPS (refer to the table above). Barium and Chromium were the two Appendix IV constituents that were detected above established GPS levels (**Table 7**). Barium was detected in D-3S (0.17 mg/L and 0.14 mg/L) above the BTV of 0.089 mg/L but below the GPS of 2 mg/L. Chromium was detected in D-3S (1.9 mg/L and 0.14 mg/L) and D-3D (0.43 mg/L and 0.15 mg/L) at concentrations above the GPS of 0.1 mg/L.

8 Report Summary

Per the 40 CFR §§ 40.257.93 – 257.95, two monitoring events (spring and fall) were conducted in 2025 at the SKB Rosemount Landfill. Groundwater samples were collected from the monitoring network's 16 monitoring wells (D-1D, D-1S, D-2D, D-2S, D-3D, D-3S, D-4D, D-4S, D-5D, D-5S2, D-8, D-9, U-4D, U-4S, U-5D, and U-5S). Monitoring well D-7 was dry during the 2 monitoring

events, and therefore, was not sampled. Groundwater samples were analyzed for parameters specified in Appendix III (detection monitoring) and Appendix IV (assessment monitoring).

The groundwater data collected during the 2017 – 2025 sampling events were statistically tested following the concepts outlined in this report to form a background data set. Interwell USLs were developed for Boron, Calcium, Chloride, Fluoride, Sulfate as SO₄, and Total Dissolved Solids (TDS), and in 16 monitoring wells (D-1D, D-1S, D-2D, D-2S, D-3D, D-3S, D-4D, D-4S, D-5D, D-5S2, D-8, D-9, U-4D, U-4S, U-5D, and U-5S). Upper and lower threshold values were developed for pH using box plot statistics. The resulting BTVs were compared to the current concentrations for each COC and well pair.

The following analytes were reported above the calculated BTVs in 2025:

Appendix III Analytes

- Calcium concentrations were detected above the BTV at downgradient monitoring well D-3S during both the spring and fall 2025 sampling events. These concentrations were confirmed exceedances.
- Chloride concentrations were detected above the BTV at downgradient monitoring well D-3S during the spring and fall sampling events and D-5S2 during the spring 2025 sampling event. Concentrations at D-3S are confirmed exceedances. Subsequent confirmation sampling at D-5S2 during the fall 2025 determined this exceedance was not considered statistically significant.
- TDS concentrations were detected above the BTV at downgradient monitoring well D-3S during the spring and fall 2025 sampling events. Concentrations at D-3S are confirmed exceedances.

Appendix IV Analytes

- A Barium concentration was detected above the BTV at downgradient monitoring well D-3S during the spring and fall 2025 sampling events. Subsequent confirmation sampling during the fall 2025 determined this exceedance was considered statistically significant. However, concentrations were below the GPS.
- A Chromium concentration was detected above the BTV at downgradient monitoring well D-3D during the spring and fall 2025 sampling events and monitoring well D-3S during the spring and fall 2025 sampling events. Concentrations at D-3D and D-3S are confirmed exceedances. Concentrations at D-3D and D-3S were also above the GPS.
- A Cobalt concentration was detected above the BTV at downgradient monitoring well D-3S during the spring 2025 sampling event. Subsequent confirmation sampling at D-3S during the fall 2025 determined this exceedance was not considered statistically significant.



- A Mercury concentration was detected above the BTV at downgradient monitoring well D-3S during the spring 2025 sampling event. Subsequent confirmation sampling at D-3S during the fall 2025 determined this exceedance was not considered statistically significant.
- A Molybdenum concentration was detected above the BTV at downgradient monitoring well D-3S during the spring 2025 sampling event. Subsequent confirmation sampling at D-3S during the fall 2025 determined this exceedance was not considered statistically significant.
- A Radium 226 concentration was detected above the BTV in downgradient monitoring wells D-2D and D-3D during the fall 2025 sampling event and sidegradient monitoring well D-8 during the fall 2025 sampling event. Subsequent confirmation sampling during the spring 2026 will determine if these exceedances at D-2D, D-3D, and D-8 are considered statistically significant. The concentrations at D-2D, D-3D, and D-8 are not a confirmed exceedance until additional sampling is completed in spring 2026.

Groundwater concentrations from the 2025 monitoring events were compared to established GPS values. Chromium was the only constituent in Appendix IV that was detected above established GPS values for the site.

Chromium concentration increases appear to coincide with increases to TDS at D-3D and D-3S over the past several sampling events. However, TDS concentrations are decreasing along with chromium concentrations. SKB will continue to monitor these locations as required. Additional corrective action measures will be implemented, as needed.

9 Recommendations

CCR groundwater monitoring events will be conducted in 2026 by the following schedule:

Late February or Early March 2026

Conduct a groundwater sampling event of the site's monitoring well network and analyze the groundwater samples for constituents listed in Appendix III and Appendix IV (only analytes detected in the fall 2026 event).

Fall 2026

Conduct a groundwater sampling event of the site's monitoring well network and analyze the groundwater samples for constituents listed in Appendix III and Appendix IV (full list).

An evaluation of groundwater analytical results after each monitoring event will be completed to determine if a significant increase over BTVs for one or more constituent listed in Appendix III and Appendix IV has occurred at any monitoring well. The evaluation will be performed using a tolerance or prediction interval procedure (§ 257.93(f)(3)). The level of each constituent in the monitoring well will be compared to an established BTV. Any single constituent that exceeds the BTV is considered to be an exceedance. Confirmation sampling will determine whether the BTV



exceedance is statistically significant. Additionally, groundwater concentrations of constituents listed in Appendix IV will be compared to establish GPS values.

Groundwater samples will be collected from monitoring well D-7 during 2026 groundwater monitoring events and analyzed for Appendix III and Appendix IV analytes (full list).

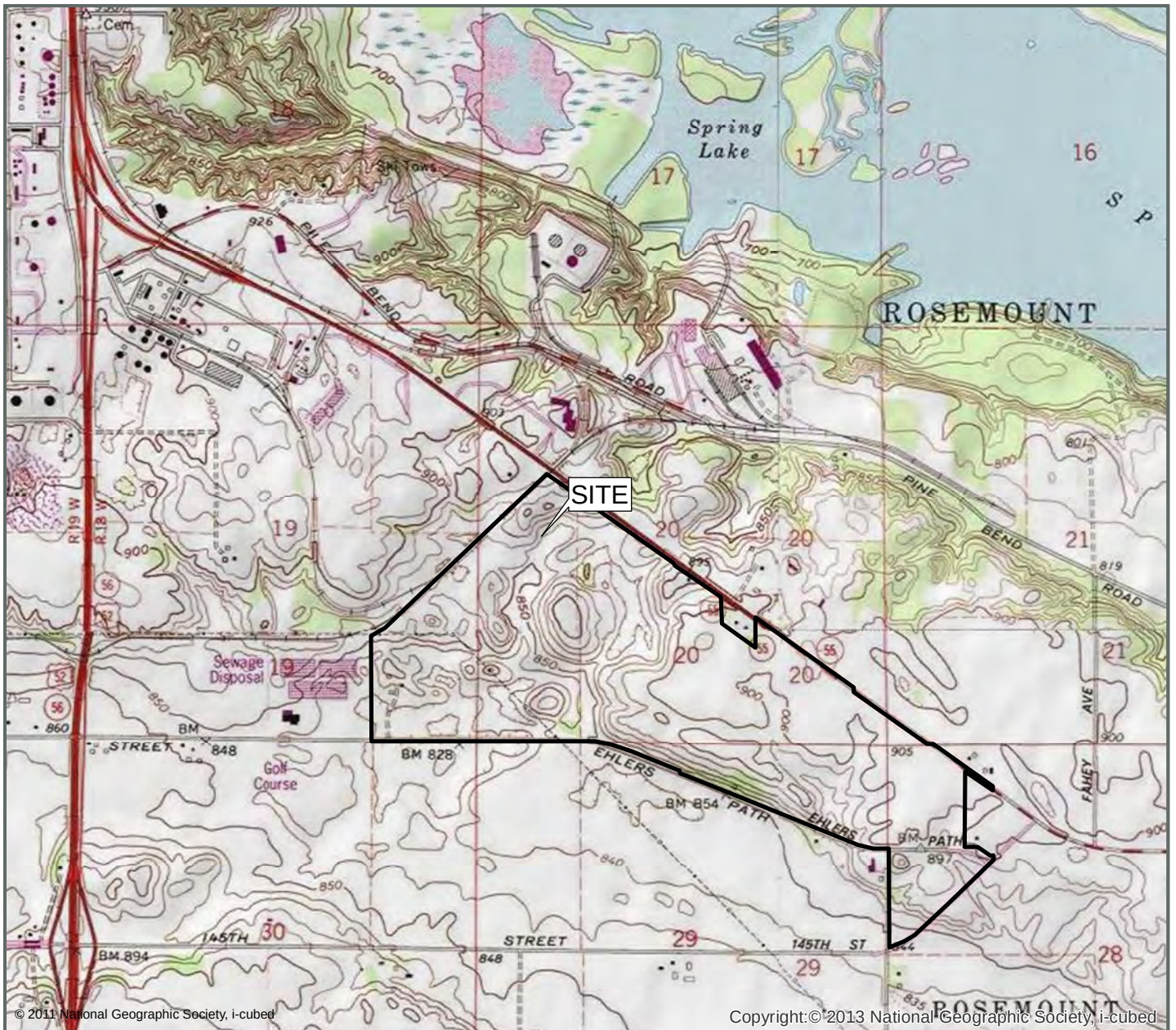
A 2026 *CCR Annual Monitoring Report* will be prepared and include sampling results from the 2026 CCR groundwater monitoring events and an evaluation of the analytical results as they pertained to BTVs and GPS values.

References

- Singh and Singh, 2013. *ProUCL Version 5.0.00 Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations*, United States Environmental Protection Agency
- United States Environmental Protection Agency, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. Office of Resource Conservation and Recovery Program Implementation and Information Division, EPA 530/R-09-007, March 2009.
- United States Geological Survey, 1967 (revised 1993). *7.5-minute quadrangle map, Inver Grove Heights*.



Figures



Sources:

USGS 7.5 Minute Series
Topographic Quadrangle, 1973
Inner Grove Heights, Minnesota
Contour Interval = 10'



Site Location Map

**SKB Environmental
Rosemount Facility
13425 Courthouse Boulevard
Rosemount, Minnesota**

Drawn
R.S.
Designed
N.S.
Approved
E.L.

Date
09/30/25
Figure
1



Scale In Feet (Approximate)

0 1,750



Groundwater & Environmental Services, Inc.

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Legend

PROPERTY BOUNDARY

MONITORING WELL

METHANE MONITORING POINT

Note:
Survey completed on 10/22/2025

Site Map

SKB Environmental Inc.
Rosemount Facility
13425 Courthouse Boulevard
Rosemount, Minnesota

Drawn
R.S.
Designed
N.S.
Approved
N.S.

N

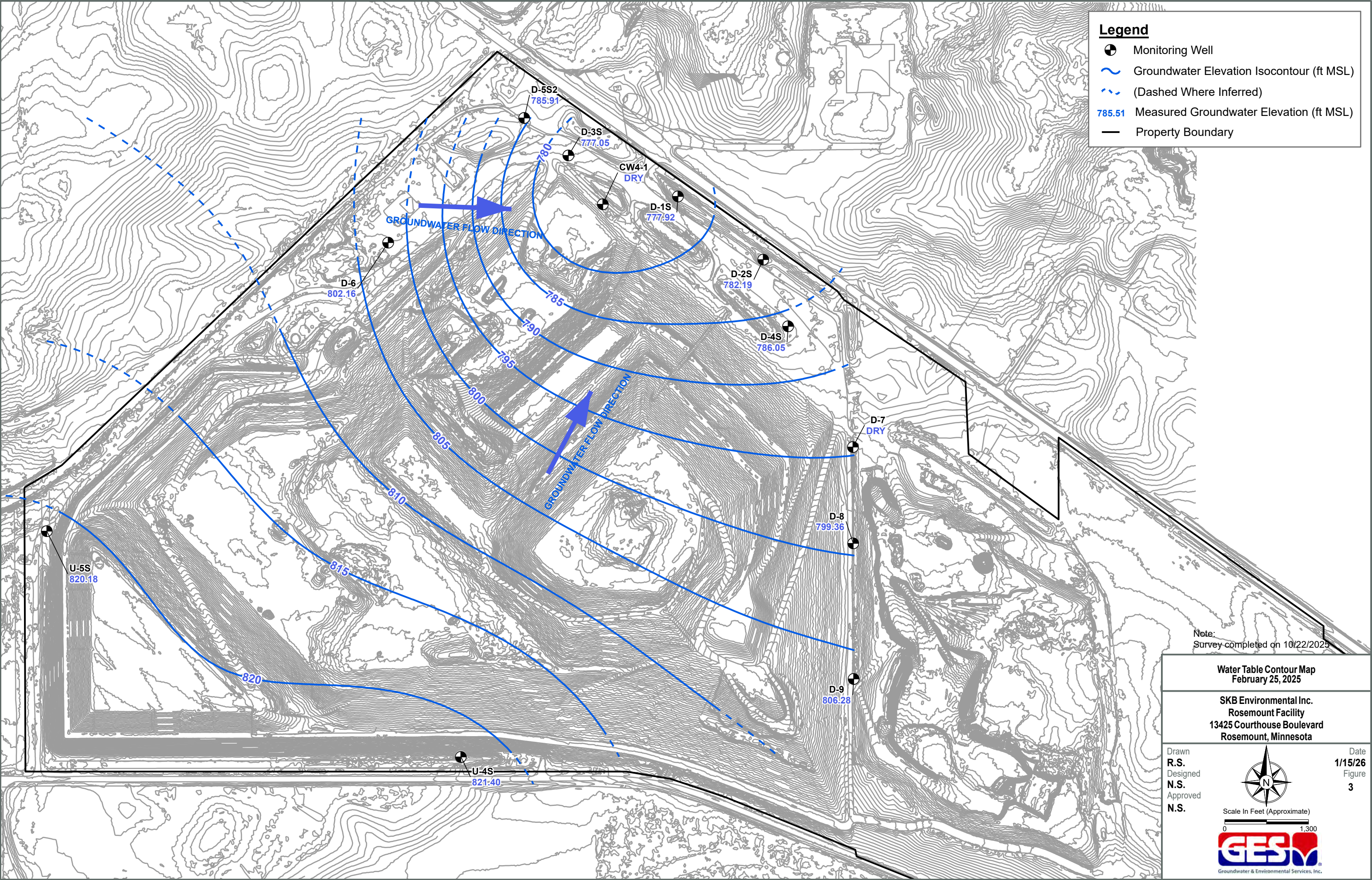
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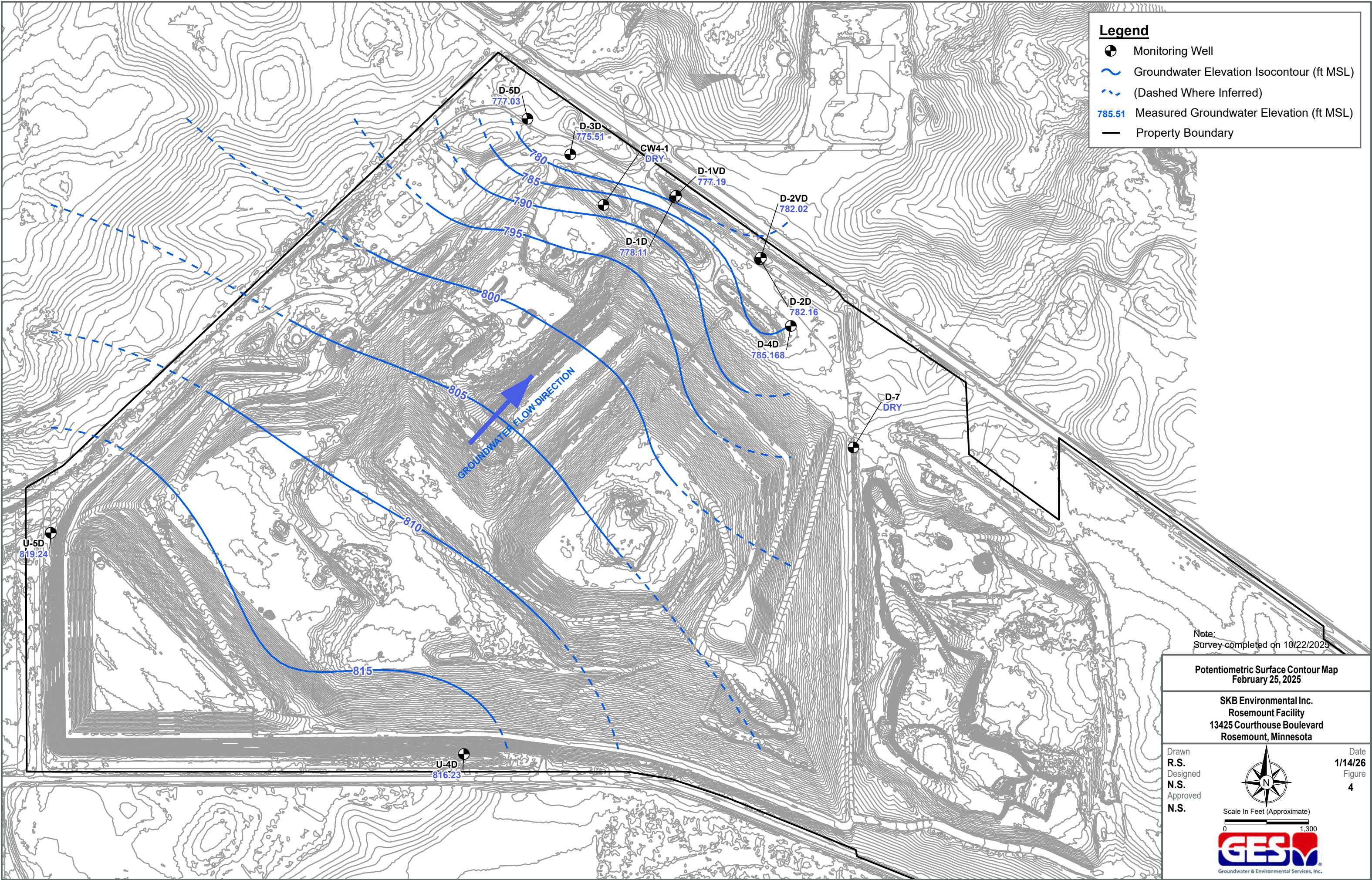
Groundwater & Environmental Services, Inc.

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2

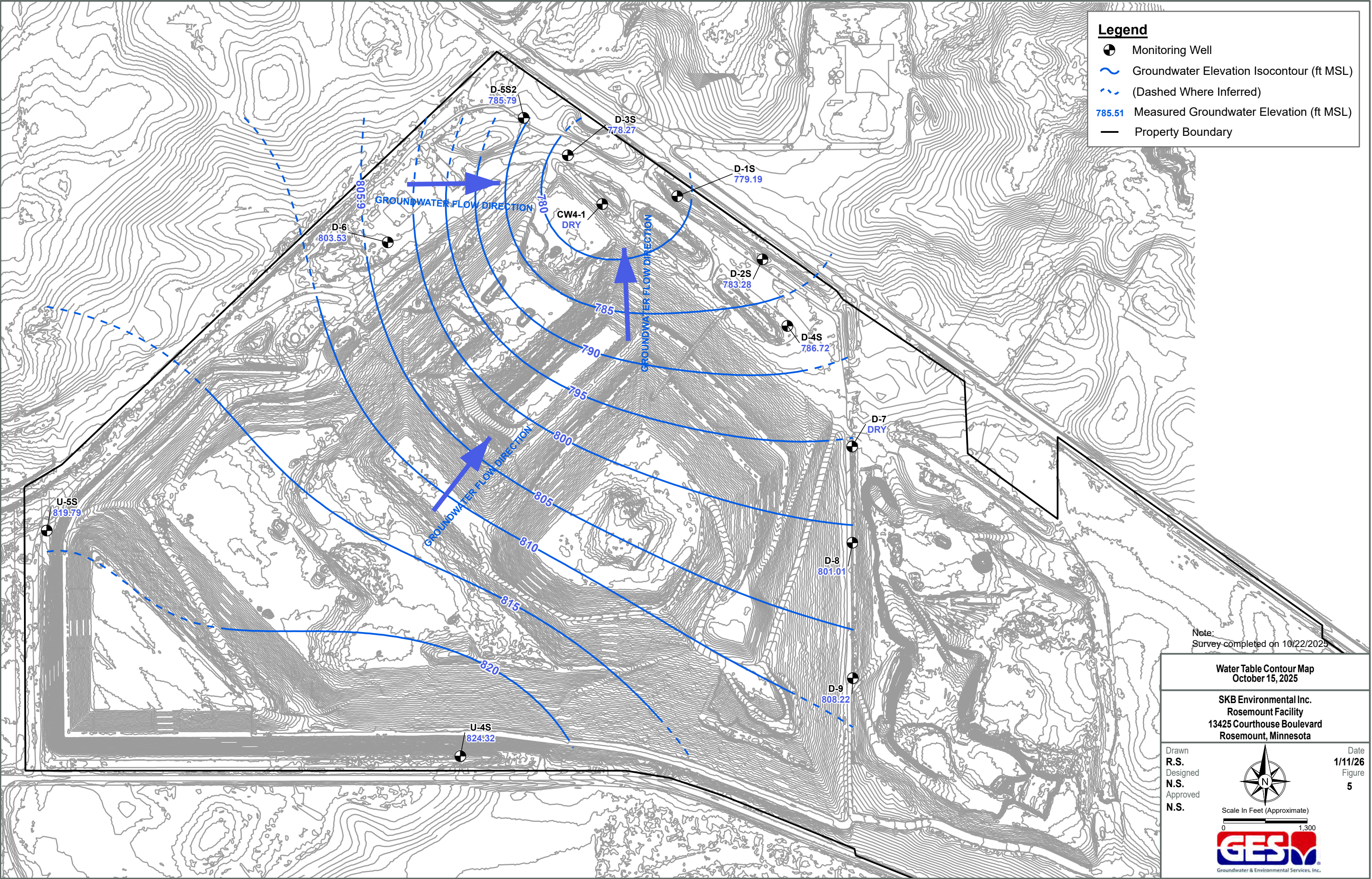
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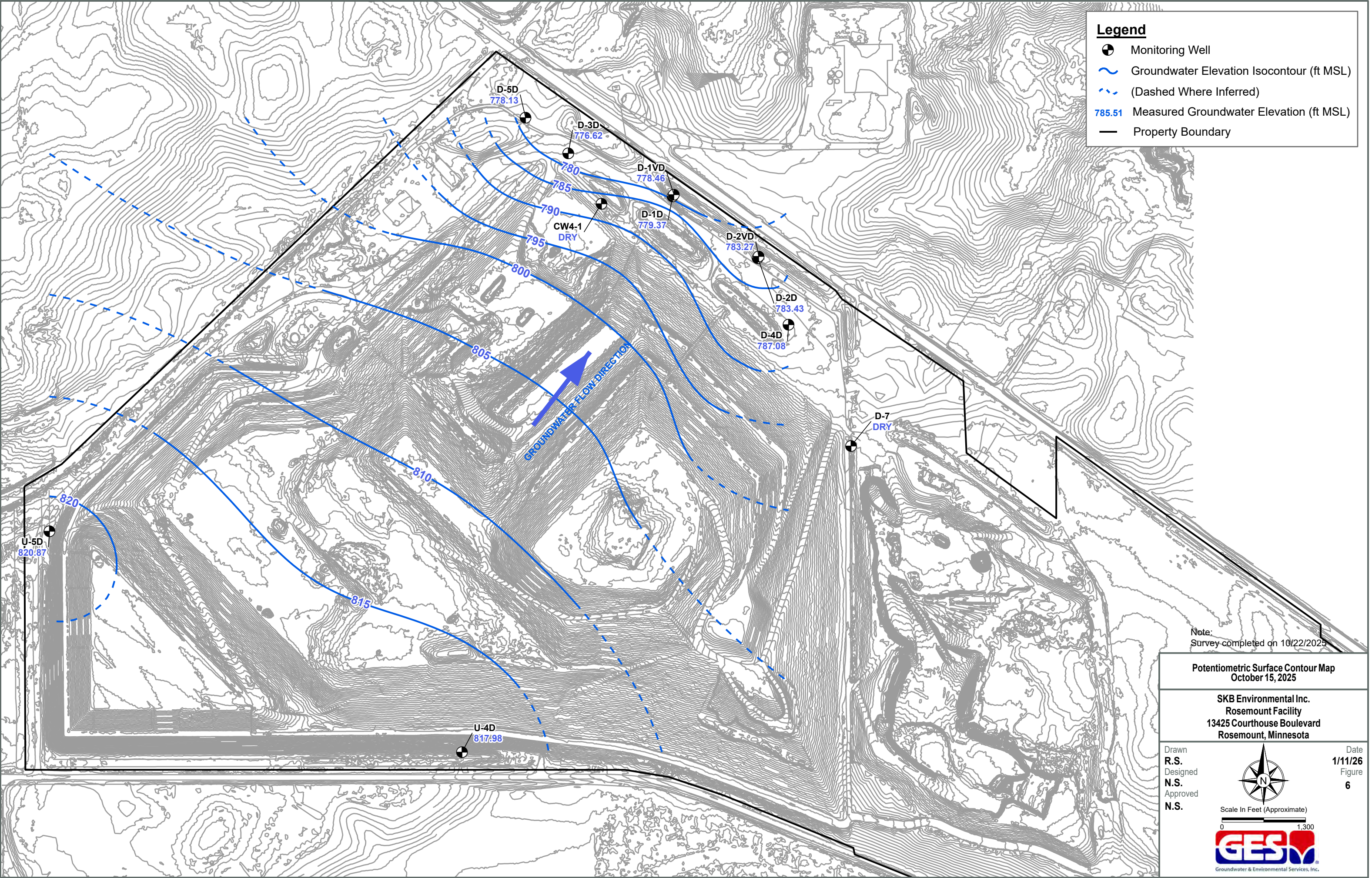
N:\Blacksburg\Projects\SKB Environmental\Rosemount Facility\GIS\Rosemount_GWE.aprx - 1 inch equals 1,300-feet - 1/14/2026 4:25 PM - rschwiderson - WGS 1984 Web Mercator Auxiliary Sphere - Layout_GWE_Feb_2025_Deep



N:\Blacksburg\Projects\SKB Environmental\Rosemount Facility\GIS\Rosemount_GWE.aprx - 1 inch equals 1,300-feet - 1/11/2026 6:42 PM - rschwiderson - WGS 1984 Web Mercator Auxiliary Sphere - Layout_GWE_Oct_2025_SShallow



N:\Blacksburg\Projects\SKB Environmental\Rosemount Facility\GIS\Rosemount_GWE.aprx - 1 inch equals 1,300-feet - 1/11/2025 5:28 PM - rschwiderson - WGS 1984 Web Mercator Auxiliary Sphere - Layout_GWE_Oct_2025_Deep





Tables

Table 1

Groundwater Elevations
Downgradient Deep Wells



DATE	D-1D	D-1VD	D-2D	D-2VD	D-3D	D-4D	D-5D
2/25/2025	778.06	777.22	782.04	781.98	775.51	785.17	777.03
10/15/2025	779.37	778.46	783.43	783.27	776.62	787.08	778.13

*Groundwater elevations in feet above MSL.

Table 1
Groundwater Elevations
Downgradient Shallow Wells



DATE	D-1S	D-2S	D-3S	D-4S	D-5S2	D-6	D-7	D-8	D-9
2/25/2025	777.97	782.12	776.94	779.39	785.69	802.16	DRY	799.41	806.21
10/15/2025	779.19	783.28	778.27	786.72	785.79	803.53	DRY	801.01	808.22

*Groundwater elevations in feet above MSL.

Table 1
Groundwater Elevations
Upgradient Deep Wells



DATE	U-4D	U-5D
2/25/2025	816.23	819.8
10/15/2025	817.98	820.87

*Groundwater elevations in feet above MSL.

Table 1
Groundwater Elevations
Upgradient Shallow Wells



DATE	U-4S	U-5S
2/25/2025	821.4	820.18
10/15/2025	824.32	819.79

*Groundwater elevations in feet above MSL.

Table 2
Groundwater Analytical Data
Appendix III



Location	Date	Parameter	Result	Background Threshold Value (BTv)	Units	CAS #
D-1D	02/26/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-1D	10/16/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-1D	02/26/2025	Calcium	91.3	150.3	mg/l	7440-70-2
D-1D	10/16/2025	Calcium	97.4	150.3	mg/l	7440-70-2
D-1D	02/26/2025	Chloride	32	100.5	mg/l	16887-00-6
D-1D	10/16/2025	Chloride	32	100.5	mg/l	16887-00-6
D-1D	02/26/2025	pH	7.5	7.1 < 8.1	pH UNITS	PH
D-1D	10/16/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-1D	02/26/2025	Sulfate as SO4	25	70.6	mg/l	14808-79-8
D-1D	10/16/2025	Sulfate as SO4	24	70.6	mg/l	14808-79-8
D-1D	02/26/2025	Total Dissolved Solids	376	673	mg/l	TDS
D-1D	10/16/2025	Total Dissolved Solids	382	673	mg/l	TDS
D-1S	02/26/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-1S	10/16/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-1S	02/26/2025	Calcium	82.8	150.3	mg/l	7440-70-2
D-1S	10/16/2025	Calcium	103	150.3	mg/l	7440-70-2
D-1S	02/26/2025	Chloride	47	100.5	mg/l	16887-00-6
D-1S	10/16/2025	Chloride	49	100.5	mg/l	16887-00-6
D-1S	02/26/2025	pH	7.4	7.1 < 8.1	pH UNITS	PH
D-1S	10/16/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-1S	02/26/2025	Sulfate as SO4	19	70.6	mg/l	14808-79-8
D-1S	10/16/2025	Sulfate as SO4	19	70.6	mg/l	14808-79-8
D-1S	02/26/2025	Total Dissolved Solids	416	673	mg/l	TDS
D-1S	10/16/2025	Total Dissolved Solids	418	673	mg/l	TDS
D-2D	02/26/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-2D	10/16/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-2D	02/26/2025	Calcium	90.6	150.3	mg/l	7440-70-2
D-2D	10/16/2025	Calcium	102	150.3	mg/l	7440-70-2
D-2D	02/26/2025	Chloride	28	100.5	mg/l	16887-00-6
D-2D	10/16/2025	Chloride	29	100.5	mg/l	16887-00-6
D-2D	02/26/2025	pH	7.6	7.1 < 8.1	pH UNITS	PH
D-2D	10/16/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-2D	02/26/2025	Sulfate as SO4	21	70.6	mg/l	14808-79-8
D-2D	10/16/2025	Sulfate as SO4	20	70.6	mg/l	14808-79-8
D-2D	02/26/2025	Total Dissolved Solids	424	673	mg/l	TDS
D-2D	10/16/2025	Total Dissolved Solids	374	673	mg/l	TDS
D-2S	02/26/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-2S	10/16/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-2S	02/26/2025	Calcium	90.6	150.3	mg/l	7440-70-2
D-2S	10/16/2025	Calcium	105	150.3	mg/l	7440-70-2
D-2S	02/26/2025	Chloride	45	100.5	mg/l	16887-00-6
D-2S	10/16/2025	Chloride	42	100.5	mg/l	16887-00-6
D-2S	02/26/2025	pH	7.5	7.1 < 8.1	pH UNITS	PH
D-2S	10/16/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-2S	02/26/2025	Sulfate as SO4	22	70.6	mg/l	14808-79-8
D-2S	10/16/2025	Sulfate as SO4	23	70.6	mg/l	14808-79-8
D-2S	02/26/2025	Total Dissolved Solids	428	673	mg/l	TDS
D-2S	10/16/2025	Total Dissolved Solids	414	673	mg/l	TDS
D-3D	02/26/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-3D	10/16/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-3D	02/26/2025	Calcium	106	150.3	mg/l	7440-70-2
D-3D	10/16/2025	Calcium	111	150.3	mg/l	7440-70-2
D-3D	02/26/2025	Chloride	88	100.5	mg/l	16887-00-6
D-3D	10/16/2025	Chloride	93	100.5	mg/l	16887-00-6
D-3D	02/26/2025	pH	7.6	7.1 < 8.1	pH UNITS	PH
D-3D	10/16/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-3D	02/26/2025	Sulfate as SO4	29	70.6	mg/l	14808-79-8
D-3D	10/16/2025	Sulfate as SO4	29	70.6	mg/l	14808-79-8
D-3D	02/26/2025	Total Dissolved Solids	496	673	mg/l	TDS
D-3D	10/16/2025	Total Dissolved Solids	502	673	mg/l	TDS

Table 2
Groundwater Analytical Data
Appendix III



Location	Date	Parameter	Result	Background Threshold Value (BTv)	Units	CAS #
D-3S	02/26/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-3S	10/16/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-3S	02/26/2025	Calcium	236	150.3	mg/l	7440-70-2
D-3S	10/16/2025	Calcium	187	150.3	mg/l	7440-70-2
D-3S	02/26/2025	Chloride	650	100.5	mg/l	16887-00-6
D-3S	10/16/2025	Chloride	370	100.5	mg/l	16887-00-6
D-3S	02/26/2025	pH	7.4	7.1 < 8.1	pH UNITS	PH
D-3S	10/16/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-3S	02/26/2025	Sulfate as SO4	49	70.6	mg/l	14808-79-8
D-3S	10/16/2025	Sulfate as SO4	46	70.6	mg/l	14808-79-8
D-3S	02/26/2025	Total Dissolved Solids	1330	673	mg/l	TDS
D-3S	10/16/2025	Total Dissolved Solids	1030	673	mg/l	TDS
D-4D	02/27/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-4D	10/17/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-4D	02/27/2025	Calcium	104	150.3	mg/l	7440-70-2
D-4D	10/17/2025	Calcium	108	150.3	mg/l	7440-70-2
D-4D	02/27/2025	Chloride	47	100.5	mg/l	16887-00-6
D-4D	10/17/2025	Chloride	47	100.5	mg/l	16887-00-6
D-4D	02/27/2025	pH	7.4	7.1 < 8.1	pH UNITS	PH
D-4D	10/17/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-4D	02/27/2025	Sulfate as SO4	23	70.6	mg/l	14808-79-8
D-4D	10/17/2025	Sulfate as SO4	23	70.6	mg/l	14808-79-8
D-4D	02/27/2025	Total Dissolved Solids	480	673	mg/l	TDS
D-4D	10/17/2025	Total Dissolved Solids	444	673	mg/l	TDS
D-4S	02/27/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-4S	10/17/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-4S	02/27/2025	Calcium	100	150.3	mg/l	7440-70-2
D-4S	10/17/2025	Calcium	104	150.3	mg/l	7440-70-2
D-4S	02/27/2025	Chloride	49	100.5	mg/l	16887-00-6
D-4S	10/17/2025	Chloride	46	100.5	mg/l	16887-00-6
D-4S	02/27/2025	pH	7.6	7.1 < 8.1	pH UNITS	PH
D-4S	10/17/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-4S	02/27/2025	Sulfate as SO4	27	70.6	mg/l	14808-79-8
D-4S	10/17/2025	Sulfate as SO4	25	70.6	mg/l	14808-79-8
D-4S	02/27/2025	Total Dissolved Solids	476	673	mg/l	TDS
D-4S	10/17/2025	Total Dissolved Solids	446	673	mg/l	TDS
D-5D	02/25/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-5D	10/16/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-5D	02/25/2025	Calcium	104	150.3	mg/l	7440-70-2
D-5D	10/16/2025	Calcium	111	150.3	mg/l	7440-70-2
D-5D	02/25/2025	Chloride	64	100.5	mg/l	16887-00-6
D-5D	10/16/2025	Chloride	64	100.5	mg/l	16887-00-6
D-5D	02/25/2025	pH	7.5	7.1 < 8.1	pH UNITS	PH
D-5D	10/16/2025	pH	7.9	7.1 < 8.1	pH UNITS	PH
D-5D	02/25/2025	Sulfate as SO4	28	70.6	mg/l	14808-79-8
D-5D	10/16/2025	Sulfate as SO4	29	70.6	mg/l	14808-79-8
D-5D	02/25/2025	Total Dissolved Solids	444	673	mg/l	TDS
D-5D	10/16/2025	Total Dissolved Solids	450	673	mg/l	TDS
D-5S2	02/25/2025	Boron	0.10	0.33	mg/l	7440-42-8
D-5S2	10/16/2025	Boron	0.10	0.33	mg/l	7440-42-8
D-5S2	02/25/2025	Calcium	121	150.3	mg/l	7440-70-2
D-5S2	10/16/2025	Calcium	141	150.3	mg/l	7440-70-2
D-5S2	02/25/2025	Chloride	120	100.5	mg/l	16887-00-6
D-5S2	10/16/2025	Chloride	85	100.5	mg/l	16887-00-6
D-5S2	02/25/2025	pH	7.7	7.1 < 8.1	pH UNITS	PH
D-5S2	10/16/2025	pH	7.9	7.1 < 8.1	pH UNITS	PH
D-5S2	02/25/2025	Sulfate as SO4	52	70.6	mg/l	14808-79-8
D-5S2	10/16/2025	Sulfate as SO4	45	70.6	mg/l	14808-79-8
D-5S2	02/25/2025	Total Dissolved Solids	578	673	mg/l	TDS
D-5S2	10/16/2025	Total Dissolved Solids	578	673	mg/l	TDS

Table 2
Groundwater Analytical Data
Appendix III



Location	Date	Parameter	Result	Background Threshold Value (BTv)	Units	CAS #
D-8	02/27/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-8	10/17/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-8	02/27/2025	Calcium	95.8	150.3	mg/l	7440-70-2
D-8	10/17/2025	Calcium	112	150.3	mg/l	7440-70-2
D-8	02/27/2025	Chloride	19	100.5	mg/l	16887-00-6
D-8	10/17/2025	Chloride	18	100.5	mg/l	16887-00-6
D-8	02/27/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
D-8	10/17/2025	pH	7.9	7.1 < 8.1	pH UNITS	PH
D-8	02/27/2025	Sulfate as SO4	33	70.6	mg/l	14808-79-8
D-8	10/17/2025	Sulfate as SO4	31	70.6	mg/l	14808-79-8
D-8	02/27/2025	Total Dissolved Solids	442	673	mg/l	TDS
D-8	10/17/2025	Total Dissolved Solids	418	673	mg/l	TDS
D-9	02/27/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-9	10/17/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
D-9	02/27/2025	Calcium	114	150.3	mg/l	7440-70-2
D-9	10/17/2025	Calcium	126	150.3	mg/l	7440-70-2
D-9	02/27/2025	Chloride	43	100.5	mg/l	16887-00-6
D-9	10/17/2025	Chloride	43	100.5	mg/l	16887-00-6
D-9	02/27/2025	pH	7.3	7.1 < 8.1	pH UNITS	PH
D-9	10/17/2025	pH	7.7	7.1 < 8.1	pH UNITS	PH
D-9	02/27/2025	Sulfate as SO4	12	70.6	mg/l	14808-79-8
D-9	10/17/2025	Sulfate as SO4	17	70.6	mg/l	14808-79-8
D-9	02/27/2025	Total Dissolved Solids	452	673	mg/l	TDS
D-9	10/17/2025	Total Dissolved Solids	474	673	mg/l	TDS
U-4D	02/25/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
U-4D	10/15/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
U-4D	02/25/2025	Calcium	97.1	150.3	mg/l	7440-70-2
U-4D	10/15/2025	Calcium	97.2	150.3	mg/l	7440-70-2
U-4D	02/25/2025	Chloride	31	100.5	mg/l	16887-00-6
U-4D	10/15/2025	Chloride	31	100.5	mg/l	16887-00-6
U-4D	02/25/2025	pH	7.6	7.1 < 8.1	pH UNITS	PH
U-4D	10/15/2025	pH	7.9	7.1 < 8.1	pH UNITS	PH
U-4D	02/25/2025	Sulfate as SO4	22	70.6	mg/l	14808-79-8
U-4D	10/15/2025	Sulfate as SO4	22	70.6	mg/l	14808-79-8
U-4D	02/25/2025	Total Dissolved Solids	392	673	mg/l	TDS
U-4D	10/15/2025	Total Dissolved Solids	416	673	mg/l	TDS
U-4S	02/25/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
U-4S	10/15/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
U-4S	02/25/2025	Calcium	93.4	150.3	mg/l	7440-70-2
U-4S	10/15/2025	Calcium	96.9	150.3	mg/l	7440-70-2
U-4S	02/25/2025	Chloride	43	100.5	mg/l	16887-00-6
U-4S	10/15/2025	Chloride	31	100.5	mg/l	16887-00-6
U-4S	02/25/2025	pH	7.3	7.1 < 8.1	pH UNITS	PH
U-4S	10/15/2025	pH	7.8	7.1 < 8.1	pH UNITS	PH
U-4S	02/25/2025	Sulfate as SO4	31	70.6	mg/l	14808-79-8
U-4S	10/15/2025	Sulfate as SO4	< 5.0	70.6	mg/l	14808-79-8
U-4S	02/25/2025	Total Dissolved Solids	408	673	mg/l	TDS
U-4S	10/15/2025	Total Dissolved Solids	368	673	mg/l	TDS
U-5D	02/25/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
U-5D	10/15/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
U-5D	02/25/2025	Calcium	80.7	150.3	mg/l	7440-70-2
U-5D	10/15/2025	Calcium	94.6	150.3	mg/l	7440-70-2
U-5D	02/25/2025	Chloride	31	100.5	mg/l	16887-00-6
U-5D	10/15/2025	Chloride	28	100.5	mg/l	16887-00-6
U-5D	02/25/2025	pH	7.5	7.1 < 8.1	pH UNITS	PH
U-5D	10/15/2025	pH	7.9	7.1 < 8.1	pH UNITS	PH
U-5D	02/25/2025	Sulfate as SO4	26	70.6	mg/l	14808-79-8
U-5D	10/15/2025	Sulfate as SO4	25	70.6	mg/l	14808-79-8
U-5D	02/25/2025	Total Dissolved Solids	378	673	mg/l	TDS
U-5D	10/15/2025	Total Dissolved Solids	380	673	mg/l	TDS

Table 2
Groundwater Analytical Data
Appendix III



Location	Date	Parameter	Result	Background Threshold Value (BTV)	Units	CAS #
U-5S	02/25/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
U-5S	10/15/2025	Boron	< 0.10	0.33	mg/l	7440-42-8
U-5S	02/25/2025	Calcium	89.9	150.3	mg/l	7440-70-2
U-5S	10/15/2025	Calcium	103	150.3	mg/l	7440-70-2
U-5S	02/25/2025	Chloride	49	100.5	mg/l	16887-00-6
U-5S	10/15/2025	Chloride	45	100.5	mg/l	16887-00-6
U-5S	02/25/2025	pH	7.4	7.1 < 8.1	pH UNITS	PH
U-5S	10/15/2025	pH	7.9	7.1 < 8.1	pH UNITS	PH
U-5S	02/25/2025	Sulfate as SO4	25	70.6	mg/l	14808-79-8
U-5S	10/15/2025	Sulfate as SO4	22	70.6	mg/l	14808-79-8
U-5S	02/25/2025	Total Dissolved Solids	418	673	mg/l	TDS
U-5S	10/15/2025	Total Dissolved Solids	402	673	mg/l	TDS

Results in milligrams per liter (mg/l)

Bold = Indicates concentration above Background Threshold Value

Table 3
Groundwater Analytical Data
Appendix IV



Location	Date	Parameter	Result	Background Threshold Value (BTV)	Units	CAS #
D-1D	02/26/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-1D	10/16/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-1D	02/26/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-1D	10/16/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-1D	02/26/2025	Barium	0.048	0.089	mg/l	7440-39-3
D-1D	10/16/2025	Barium	0.053	0.089	mg/l	7440-39-3
D-1D	02/26/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-1D	10/16/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-1D	02/26/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-1D	10/16/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-1D	02/26/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-1D	10/16/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-1D	02/26/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-1D	10/16/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-1D	02/26/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-1D	10/16/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-1D	02/26/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-1D	10/16/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-1D	02/26/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-1D	10/16/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-1D	02/26/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-1D	10/16/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-1D	02/26/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-1D	10/16/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-1D	02/26/2025	Radium (226)	< 0.104	0.429	pci/l	13982-63-3
D-1D	10/16/2025	Radium (226)	< 0.357	0.429	pci/l	13982-63-3
D-1D	02/26/2025	Radium 228	< 0.643	1.37	pci/l	15262-20-1
D-1D	10/16/2025	Radium 228	1.33	1.37	pci/l	15262-20-1
D-1D	02/26/2025	Radium-226/228	< 0.643	1.799	pci/l	425
D-1D	10/16/2025	Radium-226/228	1.54	1.799	pci/l	425
D-1D	02/26/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-1D	10/16/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-1D	02/26/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-1D	10/16/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-1S	02/26/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-1S	10/16/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-1S	02/26/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-1S	10/16/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-1S	02/26/2025	Barium	0.043	0.089	mg/l	7440-39-3
D-1S	10/16/2025	Barium	0.050	0.089	mg/l	7440-39-3
D-1S	02/26/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-1S	10/16/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-1S	02/26/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-1S	10/16/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-1S	02/26/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-1S	10/16/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-1S	02/26/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-1S	10/16/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-1S	02/26/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-1S	10/16/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-1S	02/26/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-1S	10/16/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-1S	02/26/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-1S	10/16/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2

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D-1S	02/26/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-1S	10/16/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-1S	02/26/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-1S	10/16/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-1S	02/26/2025	Radium (226)	< 0.169	0.429	pci/l	13982-63-3
D-1S	10/16/2025	Radium (226)	< 0.392	0.429	pci/l	13982-63-3
D-1S	02/26/2025	Radium 228	< 0.626	1.37	pci/l	15262-20-1
D-1S	10/16/2025	Radium 228	0.956	1.37	pci/l	15262-20-1
D-1S	02/26/2025	Radium-226/228	< 0.626	1.799	pci/l	425
D-1S	10/16/2025	Radium-226/228	1.21	1.799	pci/l	425
D-1S	02/26/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-1S	10/16/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-1S	02/26/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-1S	10/16/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-2D	02/26/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-2D	10/16/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-2D	02/26/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-2D	10/16/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-2D	02/26/2025	Barium	0.051	0.089	mg/l	7440-39-3
D-2D	10/16/2025	Barium	0.055	0.089	mg/l	7440-39-3
D-2D	02/26/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-2D	10/16/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-2D	02/26/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-2D	10/16/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-2D	02/26/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-2D	10/16/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-2D	02/26/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-2D	10/16/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-2D	02/26/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-2D	10/16/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-2D	02/26/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-2D	10/16/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-2D	02/26/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-2D	10/16/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-2D	02/26/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-2D	10/16/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-2D	02/26/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-2D	10/16/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-2D	02/26/2025	Radium (226)	< 0.133	0.429	pci/l	13982-63-3
D-2D	10/16/2025	Radium (226)	0.606	0.429	pci/l	13982-63-3
D-2D	02/26/2025	Radium 228	< 0.503	1.37	pci/l	15262-20-1
D-2D	10/16/2025	Radium 228	< 0.965	1.37	pci/l	15262-20-1
D-2D	02/26/2025	Radium-226/228	< 0.503	1.799	pci/l	425
D-2D	10/16/2025	Radium-226/228	< 0.965	1.799	pci/l	425
D-2D	02/26/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-2D	10/16/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-2D	02/26/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-2D	10/16/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-2S	02/26/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-2S	10/16/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-2S	02/26/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-2S	10/16/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-2S	02/26/2025	Barium	0.044	0.089	mg/l	7440-39-3
D-2S	10/16/2025	Barium	0.047	0.089	mg/l	7440-39-3

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D-2S	02/26/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-2S	10/16/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-2S	02/26/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-2S	10/16/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-2S	02/26/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-2S	10/16/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-2S	02/26/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-2S	10/16/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-2S	02/26/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-2S	10/16/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-2S	02/26/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-2S	10/16/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-2S	02/26/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-2S	10/16/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-2S	02/26/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-2S	10/16/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-2S	02/26/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-2S	10/16/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-2S	02/26/2025	Radium (226)	< 0.177	0.429	pci/l	13982-63-3
D-2S	10/16/2025	Radium (226)	0.429	0.429	pci/l	13982-63-3
D-2S	02/26/2025	Radium 228	< 0.567	1.37	pci/l	15262-20-1
D-2S	10/16/2025	Radium 228	< 0.626	1.37	pci/l	15262-20-1
D-2S	02/26/2025	Radium-226/228	< 0.567	1.799	pci/l	425
D-2S	10/16/2025	Radium-226/228	0.779	1.799	pci/l	425
D-2S	02/26/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-2S	10/16/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-2S	02/26/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-2S	10/16/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-3D	02/26/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-3D	10/16/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-3D	02/26/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-3D	10/16/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-3D	02/26/2025	Barium	0.071	0.089	mg/l	7440-39-3
D-3D	10/16/2025	Barium	0.066	0.089	mg/l	7440-39-3
D-3D	02/26/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-3D	10/16/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-3D	02/26/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-3D	10/16/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-3D	02/26/2025	Chromium	0.43	0.052	mg/l	7440-47-3
D-3D	10/16/2025	Chromium	0.15	0.052	mg/l	7440-47-3
D-3D	02/26/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-3D	10/16/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-3D	02/26/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-3D	10/16/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-3D	02/26/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-3D	10/16/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-3D	02/26/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-3D	10/16/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-3D	02/26/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-3D	10/16/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-3D	02/26/2025	MOLYBDENUM	0.0026	0.0026	mg/l	7439-98-7
D-3D	10/16/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-3D	02/26/2025	Radium (226)	0.214	0.429	pci/l	13982-63-3
D-3D	10/16/2025	Radium (226)	0.797	0.429	pci/l	13982-63-3

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D-3D	02/26/2025	Radium 228	< 0.502	1.37	pci/l	15262-20-1
D-3D	10/16/2025	Radium 228	< 0.664	1.37	pci/l	15262-20-1
D-3D	02/26/2025	Radium-226/228	0.595	1.799	pci/l	425
D-3D	10/16/2025	Radium-226/228	1.34	1.799	pci/l	425
D-3D	02/26/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-3D	10/16/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-3D	02/26/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-3D	10/16/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-3S	02/26/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-3S	10/16/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-3S	02/26/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-3S	10/16/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-3S	02/26/2025	Barium	0.17	0.089	mg/l	7440-39-3
D-3S	10/16/2025	Barium	0.14	0.089	mg/l	7440-39-3
D-3S	02/26/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-3S	10/16/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-3S	02/26/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-3S	10/16/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-3S	02/26/2025	Chromium	1.9	0.052	mg/l	7440-47-3
D-3S	10/16/2025	Chromium	0.14	0.052	mg/l	7440-47-3
D-3S	02/26/2025	Cobalt	0.0022	0.00069	mg/l	7440-48-4
D-3S	10/16/2025	Cobalt	0.00056	0.00069	mg/l	7440-48-4
D-3S	02/26/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-3S	10/16/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-3S	02/26/2025	Lead	0.00056	0.0023	mg/l	7439-92-1
D-3S	10/16/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-3S	02/26/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-3S	10/16/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-3S	02/26/2025	Mercury	0.00021	0.0002	mg/l	7439-97-6
D-3S	10/16/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-3S	02/26/2025	MOLYBDENUM	0.049	0.0026	mg/l	7439-98-7
D-3S	10/16/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-3S	02/26/2025	Radium (226)	0.209	0.429	pci/l	13982-63-3
D-3S	10/16/2025	Radium (226)	0.431	0.429	pci/l	13982-63-3
D-3S	02/26/2025	Radium 228	< 0.566	1.37	pci/l	15262-20-1
D-3S	10/16/2025	Radium 228	< 0.578	1.37	pci/l	15262-20-1
D-3S	02/26/2025	Radium-226/228	< 0.566	1.799	pci/l	425
D-3S	10/16/2025	Radium-226/228	0.983	1.799	pci/l	425
D-3S	02/26/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-3S	10/16/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-3S	02/26/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-3S	10/16/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-4D	02/27/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-4D	10/17/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-4D	02/27/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-4D	10/17/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-4D	02/27/2025	Barium	0.070	0.089	mg/l	7440-39-3
D-4D	10/17/2025	Barium	0.071	0.089	mg/l	7440-39-3
D-4D	02/27/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-4D	10/17/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-4D	02/27/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-4D	10/17/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-4D	02/27/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-4D	10/17/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3

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D-4D	02/27/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-4D	10/17/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-4D	02/27/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-4D	10/17/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-4D	02/27/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-4D	10/17/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-4D	02/27/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-4D	10/17/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-4D	02/27/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-4D	10/17/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-4D	02/27/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-4D	10/17/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-4D	02/27/2025	Radium (226)	< 0.113	0.429	pci/l	13982-63-3
D-4D	10/17/2025	Radium (226)	< 0.390	0.429	pci/l	13982-63-3
D-4D	02/27/2025	Radium 228	< 0.559	1.37	pci/l	15262-20-1
D-4D	10/17/2025	Radium 228	< 0.806	1.37	pci/l	15262-20-1
D-4D	02/27/2025	Radium-226/228	< 0.559	1.799	pci/l	425
D-4D	10/17/2025	Radium-226/228	0.885	1.799	pci/l	425
D-4D	02/27/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-4D	10/17/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-4D	02/27/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-4D	10/17/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-4S	02/27/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-4S	10/17/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-4S	02/27/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-4S	10/17/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-4S	02/27/2025	Barium	0.079	0.089	mg/l	7440-39-3
D-4S	10/17/2025	Barium	0.084	0.089	mg/l	7440-39-3
D-4S	02/27/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-4S	10/17/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-4S	02/27/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-4S	10/17/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-4S	02/27/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-4S	10/17/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-4S	02/27/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-4S	10/17/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-4S	02/27/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-4S	10/17/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-4S	02/27/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-4S	10/17/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-4S	02/27/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-4S	10/17/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-4S	02/27/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-4S	10/17/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-4S	02/27/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-4S	10/17/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-4S	02/27/2025	Radium (226)	0.123	0.429	pci/l	13982-63-3
D-4S	10/17/2025	Radium (226)	< 0.379	0.429	pci/l	13982-63-3
D-4S	02/27/2025	Radium 228	< 0.595	1.37	pci/l	15262-20-1
D-4S	10/17/2025	Radium 228	< 0.628	1.37	pci/l	15262-20-1
D-4S	02/27/2025	Radium-226/228	< 0.595	1.799	pci/l	425
D-4S	10/17/2025	Radium-226/228	0.714	1.799	pci/l	425
D-4S	02/27/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-4S	10/17/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2

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Location	Date	Parameter	Result	Background Threshold Value (BTV)	Units	CAS #
D-4S	02/27/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-4S	10/17/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-5D	02/25/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-5D	10/16/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-5D	02/25/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-5D	10/16/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-5D	02/25/2025	Barium	0.058	0.089	mg/l	7440-39-3
D-5D	10/16/2025	Barium	0.060	0.089	mg/l	7440-39-3
D-5D	02/25/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-5D	10/16/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-5D	02/25/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-5D	10/16/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-5D	02/25/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-5D	10/16/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-5D	02/25/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-5D	10/16/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-5D	02/25/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-5D	10/16/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-5D	02/25/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-5D	10/16/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-5D	02/25/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-5D	10/16/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-5D	02/25/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-5D	10/16/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-5D	02/25/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-5D	10/16/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-5D	02/25/2025	Radium (226)	< 0.107	0.429	pci/l	13982-63-3
D-5D	10/16/2025	Radium (226)	< 0.395	0.429	pci/l	13982-63-3
D-5D	02/25/2025	Radium 228	0.564	1.37	pci/l	15262-20-1
D-5D	10/16/2025	Radium 228	< 0.915	1.37	pci/l	15262-20-1
D-5D	02/25/2025	Radium-226/228	0.626	1.799	pci/l	425
D-5D	10/16/2025	Radium-226/228	< 0.915	1.799	pci/l	425
D-5D	02/25/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-5D	10/16/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-5D	02/25/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-5D	10/16/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-5S2	02/25/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-5S2	10/16/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-5S2	02/25/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-5S2	10/16/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-5S2	02/25/2025	Barium	0.073	0.089	mg/l	7440-39-3
D-5S2	10/16/2025	Barium	0.079	0.089	mg/l	7440-39-3
D-5S2	02/25/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-5S2	10/16/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-5S2	02/25/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-5S2	10/16/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-5S2	02/25/2025	Chromium	0.044	0.052	mg/l	7440-47-3
D-5S2	10/16/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-5S2	02/25/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-5S2	10/16/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-5S2	02/25/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-5S2	10/16/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-5S2	02/25/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-5S2	10/16/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1

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D-5S2	02/25/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-5S2	10/16/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-5S2	02/25/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-5S2	10/16/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-5S2	02/25/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-5S2	10/16/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-5S2	02/25/2025	Radium (226)	< 0.142	0.429	pci/l	13982-63-3
D-5S2	10/16/2025	Radium (226)	< 0.308	0.429	pci/l	13982-63-3
D-5S2	02/25/2025	Radium 228	< 0.549	1.37	pci/l	15262-20-1
D-5S2	10/16/2025	Radium 228	< 0.608	1.37	pci/l	15262-20-1
D-5S2	02/25/2025	Radium-226/228	< 0.549	1.799	pci/l	425
D-5S2	10/16/2025	Radium-226/228	< 0.608	1.799	pci/l	425
D-5S2	02/25/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-5S2	10/16/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-5S2	02/25/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-5S2	10/16/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-8	02/27/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-8	10/17/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-8	02/27/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-8	10/17/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-8	02/27/2025	Barium	0.067	0.089	mg/l	7440-39-3
D-8	10/17/2025	Barium	0.076	0.089	mg/l	7440-39-3
D-8	02/27/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-8	10/17/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-8	02/27/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-8	10/17/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-8	02/27/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-8	10/17/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-8	02/27/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-8	10/17/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-8	02/27/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-8	10/17/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-8	02/27/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-8	10/17/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-8	02/27/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-8	10/17/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-8	02/27/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-8	10/17/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-8	02/27/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-8	10/17/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-8	02/27/2025	Radium (226)	< 0.135	0.429	pci/l	13982-63-3
D-8	10/17/2025	Radium (226)	0.567	0.429	pci/l	13982-63-3
D-8	02/27/2025	Radium 228	< 0.588	1.37	pci/l	15262-20-1
D-8	10/17/2025	Radium 228	< 0.703	1.37	pci/l	15262-20-1
D-8	02/27/2025	Radium-226/228	< 0.588	1.799	pci/l	425
D-8	10/17/2025	Radium-226/228	1.14	1.799	pci/l	425
D-8	02/27/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-8	10/17/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-8	02/27/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-8	10/17/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-9	02/27/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-9	10/17/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
D-9	02/27/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
D-9	10/17/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2

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D-9	02/27/2025	Barium	0.086	0.089	mg/l	7440-39-3
D-9	10/17/2025	Barium	0.089	0.089	mg/l	7440-39-3
D-9	02/27/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-9	10/17/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
D-9	02/27/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-9	10/17/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
D-9	02/27/2025	Chromium	0.0064	0.052	mg/l	7440-47-3
D-9	10/17/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
D-9	02/27/2025	Cobalt	0.00063	0.00069	mg/l	7440-48-4
D-9	10/17/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
D-9	02/27/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-9	10/17/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
D-9	02/27/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-9	10/17/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
D-9	02/27/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-9	10/17/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
D-9	02/27/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-9	10/17/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
D-9	02/27/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-9	10/17/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
D-9	02/27/2025	Radium (226)	< 0.152	0.429	pci/l	13982-63-3
D-9	10/17/2025	Radium (226)	< 0.317	0.429	pci/l	13982-63-3
D-9	02/27/2025	Radium 228	< 0.692	1.37	pci/l	15262-20-1
D-9	10/17/2025	Radium 228	1.14	1.37	pci/l	15262-20-1
D-9	02/27/2025	Radium-226/228	< 0.692	1.799	pci/l	425
D-9	10/17/2025	Radium-226/228	1.11	1.799	pci/l	425
D-9	02/27/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-9	10/17/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
D-9	02/27/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
D-9	10/17/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
U-4D	02/25/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
U-4D	10/15/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
U-4D	02/25/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
U-4D	10/15/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
U-4D	02/25/2025	Barium	0.044	0.089	mg/l	7440-39-3
U-4D	10/15/2025	Barium	0.043	0.089	mg/l	7440-39-3
U-4D	02/25/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
U-4D	10/15/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
U-4D	02/25/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
U-4D	10/15/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
U-4D	02/25/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
U-4D	10/15/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
U-4D	02/25/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
U-4D	10/15/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
U-4D	02/25/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
U-4D	10/15/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
U-4D	02/25/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
U-4D	10/15/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
U-4D	02/25/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
U-4D	10/15/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
U-4D	02/25/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
U-4D	10/15/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
U-4D	02/25/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
U-4D	10/15/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7

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U-4D	02/25/2025	Radium (226)	< 0.152	0.429	pci/l	13982-63-3
U-4D	10/15/2025	Radium (226)	< 0.365	0.429	pci/l	13982-63-3
U-4D	02/25/2025	Radium 228	< 0.539	1.37	pci/l	15262-20-1
U-4D	10/15/2025	Radium 228	< 0.673	1.37	pci/l	15262-20-1
U-4D	02/25/2025	Radium-226/228	< 0.539	1.799	pci/l	425
U-4D	10/15/2025	Radium-226/228	< 0.673	1.799	pci/l	425
U-4D	02/25/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
U-4D	10/15/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
U-4D	02/25/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
U-4D	10/15/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
U-4S	02/25/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
U-4S	10/15/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
U-4S	02/25/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
U-4S	10/15/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
U-4S	02/25/2025	Barium	0.043	0.089	mg/l	7440-39-3
U-4S	10/15/2025	Barium	0.036	0.089	mg/l	7440-39-3
U-4S	02/25/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
U-4S	10/15/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
U-4S	02/25/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
U-4S	10/15/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
U-4S	02/25/2025	Chromium	0.028	0.052	mg/l	7440-47-3
U-4S	10/15/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
U-4S	02/25/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
U-4S	10/15/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
U-4S	02/25/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
U-4S	10/15/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
U-4S	02/25/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
U-4S	10/15/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
U-4S	02/25/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
U-4S	10/15/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
U-4S	02/25/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
U-4S	10/15/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
U-4S	02/25/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
U-4S	10/15/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
U-4S	02/25/2025	Radium (226)	< 0.180	0.429	pci/l	13982-63-3
U-4S	10/15/2025	Radium (226)	< 0.337	0.429	pci/l	13982-63-3
U-4S	02/25/2025	Radium 228	< 0.632	1.37	pci/l	15262-20-1
U-4S	10/15/2025	Radium 228	< 0.556	1.37	pci/l	15262-20-1
U-4S	02/25/2025	Radium-226/228	< 0.632	1.799	pci/l	425
U-4S	10/15/2025	Radium-226/228	0.828	1.799	pci/l	425
U-4S	02/25/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
U-4S	10/15/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
U-4S	02/25/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
U-4S	10/15/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
U-5D	02/25/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
U-5D	10/15/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
U-5D	02/25/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
U-5D	10/15/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
U-5D	02/25/2025	Barium	0.053	0.089	mg/l	7440-39-3
U-5D	10/15/2025	Barium	0.058	0.089	mg/l	7440-39-3
U-5D	02/25/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
U-5D	10/15/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
U-5D	02/25/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
U-5D	10/15/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9

Table 3
Groundwater Analytical Data
Appendix IV



Location	Date	Parameter	Result	Background Threshold Value (BTV)	Units	CAS #
U-5D	02/25/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
U-5D	10/15/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
U-5D	02/25/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
U-5D	10/15/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
U-5D	02/25/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
U-5D	10/15/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
U-5D	02/25/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
U-5D	10/15/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
U-5D	02/25/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
U-5D	10/15/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
U-5D	02/25/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
U-5D	10/15/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
U-5D	02/25/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
U-5D	10/15/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
U-5D	02/25/2025	Radium (226)	< 0.155	0.429	pci/l	13982-63-3
U-5D	10/15/2025	Radium (226)	< 0.330	0.429	pci/l	13982-63-3
U-5D	02/25/2025	Radium 228	< 0.587	1.37	pci/l	15262-20-1
U-5D	10/15/2025	Radium 228	1.07	1.37	pci/l	15262-20-1
U-5D	02/25/2025	Radium-226/228	< 0.587	1.799	pci/l	425
U-5D	10/15/2025	Radium-226/228	1.32	1.799	pci/l	425
U-5D	02/25/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
U-5D	10/15/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
U-5D	02/25/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
U-5D	10/15/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
U-5S	02/25/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
U-5S	10/15/2025	Antimony	< 0.0020	0.002	mg/l	7440-36-0
U-5S	02/25/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
U-5S	10/15/2025	Arsenic	< 0.0020	0.002	mg/l	7440-38-2
U-5S	02/25/2025	Barium	0.063	0.089	mg/l	7440-39-3
U-5S	10/15/2025	Barium	0.066	0.089	mg/l	7440-39-3
U-5S	02/25/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
U-5S	10/15/2025	Beryllium	< 0.0010	0.001	mg/l	7440-41-7
U-5S	02/25/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
U-5S	10/15/2025	Cadmium	< 0.00020	0.001	mg/l	7440-43-9
U-5S	02/25/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
U-5S	10/15/2025	Chromium	< 0.0050	0.052	mg/l	7440-47-3
U-5S	02/25/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
U-5S	10/15/2025	Cobalt	< 0.00050	0.00069	mg/l	7440-48-4
U-5S	02/25/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
U-5S	10/15/2025	Fluoride	< 1.0	0.163	mg/l	16984-48-8
U-5S	02/25/2025	Lead	0.0021	0.0023	mg/l	7439-92-1
U-5S	10/15/2025	Lead	< 0.00050	0.0023	mg/l	7439-92-1
U-5S	02/25/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
U-5S	10/15/2025	Lithium	< 0.010	0.03	mg/l	7439-93-2
U-5S	02/25/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
U-5S	10/15/2025	Mercury	< 0.00020	0.0002	mg/l	7439-97-6
U-5S	02/25/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
U-5S	10/15/2025	MOLYBDENUM	< 0.0020	0.0026	mg/l	7439-98-7
U-5S	02/25/2025	Radium (226)	< 0.158	0.429	pci/l	13982-63-3
U-5S	10/15/2025	Radium (226)	< 0.337	0.429	pci/l	13982-63-3
U-5S	02/25/2025	Radium 228	0.835	1.37	pci/l	15262-20-1
U-5S	10/15/2025	Radium 228	0.821	1.37	pci/l	15262-20-1
U-5S	02/25/2025	Radium-226/228	0.882	1.799	pci/l	425
U-5S	10/15/2025	Radium-226/228	1.11	1.799	pci/l	425

Table 3
Groundwater Analytical Data
Appendix IV



Location	Date	Parameter	Result	Background Threshold Value (BTV)	Units	CAS #
U-5S	02/25/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
U-5S	10/15/2025	Selenium	< 0.0050	0.005	mg/l	7782-49-2
U-5S	02/25/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0
U-5S	10/15/2025	Thallium	< 0.0010	0.008	mg/l	7440-28-0

Results in milligrams per liter (mg/l) or picocuries per liter (pci/l)

Bold = Indicates concentration above Background Threshold Value

Table 4



Well Stabilization Data

Well ID	Measurement Date	Purge Rate (ml/min)	Purge Volume (gallons)	Field pH	Field Specific Conductivity (umhos/cm)	Field Temp (°C)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)
D-1D	2/26/25 10:15 AM	1000	0.1	7.66	791	12.46	0.00	6.2	145
D-1D	2/26/25 10:45 AM	1000	10.0	7.68	790	12.46	0.00	6.0	145
D-1D	2/26/25 11:15 AM	1000	20.0	7.65	773	12.70	0.00	8.9	160
D-1D	2/26/25 11:50 AM	1000	34.0	7.66	762	12.78	0.00	10.1	169
D-1D	2/26/25 11:55 AM			7.70	763	12.65	0.00	9.7	168
D-1D	10/16/25 11:10 AM	1000	0.1	8.31	801	12.40	5.41	11.8	118
D-1D	10/16/25 11:25 AM	1000	10.0	8.33	800	12.42	5.44	11.4	118
D-1D	10/16/25 11:40 AM	1000	20.0	8.30	799	12.41	5.36	11.3	125
D-1D	10/16/25 11:55 AM	1000	30.0	8.28	799	12.40	5.31	11.1	128
D-1D	10/16/25 12:05 PM	1000	34.0	8.31	799	12.41	5.30	11.2	127
D-1D	10/16/25 12:10 PM			8.29	799	12.39	5.31	11.1	128
D-1S	2/26/25 10:15 AM	1000	0.1	8.10	650	11.87	0.00	9.6	134
D-1S	2/26/25 10:20 AM	1000	3.0	7.55	797	12.72	0.00	6.3	133
D-1S	2/26/25 10:25 AM	1000	6.0	7.49	812	12.79	0.00	6.1	132
D-1S	2/26/25 10:30 AM	1000	10.0	7.60	815	12.81	0.00	5.9	136
D-1S	2/26/25 10:35 AM			7.40	815	12.83	0.00	5.6	126
D-1S	10/16/25 11:10 AM	1000	0.1	8.52	790	12.75	4.98	14.0	101
D-1S	10/16/25 11:20 AM	1000	3.5	8.29	832	12.88	0.26	11.8	110
D-1S	10/16/25 11:30 AM	1000	7.0	8.21	846	12.90	0.04	12.1	112
D-1S	10/16/25 11:40 AM	1000	10.5	8.18	849	12.90	0.00	11.0	113
D-1S	10/16/25 11:45 AM			8.19	849	12.91	0.00	11.8	112
D-2D	2/26/25 12:15 PM	1000	0.1	7.71	805	10.54	0.83	3.8	160
D-2D	2/26/25 12:28 PM	1000	7.5	7.61	805	10.53	0.96	3.9	163
D-2D	2/26/25 12:40 PM	1000	15.0	7.60	803	10.63	1.08	4.0	162
D-2D	2/26/25 12:58 PM	1000	23.0	7.61	804	10.63	1.04	3.8	161
D-2D	2/26/25 1:00 PM			7.74	805	10.56	0.72	3.9	174
D-2D	10/16/25 1:10 PM	1000	0.1	8.58	804	10.79	8.49	13.5	125
D-2D	10/16/25 1:25 PM	1000	10.0	8.40	800	10.65	8.28	13.6	129
D-2D	10/16/25 1:40 PM	1000	20.0	8.41	804	10.53	8.34	13.3	133
D-2D	10/16/25 1:55 PM	1000	23.5	8.41	804	10.51	8.31	13.2	133
D-2D	10/16/25 2:00 PM			8.40	804	10.53	8.30	13.4	132
D-2S	2/26/25 12:15 PM	1000	0.1	7.81	826	11.08	0.00	14.7	185
D-2S	2/26/25 12:25 PM	1000	4.0	7.46	824	10.86	0.00	11.1	169
D-2S	2/26/25 12:35 PM	1000	8.0	7.48	814	10.84	0.00	7.4	150
D-2S	2/26/25 12:45 PM	1000	11.0	7.52	814	10.82	0.00	6.1	149
D-2S	2/26/25 12:50 PM			7.49	820	10.82	0.00	6.5	143
D-2S	10/16/25 1:10 PM	1000	0.1	8.32	825	11.98	10.88	14.4	130
D-2S	10/16/25 1:20 PM	1000	4.0	8.20	840	11.26	9.63	12.0	132
D-2S	10/16/25 1:30 PM	1000	8.0	8.23	829	11.23	10.77	13.1	116
D-2S	10/16/25 1:40 PM	1000	11.5	8.20	839	11.25	10.89	13.2	108
D-2S	10/16/25 1:45 PM			8.20	844	11.26	10.21	13.2	107
D-3D	2/26/25 8:55 AM	1000	0.1	7.58	960	11.18	0.00	13.1	84
D-3D	2/26/25 9:10 AM	1000	6.0	7.60	948	11.20	0.00	14.5	86
D-3D	2/26/25 9:25 AM	1000	12.0	7.64	969	11.19	0.00	18.4	81
D-3D	2/26/25 9:40 AM	1000	18.5	7.58	968	11.19	0.00	18.3	79
D-3D	2/26/25 9:45 AM			7.57	966	11.19	0.00	30.9	83
D-3D	10/16/25 9:45 AM	1000	0.1	8.32	998	11.21	10.75	24.2	64
D-3D	10/16/25 10:00 AM	1000	6.0	8.31	1000	11.18	10.53	27.4	66
D-3D	10/16/25 10:15 AM	1000	12.0	8.27	1020	11.19	10.72	24.5	65
D-3D	10/16/25 10:30 AM	1000	19.0	8.26	1020	11.19	10.81	23.2	65
D-3D	10/16/25 10:35 AM			8.28	1000	11.18	10.51	27.7	64
D-3S	2/26/25 8:55 AM	1000	0.1	7.77	2530	11.02	0.00	1000	38
D-3S	2/26/25 9:05 AM	1000	4.0	7.44	2700	11.39	0.00	227	19
D-3S	2/26/25 9:15 AM	1000	8.0	7.44	2700	11.43	0.00	76.7	33
D-3S	2/26/25 9:25 AM	1000	11.5	7.46	2680	11.47	0.00	49.2	36
D-3S	2/26/25 9:30 AM			7.44	2680	11.49	0.00	60.7	38
D-3S	10/16/25 9:45 AM	1000	0.1	7.92	2440	12.90	6.11	648	157
D-3S	10/16/25 9:55 AM	1000	4.0	8.07	2040	11.51	1.77	488	-2
D-3S	10/16/25 10:05 AM	1000	8.0	8.08	2040	11.44	1.75	257	14
D-3S	10/16/25 10:15 AM	1000	12.0	8.10	2030	11.42	1.72	173	16
D-3S	10/16/25 10:20 AM			8.10	2030	11.42	1.72	173	16

Table 4



Well Stabilization Data

Well ID	Measurement Date	Purge Rate (ml/min)	Purge Volume (gallons)	Field pH	Field Specific Conductivity (umhos/cm)	Field Temp (°C)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)
D-4D	2/27/25 9:00 AM	1000	0.1	7.59	874	12.19	1.01	9.5	280
D-4D	2/27/25 9:10 AM	1000	4.0	7.59	880	12.22	0.00	6.6	282
D-4D	2/27/25 9:20 AM	1000	8.0	7.62	880	12.19	0.00	3.5	269
D-4D	2/27/25 9:30 AM	1000	12.0	7.56	882	12.21	0.00	3.7	269
D-4D	2/27/25 9:35 AM			7.63	874	12.22	0.27	4.2	271
D-4D	10/17/25 8:35 AM	1000	0.1	8.20	888	12.26	6.10	18.3	167
D-4D	10/17/25 8:45 AM	1000	5.0	8.21	886	12.26	6.09	18.6	157
D-4D	10/17/25 8:55 AM	1000	10.0	8.21	882	12.26	6.09	19.7	154
D-4D	10/17/25 9:05 AM	1000	13.5	8.20	883	12.25	6.14	20.0	145
D-4D	10/17/25 9:10 AM			8.21	882	12.25	6.16	20.0	146
D-4S	2/27/25 9:00 AM	1000	0.1	7.79	971	11.88	0.37	23.1	279
D-4S	2/27/25 9:05 AM	1000	1.5	7.62	901	12.22	0.00	27.0	283
D-4S	2/27/25 9:10 AM	1000	3.0	7.58	901	12.25	0.00	25.7	283
D-4S	2/27/25 9:15 AM	1000	4.0	7.54	901	12.18	0.00	25.8	282
D-4S	2/27/25 9:20 AM			7.60	900	12.27	0.00	24.3	286
D-4S	10/17/25 8:35 AM	1000	0.1	8.22	987	14.68	6.07	12.8	192
D-4S	10/17/25 8:40 AM	1000	1.5	8.26	911	12.60	5.86	11.9	194
D-4S	10/17/25 8:45 AM	1000	3.0	8.19	912	12.45	6.19	11.7	204
D-4S	10/17/25 8:50 AM	1000	4.0	8.16	911	12.45	5.65	11.6	202
D-4S	10/17/25 8:55 AM			8.21	911	12.44	5.62	11.7	203
D-5D	2/25/25 2:10 PM	1000	0.1	7.54	921	11.02	0.00	2.9	197
D-5D	2/25/25 2:30 PM	1000	6.5	7.56	928	11.04	0.00	2.0	194
D-5D	2/25/25 2:50 PM	1000	13.0	7.55	927	11.08	0.00	1.8	197
D-5D	2/25/25 3:10 PM	1000	20.0	7.52	927	11.09	0.00	1.7	192
D-5D	2/25/25 3:15 PM			7.54	926	11.08	0.00	1.5	192
D-5D	10/16/25 8:35 AM	1000	0.1	8.32	923	10.85	11.25	10.5	143
D-5D	10/16/25 8:50 AM	1000	7.0	8.28	919	10.85	11.21	10.7	146
D-5D	10/16/25 9:05 AM	1000	14.0	8.28	930	10.82	11.13	10.4	147
D-5D	10/16/25 9:20 AM	1000	20.0	8.30	929	10.85	11.12	10.9	148
D-5D	10/16/25 9:25 AM			8.31	911	10.83	11.20	10.5	149
D-5S2	2/25/25 2:10 PM	1000	0.1	7.61	1130	11.32	0.00	127	202
D-5S2	2/25/25 2:15 PM	1000	3.0	7.45	1140	11.33	0.00	9.7	202
D-5S2	2/25/25 2:20 PM	1000	6.0	7.42	1150	11.31	0.00	4.6	202
D-5S2	2/25/25 2:30 PM	1000	10.0	7.52	1150	11.33	0.00	3.3	206
D-5S2	2/25/25 2:35 PM			7.47	1150	11.40	0.00	3.3	197
D-5S2	10/16/25 8:35 AM	1000	0.1	8.37	1170	11.26	7.63	93.8	123
D-5S2	10/16/25 8:45 AM	1000	3.0	8.24	1130	11.13	93.00	14.4	134
D-5S2	10/16/25 8:55 AM	1000	6.0	8.24	1130	11.04	4.58	10.6	141
D-5S2	10/16/25 9:05 AM	1000	10.0	8.20	1130	11.04	4.50	10.5	144
D-5S2	10/16/25 9:10 AM			8.18	1130	11.03	4.47	10.2	145
D-8	2/27/25 10:20 AM	1000	0.1	7.78	806	10.87	9.92	11.4	258
D-8	2/27/25 10:25 AM	1000	3.5	7.75	810	10.80	16.74	27.6	269
D-8	2/27/25 10:30 AM	1000	7.0	7.82	815	10.81	16.23	51.2	254
D-8	2/27/25 10:35 AM	1000	10.5	7.70	811	10.81	17.97	64.6	224
D-8	2/27/25 10:40 AM			7.73	815	10.80	17.82	60.6	215
D-8	10/17/25 10:50 AM	1000	0.1	8.39	671	12.87	9.34	13.5	155
D-8	10/17/25 11:00 AM	1000	4.0	8.52	831	11.21	10.25	62.0	159
D-8	10/17/25 11:10 AM	1000	8.0	8.50	820	11.17	11.14	103	152
D-8	10/17/25 11:20 AM	1000	11.5	8.45	825	11.12	11.21	222	149
D-8	10/17/25 11:25 AM			8.44	825	11.12	11.29	239	147
D-9	2/27/25 11:00 AM	1000	0.1	7.78	818	12.42	0.52	10.5	215
D-9	2/27/25 11:10 AM	1000	2.5	7.34	906	11.70	0.00	45.0	-42
D-9	2/27/25 11:20 AM	1000	5.0	7.50	903	4.00	0.00	29.5	0
D-9	2/27/25 11:30 AM	1000	8.0	7.36	908	11.79	0.00	20.1	29
D-9	2/27/25 11:35 AM			7.50	908	11.79	0.00	21.6	28
D-9	10/17/25 11:45 AM	1000	0.1	8.44	810	16.14	7.85	22.7	158
D-9	10/17/25 11:55 AM	1000	3.0	8.02	969	12.80	2.06	25.0	-85
D-9	10/17/25 12:05 PM	1000	6.0	8.04	959	12.75	2.67	26.5	-64
D-9	10/17/25 12:15 PM	1000	9.0	8.00	966	12.86	3.46	23.7	-37
D-9	10/17/25 12:20 PM			8.02	969	12.72	3.35	23.8	-31

Table 4
Well Stabilization Data



Well ID	Measurement Date	Purge Rate (ml/min)	Purge Volume (gallons)	Field pH	Field Specific Conductivity (umhos/cm)	Field Temp (°C)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)
U-4D	2/25/25 10:25 AM	1000	0.1	7.33	800	10.30	2.86	5.7	181
U-4D	2/25/25 10:45 AM	1000	10.0	7.42	797	10.25	2.13	3.2	180
U-4D	2/25/25 11:05 AM	1000	20.0	7.50	798	10.22	1.87	3.6	175
U-4D	2/25/25 11:25 AM	1000	33.5	7.35	798	10.22	2.25	4.2	157
U-4D	2/25/25 11:30 AM			7.57	796	10.25	1.81	4.2	169
U-4D	10/15/25 10:50 AM	1000	0.1	8.38	795	10.39	9.15	14.2	111
U-4D	10/15/25 11:10 AM	1000	10.0	8.40	800	10.62	9.14	12.1	110
U-4D	10/15/25 11:30 AM	1000	20.0	8.37	801	10.53	9.13	11.2	109
U-4D	10/15/25 11:50 AM	1000	30.0	8.38	796	10.40	9.12	6.4	111
U-4D	10/15/25 11:55 AM	1000	34.0	8.37	799	10.37	8.96	4.6	111
U-4D	10/15/25 12:00 PM			8.37	800	10.36	8.99	4.4	110
U-4S	2/25/25 10:25 AM	1000	0.1	7.32	842	12.58	1.26	8.3	161
U-4S	2/25/25 10:30 AM	1000	3.5	7.21	841	12.60	0.00	6.8	174
U-4S	2/25/25 10:35 AM	1000	7.0	7.11	839	12.63	0.00	2.6	186
U-4S	2/25/25 10:40 AM	1000	10.5	7.08	838	12.64	0.00	2.4	189
U-4S	2/25/25 10:45 AM			7.09	857	12.64	0.00	2.3	188
U-4S	10/15/25 10:50 AM	1000	0.1	8.44	763	11.03	1.04	13.2	88
U-4S	10/15/25 10:55 AM	1000	4.0	8.31	763	11.02	0.41	11.9	95
U-4S	10/15/25 11:00 AM	1000	8.0	8.21	763	11.02	0.39	11.5	103
U-4S	10/15/25 11:05 AM	1000	12.0	8.13	762	11.01	0.00	11.3	108
U-4S	10/15/25 11:10 AM			8.12	762	11.01	0.00	11.2	108
U-5D	2/25/25 12:15 PM	1000	0.1	7.69	780	10.59	0.00	5.0	188
U-5D	2/25/25 12:30 PM	1000	10.0	7.72	778	10.61	0.00	4.5	190
U-5D	2/25/25 12:45 PM	1000	20.0	7.71	779	10.58	0.00	4.2	190
U-5D	2/25/25 1:00 PM	1000	33.5	7.71	778	10.59	0.00	4.4	190
U-5D	2/25/25 1:05 PM			7.72	778	10.60	0.00	4.6	191
U-5D	10/15/25 2:00 PM	1000	0.1	8.48	780	10.22	7.47	14.4	125
U-5D	10/15/25 2:20 PM	1000	10.0	8.48	780	10.22	7.35	14.5	125
U-5D	10/15/25 2:40 PM	1000	20.0	8.48	780	10.22	7.21	14.3	125
U-5D	10/15/25 3:00 PM	1000	30.0	8.49	780	10.22	7.12	14.6	124
U-5D	10/15/25 3:05 PM	1000	34.0	8.49	780	10.21	7.16	14.5	124
U-5D	10/15/25 3:10 PM			8.49	780	10.22	7.32	14.5	124
U-5S	2/25/25 12:25 PM	1000	0.1	7.73	841	11.60	1.75	130.0	188
U-5S	2/25/25 12:30 PM	1000	2.5	7.46	832	11.48	3.55	23.1	193
U-5S	2/25/25 12:35 PM	1000	5.0	7.42	837	11.54	0.49	6.5	192
U-5S	2/25/25 12:40 PM	1000	7.0	7.42	838	11.55	0.47	6.9	191
U-5S	2/25/25 12:45 PM			7.41	835	11.55	0.00	5.7	191
U-5S	10/15/25 2:00 PM	1000	0.1	8.45	792	13.61	10.51	138.0	112
U-5S	10/15/25 2:05 PM	1000	2.5	8.25	838	11.22	9.38	6.5	133
U-5S	10/15/25 2:10 PM	1000	5.0	8.22	828	11.26	6.71	11.2	148
U-5S	10/15/25 2:15 PM	1000	8.0	8.12	834	11.29	7.67	11.7	156
U-5S	10/15/25 2:20 PM			8.16	832	11.29	7.10	12.1	156

Notes:

ml/min milliliters per minute
umhos/cm micromhos per centimeter
°C degrees Celsius
mg/L milligrams per Liter

NTU Nephelometric Turbidity Units
ORP oxidation-reduction potential
mV millivolts

Table 5



Background Threshold Values

Appendix III to Part 257

Parameter	Background Threshold Value (BTV)	Units	CAS #
Boron	0.33	mg/l	7440-42-8
Calcium	150.3	mg/l	7440-70-2
Chloride	100.5	mg/l	16887-00-6
Fluoride	0.5	mg/l	15984-48-8
pH	7.1 < 8.1	pH UNITS	PH
Sulfate as SO ₄	70.6	mg/l	14808-79-8
Total Dissolved Solids	673	mg/l	TDS

Appendix IV to Part 257

Parameter	Background Threshold Value (BTV)	Units	CAS #
Antimony	0.002	mg/l	7440-36-0
Arsenic	0.002	mg/l	7440-38-2
Barium	0.089	mg/l	7440-39-3
Beryllium	0.001	mg/l	7440-41-7
Cadmium	0.001	mg/l	7440-43-9
Chromium	0.052	mg/l	7440-47-3
Cobalt	0.00069	mg/l	7440-48-4
Fluoride	0.163	mg/l	15984-48-8
Lead	0.0023	mg/l	7439-92-1
Lithium	0.03	mg/l	7439-93-2
Mercury	0.0002	mg/l	7439-97-6
Molybdenum	0.0026	mg/l	7439-98-7
Radium 226	0.429	pci/l	13982-63-3
Radium 228	1.37	pci/l	15262-20-1
Total Radium 226/228	1.799	pci/l	425
Selenium	0.005	mg/l	7782-49-2
Thallium	0.008	mg/l	7440-28-0

Values are in milligrams per liter (mg/l) or picocuries per liter (pci/l)

Table 6

2025 Groundwater Protection Standards



Appendix IV to Part 257

Parameter	Background Threshold Value (BTV)	EPA Maximum Contaminate Level (MCL)	Groundwater Protection Standard (GPS)	Units	CAS #
Antimony	0.002	0.006	0.006	mg/l	7440-36-0
Arsenic	0.002	0.010	0.010	mg/l	7440-38-2
Barium	0.089	2	2	mg/l	7440-39-3
Beryllium	0.001	0.004	0.004	mg/l	7440-41-7
Cadmium	0.002	0.005	0.005	mg/l	7440-43-9
Chromium	0.052	0.1	0.1	mg/l	7440-47-3
Cobalt	0.00069	0.006	0.006	mg/l	7440-48-4
Fluoride	0.163	4	4	mg/l	15984-48-8
Lead	0.0023	0.015	0.015	mg/l	7439-92-1
Lithium	0.03	0.04	0.04	mg/l	7439-93-2
Mercury	0.0002	0.002	0.002	mg/l	7439-97-6
Molybdenum	0.0026	0.1	0.1	mg/l	7439-98-7
Radium 226	0.429	--	--	pci/l	13982-63-3
Radium 228	1.37	--	--	pci/l	15262-20-1
Radium 226/228	1.799	5	5	pci/l	EDF-206
Selenium	0.005	0.05	0.05	mg/l	7782-49-2
Thallium	0.008	0.002	0.002	mg/l	7440-28-0

Results in milligrams per liter (mg/l) or pecocuries per liter (pci/l)

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
D-1D	02/26/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-1D	10/16/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-1D	02/26/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-1D	10/16/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-1D	02/26/2025	Barium	0.048	2	mg/l	7440-39-3
D-1D	10/16/2025	Barium	0.053	2	mg/l	7440-39-3
D-1D	02/26/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-1D	10/16/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-1D	02/26/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-1D	10/16/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-1D	02/26/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-1D	10/16/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-1D	02/26/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-1D	10/16/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-1D	02/26/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-1D	10/16/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-1D	02/26/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-1D	10/16/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-1D	02/26/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-1D	10/16/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-1D	02/26/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-1D	10/16/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-1D	02/26/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-1D	10/16/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-1D	02/26/2025	Radium (226)	< 0.104	--	pci/l	13982-63-3
D-1D	10/16/2025	Radium (226)	< 0.357	--	pci/l	13982-63-3
D-1D	02/26/2025	Radium 228	< 0.643	--	pci/l	15262-20-1
D-1D	10/16/2025	Radium 228	1.33	--	pci/l	15262-20-1
D-1D	02/26/2025	Radium-226/228	< 0.643	5	pci/l	425
D-1D	10/16/2025	Radium-226/228	1.54	5	pci/l	425
D-1D	02/26/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-1D	10/16/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-1D	02/26/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-1D	10/16/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-1S	02/26/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-1S	10/16/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-1S	02/26/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-1S	10/16/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-1S	02/26/2025	Barium	0.043	2	mg/l	7440-39-3
D-1S	10/16/2025	Barium	0.050	2	mg/l	7440-39-3
D-1S	02/26/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-1S	10/16/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-1S	02/26/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-1S	10/16/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-1S	02/26/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-1S	10/16/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-1S	02/26/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-1S	10/16/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-1S	02/26/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-1S	10/16/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-1S	02/26/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-1S	10/16/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-1S	02/26/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-1S	10/16/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
D-1S	02/26/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-1S	10/16/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-1S	02/26/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-1S	10/16/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-1S	02/26/2025	Radium (226)	< 0.169	--	pci/l	13982-63-3
D-1S	10/16/2025	Radium (226)	< 0.392	--	pci/l	13982-63-3
D-1S	02/26/2025	Radium 228	< 0.626	--	pci/l	15262-20-1
D-1S	10/16/2025	Radium 228	0.956	--	pci/l	15262-20-1
D-1S	02/26/2025	Radium-226/228	< 0.626	5	pci/l	425
D-1S	10/16/2025	Radium-226/228	1.21	5	pci/l	425
D-1S	02/26/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-1S	10/16/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-1S	02/26/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-1S	10/16/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-2D	02/26/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-2D	10/16/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-2D	02/26/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-2D	10/16/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-2D	02/26/2025	Barium	0.051	2	mg/l	7440-39-3
D-2D	10/16/2025	Barium	0.055	2	mg/l	7440-39-3
D-2D	02/26/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-2D	10/16/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-2D	02/26/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-2D	10/16/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-2D	02/26/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-2D	10/16/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-2D	02/26/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-2D	10/16/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-2D	02/26/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-2D	10/16/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-2D	02/26/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-2D	10/16/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-2D	02/26/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-2D	10/16/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-2D	02/26/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-2D	10/16/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-2D	02/26/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-2D	10/16/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-2D	02/26/2025	Radium (226)	< 0.133	--	pci/l	13982-63-3
D-2D	10/16/2025	Radium (226)	0.606	--	pci/l	13982-63-3
D-2D	02/26/2025	Radium 228	< 0.503	--	pci/l	15262-20-1
D-2D	10/16/2025	Radium 228	< 0.965	--	pci/l	15262-20-1
D-2D	02/26/2025	Radium-226/228	< 0.503	5	pci/l	425
D-2D	10/16/2025	Radium-226/228	< 0.965	5	pci/l	425
D-2D	02/26/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-2D	10/16/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-2D	02/26/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-2D	10/16/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-2S	02/26/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-2S	10/16/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-2S	02/26/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-2S	10/16/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-2S	02/26/2025	Barium	0.044	2	mg/l	7440-39-3
D-2S	10/16/2025	Barium	0.047	2	mg/l	7440-39-3

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
D-2S	02/26/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-2S	10/16/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-2S	02/26/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-2S	10/16/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-2S	02/26/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-2S	10/16/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-2S	02/26/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-2S	10/16/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-2S	02/26/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-2S	10/16/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-2S	02/26/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-2S	10/16/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-2S	02/26/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-2S	10/16/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-2S	02/26/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-2S	10/16/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-2S	02/26/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-2S	10/16/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-2S	02/26/2025	Radium (226)	< 0.177	--	pci/l	13982-63-3
D-2S	10/16/2025	Radium (226)	0.429	--	pci/l	13982-63-3
D-2S	02/26/2025	Radium 228	< 0.567	--	pci/l	15262-20-1
D-2S	10/16/2025	Radium 228	< 0.626	--	pci/l	15262-20-1
D-2S	02/26/2025	Radium-226/228	< 0.567	5	pci/l	425
D-2S	10/16/2025	Radium-226/228	0.779	5	pci/l	425
D-2S	02/26/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-2S	10/16/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-2S	02/26/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-2S	10/16/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-3D	02/26/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-3D	10/16/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-3D	02/26/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-3D	10/16/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-3D	02/26/2025	Barium	0.071	2	mg/l	7440-39-3
D-3D	10/16/2025	Barium	0.066	2	mg/l	7440-39-3
D-3D	02/26/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-3D	10/16/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-3D	02/26/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-3D	10/16/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-3D	02/26/2025	Chromium	0.43	0.1	mg/l	7440-47-3
D-3D	10/16/2025	Chromium	0.15	0.1	mg/l	7440-47-3
D-3D	02/26/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-3D	10/16/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-3D	02/26/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-3D	10/16/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-3D	02/26/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-3D	10/16/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-3D	02/26/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-3D	10/16/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-3D	02/26/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-3D	10/16/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-3D	02/26/2025	MOLYBDENUM	0.0026	0.1	mg/l	7439-98-7
D-3D	10/16/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-3D	02/26/2025	Radium (226)	0.214	--	pci/l	13982-63-3
D-3D	10/16/2025	Radium (226)	0.797	--	pci/l	13982-63-3

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
D-3D	02/26/2025	Radium 228	< 0.502	--	pci/l	15262-20-1
D-3D	10/16/2025	Radium 228	< 0.664	--	pci/l	15262-20-1
D-3D	02/26/2025	Radium-226/228	0.595	5	pci/l	425
D-3D	10/16/2025	Radium-226/228	1.34	5	pci/l	425
D-3D	02/26/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-3D	10/16/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-3D	02/26/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-3D	10/16/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-3S	02/26/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-3S	10/16/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-3S	02/26/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-3S	10/16/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-3S	02/26/2025	Barium	0.17	2	mg/l	7440-39-3
D-3S	10/16/2025	Barium	0.14	2	mg/l	7440-39-3
D-3S	02/26/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-3S	10/16/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-3S	02/26/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-3S	10/16/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-3S	02/26/2025	Chromium	1.9	0.1	mg/l	7440-47-3
D-3S	10/16/2025	Chromium	0.14	0.1	mg/l	7440-47-3
D-3S	02/26/2025	Cobalt	0.0022	0.006	mg/l	7440-48-4
D-3S	10/16/2025	Cobalt	0.00056	0.006	mg/l	7440-48-4
D-3S	02/26/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-3S	10/16/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-3S	02/26/2025	Lead	0.00056	0.015	mg/l	7439-92-1
D-3S	10/16/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-3S	02/26/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-3S	10/16/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-3S	02/26/2025	Mercury	0.00021	0.002	mg/l	7439-97-6
D-3S	10/16/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-3S	02/26/2025	MOLYBDENUM	0.049	0.1	mg/l	7439-98-7
D-3S	10/16/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-3S	02/26/2025	Radium (226)	0.209	--	pci/l	13982-63-3
D-3S	10/16/2025	Radium (226)	0.431	--	pci/l	13982-63-3
D-3S	02/26/2025	Radium 228	< 0.566	--	pci/l	15262-20-1
D-3S	10/16/2025	Radium 228	< 0.578	--	pci/l	15262-20-1
D-3S	02/26/2025	Radium-226/228	< 0.566	5	pci/l	425
D-3S	10/16/2025	Radium-226/228	0.983	5	pci/l	425
D-3S	02/26/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-3S	10/16/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-3S	02/26/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-3S	10/16/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-4D	02/27/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-4D	10/17/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-4D	02/27/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-4D	10/17/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-4D	02/27/2025	Barium	0.070	2	mg/l	7440-39-3
D-4D	10/17/2025	Barium	0.071	2	mg/l	7440-39-3
D-4D	02/27/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-4D	10/17/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-4D	02/27/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-4D	10/17/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-4D	02/27/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-4D	10/17/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
D-4D	02/27/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-4D	10/17/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-4D	02/27/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-4D	10/17/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-4D	02/27/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-4D	10/17/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-4D	02/27/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-4D	10/17/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-4D	02/27/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-4D	10/17/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-4D	02/27/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-4D	10/17/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-4D	02/27/2025	Radium (226)	< 0.113	--	pci/l	13982-63-3
D-4D	10/17/2025	Radium (226)	< 0.390	--	pci/l	13982-63-3
D-4D	02/27/2025	Radium 228	< 0.559	--	pci/l	15262-20-1
D-4D	10/17/2025	Radium 228	< 0.806	--	pci/l	15262-20-1
D-4D	02/27/2025	Radium-226/228	< 0.559	5	pci/l	425
D-4D	10/17/2025	Radium-226/228	0.885	5	pci/l	425
D-4D	02/27/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-4D	10/17/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-4D	02/27/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-4D	10/17/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-4S	02/27/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-4S	10/17/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-4S	02/27/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-4S	10/17/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-4S	02/27/2025	Barium	0.079	2	mg/l	7440-39-3
D-4S	10/17/2025	Barium	0.084	2	mg/l	7440-39-3
D-4S	02/27/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-4S	10/17/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-4S	02/27/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-4S	10/17/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-4S	02/27/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-4S	10/17/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-4S	02/27/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-4S	10/17/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-4S	02/27/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-4S	10/17/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-4S	02/27/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-4S	10/17/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-4S	02/27/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-4S	10/17/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-4S	02/27/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-4S	10/17/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-4S	02/27/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-4S	10/17/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-4S	02/27/2025	Radium (226)	0.123	--	pci/l	13982-63-3
D-4S	10/17/2025	Radium (226)	< 0.379	--	pci/l	13982-63-3
D-4S	02/27/2025	Radium 228	< 0.595	--	pci/l	15262-20-1
D-4S	10/17/2025	Radium 228	< 0.628	--	pci/l	15262-20-1
D-4S	02/27/2025	Radium-226/228	< 0.595	5	pci/l	425
D-4S	10/17/2025	Radium-226/228	0.714	5	pci/l	425
D-4S	02/27/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-4S	10/17/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
D-4S	02/27/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-4S	10/17/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-5D	02/25/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-5D	10/16/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-5D	02/25/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-5D	10/16/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-5D	02/25/2025	Barium	0.058	2	mg/l	7440-39-3
D-5D	10/16/2025	Barium	0.060	2	mg/l	7440-39-3
D-5D	02/25/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-5D	10/16/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-5D	02/25/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-5D	10/16/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-5D	02/25/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-5D	10/16/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-5D	02/25/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-5D	10/16/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-5D	02/25/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-5D	10/16/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-5D	02/25/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-5D	10/16/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-5D	02/25/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-5D	10/16/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-5D	02/25/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-5D	10/16/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-5D	02/25/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-5D	10/16/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-5D	02/25/2025	Radium (226)	< 0.107	--	pci/l	13982-63-3
D-5D	10/16/2025	Radium (226)	< 0.395	--	pci/l	13982-63-3
D-5D	02/25/2025	Radium 228	0.564	--	pci/l	15262-20-1
D-5D	10/16/2025	Radium 228	< 0.915	--	pci/l	15262-20-1
D-5D	02/25/2025	Radium-226/228	0.626	5	pci/l	425
D-5D	10/16/2025	Radium-226/228	< 0.915	5	pci/l	425
D-5D	02/25/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-5D	10/16/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-5D	02/25/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-5D	10/16/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-5S2	02/25/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-5S2	10/16/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-5S2	02/25/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-5S2	10/16/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-5S2	02/25/2025	Barium	0.073	2	mg/l	7440-39-3
D-5S2	10/16/2025	Barium	0.079	2	mg/l	7440-39-3
D-5S2	02/25/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-5S2	10/16/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-5S2	02/25/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-5S2	10/16/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-5S2	02/25/2025	Chromium	0.044	0.1	mg/l	7440-47-3
D-5S2	10/16/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-5S2	02/25/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-5S2	10/16/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-5S2	02/25/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-5S2	10/16/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-5S2	02/25/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-5S2	10/16/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
D-5S2	02/25/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-5S2	10/16/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-5S2	02/25/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-5S2	10/16/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-5S2	02/25/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-5S2	10/16/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-5S2	02/25/2025	Radium (226)	< 0.142	--	pci/l	13982-63-3
D-5S2	10/16/2025	Radium (226)	< 0.308	--	pci/l	13982-63-3
D-5S2	02/25/2025	Radium 228	< 0.549	--	pci/l	15262-20-1
D-5S2	10/16/2025	Radium 228	< 0.608	--	pci/l	15262-20-1
D-5S2	02/25/2025	Radium-226/228	< 0.549	5	pci/l	425
D-5S2	10/16/2025	Radium-226/228	< 0.608	5	pci/l	425
D-5S2	02/25/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-5S2	10/16/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-5S2	02/25/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-5S2	10/16/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-8	02/27/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-8	10/17/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-8	02/27/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-8	10/17/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-8	02/27/2025	Barium	0.067	2	mg/l	7440-39-3
D-8	10/17/2025	Barium	0.076	2	mg/l	7440-39-3
D-8	02/27/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-8	10/17/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-8	02/27/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-8	10/17/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-8	02/27/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-8	10/17/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-8	02/27/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-8	10/17/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-8	02/27/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-8	10/17/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-8	02/27/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-8	10/17/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-8	02/27/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-8	10/17/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-8	02/27/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-8	10/17/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-8	02/27/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-8	10/17/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-8	02/27/2025	Radium (226)	< 0.135	--	pci/l	13982-63-3
D-8	10/17/2025	Radium (226)	0.567	--	pci/l	13982-63-3
D-8	02/27/2025	Radium 228	< 0.588	--	pci/l	15262-20-1
D-8	10/17/2025	Radium 228	< 0.703	--	pci/l	15262-20-1
D-8	02/27/2025	Radium-226/228	< 0.588	5	pci/l	425
D-8	10/17/2025	Radium-226/228	1.14	5	pci/l	425
D-8	02/27/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-8	10/17/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-8	02/27/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-8	10/17/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-9	02/27/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-9	10/17/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
D-9	02/27/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
D-9	10/17/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
D-9	02/27/2025	Barium	0.086	2	mg/l	7440-39-3
D-9	10/17/2025	Barium	0.089	2	mg/l	7440-39-3
D-9	02/27/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-9	10/17/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
D-9	02/27/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-9	10/17/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
D-9	02/27/2025	Chromium	0.0064	0.1	mg/l	7440-47-3
D-9	10/17/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
D-9	02/27/2025	Cobalt	0.00063	0.006	mg/l	7440-48-4
D-9	10/17/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
D-9	02/27/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-9	10/17/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
D-9	02/27/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-9	10/17/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
D-9	02/27/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-9	10/17/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
D-9	02/27/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-9	10/17/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
D-9	02/27/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-9	10/17/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
D-9	02/27/2025	Radium (226)	< 0.152	--	pci/l	13982-63-3
D-9	10/17/2025	Radium (226)	< 0.317	--	pci/l	13982-63-3
D-9	02/27/2025	Radium 228	< 0.692	--	pci/l	15262-20-1
D-9	10/17/2025	Radium 228	1.14	--	pci/l	15262-20-1
D-9	02/27/2025	Radium-226/228	< 0.692	5	pci/l	425
D-9	10/17/2025	Radium-226/228	1.11	5	pci/l	425
D-9	02/27/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-9	10/17/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
D-9	02/27/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
D-9	10/17/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
U-4D	02/25/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
U-4D	10/15/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
U-4D	02/25/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
U-4D	10/15/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
U-4D	02/25/2025	Barium	0.044	2	mg/l	7440-39-3
U-4D	10/15/2025	Barium	0.043	2	mg/l	7440-39-3
U-4D	02/25/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
U-4D	10/15/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
U-4D	02/25/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
U-4D	10/15/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
U-4D	02/25/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
U-4D	10/15/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
U-4D	02/25/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
U-4D	10/15/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
U-4D	02/25/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
U-4D	10/15/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
U-4D	02/25/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
U-4D	10/15/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
U-4D	02/25/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
U-4D	10/15/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
U-4D	02/25/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
U-4D	10/15/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
U-4D	02/25/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
U-4D	10/15/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
U-4D	02/25/2025	Radium (226)	< 0.152	--	pci/l	13982-63-3
U-4D	10/15/2025	Radium (226)	< 0.365	--	pci/l	13982-63-3
U-4D	02/25/2025	Radium 228	< 0.539	--	pci/l	15262-20-1
U-4D	10/15/2025	Radium 228	< 0.673	--	pci/l	15262-20-1
U-4D	02/25/2025	Radium-226/228	< 0.539	5	pci/l	425
U-4D	10/15/2025	Radium-226/228	< 0.673	5	pci/l	425
U-4D	02/25/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
U-4D	10/15/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
U-4D	02/25/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
U-4D	10/15/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
U-4S	02/25/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
U-4S	10/15/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
U-4S	02/25/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
U-4S	10/15/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
U-4S	02/25/2025	Barium	0.043	2	mg/l	7440-39-3
U-4S	10/15/2025	Barium	0.036	2	mg/l	7440-39-3
U-4S	02/25/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
U-4S	10/15/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
U-4S	02/25/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
U-4S	10/15/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
U-4S	02/25/2025	Chromium	0.028	0.1	mg/l	7440-47-3
U-4S	10/15/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
U-4S	02/25/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
U-4S	10/15/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
U-4S	02/25/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
U-4S	10/15/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
U-4S	02/25/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
U-4S	10/15/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
U-4S	02/25/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
U-4S	10/15/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
U-4S	02/25/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
U-4S	10/15/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
U-4S	02/25/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
U-4S	10/15/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
U-4S	02/25/2025	Radium (226)	< 0.180	--	pci/l	13982-63-3
U-4S	10/15/2025	Radium (226)	< 0.337	--	pci/l	13982-63-3
U-4S	02/25/2025	Radium 228	< 0.632	--	pci/l	15262-20-1
U-4S	10/15/2025	Radium 228	< 0.556	--	pci/l	15262-20-1
U-4S	02/25/2025	Radium-226/228	< 0.632	5	pci/l	425
U-4S	10/15/2025	Radium-226/228	0.828	5	pci/l	425
U-4S	02/25/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
U-4S	10/15/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
U-4S	02/25/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
U-4S	10/15/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
U-5D	02/25/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
U-5D	10/15/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
U-5D	02/25/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
U-5D	10/15/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
U-5D	02/25/2025	Barium	0.053	2	mg/l	7440-39-3
U-5D	10/15/2025	Barium	0.058	2	mg/l	7440-39-3
U-5D	02/25/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
U-5D	10/15/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
U-5D	02/25/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
U-5D	10/15/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
U-5D	02/25/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
U-5D	10/15/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
U-5D	02/25/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
U-5D	10/15/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
U-5D	02/25/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
U-5D	10/15/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
U-5D	02/25/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
U-5D	10/15/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
U-5D	02/25/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
U-5D	10/15/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
U-5D	02/25/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
U-5D	10/15/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
U-5D	02/25/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
U-5D	10/15/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
U-5D	02/25/2025	Radium (226)	< 0.155	--	pci/l	13982-63-3
U-5D	10/15/2025	Radium (226)	< 0.330	--	pci/l	13982-63-3
U-5D	02/25/2025	Radium 228	< 0.587	--	pci/l	15262-20-1
U-5D	10/15/2025	Radium 228	1.07	--	pci/l	15262-20-1
U-5D	02/25/2025	Radium-226/228	< 0.587	5	pci/l	425
U-5D	10/15/2025	Radium-226/228	1.32	5	pci/l	425
U-5D	02/25/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
U-5D	10/15/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
U-5D	02/25/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
U-5D	10/15/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
U-5S	02/25/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
U-5S	10/15/2025	Antimony	< 0.0020	0.006	mg/l	7440-36-0
U-5S	02/25/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
U-5S	10/15/2025	Arsenic	< 0.0020	0.010	mg/l	7440-38-2
U-5S	02/25/2025	Barium	0.063	2	mg/l	7440-39-3
U-5S	10/15/2025	Barium	0.066	2	mg/l	7440-39-3
U-5S	02/25/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
U-5S	10/15/2025	Beryllium	< 0.0010	0.004	mg/l	7440-41-7
U-5S	02/25/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
U-5S	10/15/2025	Cadmium	< 0.00020	0.005	mg/l	7440-43-9
U-5S	02/25/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
U-5S	10/15/2025	Chromium	< 0.0050	0.1	mg/l	7440-47-3
U-5S	02/25/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
U-5S	10/15/2025	Cobalt	< 0.00050	0.006	mg/l	7440-48-4
U-5S	02/25/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
U-5S	10/15/2025	Fluoride	< 1.0	4	mg/l	16984-48-8
U-5S	02/25/2025	Lead	0.0021	0.015	mg/l	7439-92-1
U-5S	10/15/2025	Lead	< 0.00050	0.015	mg/l	7439-92-1
U-5S	02/25/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
U-5S	10/15/2025	Lithium	< 0.010	0.04	mg/l	7439-93-2
U-5S	02/25/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
U-5S	10/15/2025	Mercury	< 0.00020	0.002	mg/l	7439-97-6
U-5S	02/25/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
U-5S	10/15/2025	MOLYBDENUM	< 0.0020	0.1	mg/l	7439-98-7
U-5S	02/25/2025	Radium (226)	< 0.158	--	pci/l	13982-63-3
U-5S	10/15/2025	Radium (226)	< 0.337	--	pci/l	13982-63-3
U-5S	02/25/2025	Radium 228	0.835	--	pci/l	15262-20-1
U-5S	10/15/2025	Radium 228	0.821	--	pci/l	15262-20-1
U-5S	02/25/2025	Radium-226/228	0.882	5	pci/l	425
U-5S	10/15/2025	Radium-226/228	1.11	5	pci/l	425

Table 7



**Groundwater Analytical Data
vs. Groundwater Protection Standards**

Location	Date	Parameter	Result	Groundwater Protection Standard (GPS)	Units	CAS #
U-5S	02/25/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
U-5S	10/15/2025	Selenium	< 0.0050	0.05	mg/l	7782-49-2
U-5S	02/25/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0
U-5S	10/15/2025	Thallium	< 0.0010	0.002	mg/l	7440-28-0

Results in milligrams per liter (mg/l) or picocuries per liter (pci/l)

-- = No Groundwater Protection Standard established.

Bold = Indicates concentration above Groundwater Protection Standard.



Appendix A – Field Data Sheets

SKB Landfill (Rosemount)

Site: JB Rosemann

Personnel: N. Seligge

[illegible]

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: U-4S

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: NO

Sample Matrix: Groundwater

Equipment Blank Collected: 100

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: Nil

Sampler(s): Nichols

Casing Length(ft)	32
-------------------	----

Date/Time Initiated: 7/25/25 10:25

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 11.31

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 921.40'

One Casing Volume (gal): 2.57

Top of Casing (ft, msl)	832.71
-------------------------	--------

Total Volume Purged (gal): 10.5

PID (Background)	(PPM)
1	100
2	200
3	300
4	400
5	500
6	600
7	700
8	800
9	900
10	1000
11	1100
12	1200
13	1300
14	1400
15	1500
16	1600
17	1700
18	1800
19	1900
20	2000
21	2100
22	2200
23	2300
24	2400
25	2500
26	2600
27	2700
28	2800
29	2900
30	3000
31	3100
32	3200
33	3300
34	3400
35	3500
36	3600
37	3700
38	3800
39	3900
40	4000
41	4100
42	4200
43	4300
44	4400
45	4500
46	4600
47	4700
48	4800
49	4900
50	5000
51	5100
52	5200
53	5300
54	5400
55	5500
56	5600
57	5700
58	5800
59	5900
60	6000
61	6100
62	6200
63	6300
64	6400
65	6500
66	6600
67	6700
68	6800
69	6900
70	7000
71	7100
72	7200
73	7300
74	7400
75	7500
76	7600
77	7700
78	7800
79	7900
80	8000
81	8100
82	8200
83	8300
84	8400
85	8500
86	8600
87	8700
88	8800
89	8900
90	9000
91	9100
92	9200
93	9300
94	9400
95	9500
96	9600
97	9700
98	9800
99	9900
100	10000

Purged Dry?: Yes No (circle)

PID (Headspace)	Retention Time (min)	Area (ppm)
1	1.1	0.0
2	1.2	0.0
3	1.3	0.0
4	1.4	0.0
5	1.5	0.0
6	1.6	0.0
7	1.7	0.0
8	1.8	0.0
9	1.9	0.0
10	2.0	0.0
11	2.1	0.0
12	2.2	0.0
13	2.3	0.0
14	2.4	0.0
15	2.5	0.0
16	2.6	0.0
17	2.7	0.0
18	2.8	0.0
19	2.9	0.0
20	3.0	0.0
21	3.1	0.0
22	3.2	0.0
23	3.3	0.0
24	3.4	0.0
25	3.5	0.0
26	3.6	0.0
27	3.7	0.0
28	3.8	0.0
29	3.9	0.0
30	4.0	0.0
31	4.1	0.0
32	4.2	0.0
33	4.3	0.0
34	4.4	0.0
35	4.5	0.0
36	4.6	0.0
37	4.7	0.0
38	4.8	0.0
39	4.9	0.0
40	5.0	0.0
41	5.1	0.0
42	5.2	0.0
43	5.3	0.0
44	5.4	0.0
45	5.5	0.0
46	5.6	0.0
47	5.7	0.0
48	5.8	0.0
49	5.9	0.0
50	6.0	0.0
51	6.1	0.0
52	6.2	0.0
53	6.3	0.0
54	6.4	0.0
55	6.5	0.0
56	6.6	0.0
57	6.7	0.0
58	6.8	0.0
59	6.9	0.0
60	7.0	0.0
61	7.1	0.0
62	7.2	0.0
63	7.3	0.0
64	7.4	0.0
65	7.5	0.0
66	7.6	0.0
67	7.7	0.0
68	7.8	0.0
69	7.9	0.0
70	8.0	0.0
71	8.1	0.0
72	8.2	0.0
73	8.3	0.0
74	8.4	0.0
75	8.5	0.0
76	8.6	0.0
77	8.7	0.0
78	8.8	0.0
79	8.9	0.0
80	9.0	0.0
81	9.1	0.0
82	9.2	0.0
83	9.3	0.0
84	9.4	0.0
85	9.5	0.0
86	9.6	0.0
87	9.7	0.0
88	9.8	0.0
89	9.9	0.0
90	10.0	0.0
91	10.1	0.0
92	10.2	0.0
93	10.3	0.0
94	10.4	0.0
95	10.5	0.0
96	10.6	0.0
97	10.7	0.0
98	10.8	0.0
99	10.9	0.0
100	11.0	0.0

Water Level After Purge (ft): 11.35'

PURGE DATA

Date/Time Completed: 10:45

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: U-4S

Water Level @ Sampling (ft): 11.35

Well Collection Sequence 1 of 17

Parameters: Annual _____ Semiannual: _____ Quarterly: ☒ Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>10:45</u>	VOCs: <u>1000</u>	<u>12.64</u>	<u>7.09</u>	<u>857</u>	<u>2.3</u>	<u>0.00</u>	<u>199</u>
	Other: <u>1000</u>						

2/28/25

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 40°F sunny 5-10 mph W

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle) _____ # of Bottles Collected: 6

Well Closed and Locked: ☒ Yes ☐ No (circle) _____

Notes:

Minnesota Unique Well ID: 49302.1

Date: 2/28/25 By: M. Schulz Title: Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: U-4D

Location: Rosemount, MN

Duplicate Collected: 100

Field Blank Collected: 106

Sample Matrix: Groundwater

Equipment Blank Collected: 162

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder PumpMS/MSD Collected: 16

Sampler(s): V-J-100

Casing Length(ft)	89
-------------------	----

Date/Time Initiated: 2/25/25 10-25

Dedicated Equipment: Yes

Initial Water Level (feet): 6.67

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl):

One Casing Volume (gal): 11.05

Top of Casing (ft, msl)	837.45
-------------------------	--------

Total Volume Purged (gal): 33.5

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace)	0.0	(PPM)
-----------------	-----	-------

Water Level After Purge (ft): 21.25'

PURGE DATA

Date/Time Completed: 2/25/20 11:30

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: U-4D

Water Level @ Sampling (ft): 21.25'

Well Collection Sequence 2 of 17

Parameters: Annual _____ Semiannual: _____ Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/25/25</u> <u>11:36</u>	VOCs: <u>-</u> Other: <u>1000</u>	<u>10.25</u>	<u>7.57</u>	<u>796</u>	<u>4.2</u>	<u>1.81</u>	<u>169</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 47°F, sunny 5-10 mph W

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: (Yes) No (circle)

of Bottles Collected: 6

Well Closed and Locked: (Yes) No (circle)

Notes: _____

Minnesota Unique Well ID: 463714

Date: 2/25/25

By: N. Schlegel

Title: staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: U-5S

Location: Rosemount, MN

Duplicate Collected: Yes - 10/11

Field Blank Collected: Yes - Field Blank!

Sample Matrix: Groundwater

Equipment Blank Collected: No

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder PumpMS/MSD Collected: yes

Sampler(s): N. Schlegel

Casing Length(ft)	44
-------------------	----

Date/Time Initiated: 2/25/25 12:25

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 27.18'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 820.18

One Casing Volume (gal): 2.21

Top of Casing (ft, msl)	847.96
-------------------------	--------

Total Volume Purged (gal): 7.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 27.80

PURGE DATA

Date/Time Completed: 2/25/25 12:48

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: U-5S

Water Level @ Sampling (ft): 27.80'

Well Collection Sequence 3 of 17

Parameters: Annual _____ Semiannual: _____

Quarterly: ☒ Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/15/25</u> <u>12:45</u>	VOCs: <u>—</u> Other: <u>1000</u>	<u>11.55</u>	<u>7.41</u>	<u>935</u>	<u>5.7</u>	<u>0.00</u>	<u>191</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 47°F sunny 5-10 mph west

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected: 6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes: _____

Minnesota Unique Well ID: 497018

Date: 2/15/25 By: N. Schlager Title: Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: U-5D

Location: Rosemount, MN

Duplicate Collected: 10

Field Blank Collected: Na

Sample Matrix: Groundwater

Equipment Blank Collected: NO

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: 40

Sampler(s): J. Schubert

Casing Length(ft)	99
-------------------	----

Date/Time Initiated: 2/25/25

Dedicated Equipment: Yes

Initial Water Level (feet): 30.45'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 819.24'

One Casing Volume (gal): 11.17

Top of Casing (ft, msl)	849.69
-------------------------	--------

Total Volume Purged (gal): 33.5

PID (Background)	0.0	(PPM)
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	0.0	0.0
11	0.0	0.0
12	0.0	0.0
13	0.0	0.0
14	0.0	0.0
15	0.0	0.0
16	0.0	0.0
17	0.0	0.0
18	0.0	0.0
19	0.0	0.0
20	0.0	0.0
21	0.0	0.0
22	0.0	0.0
23	0.0	0.0
24	0.0	0.0
25	0.0	0.0
26	0.0	0.0
27	0.0	0.0
28	0.0	0.0
29	0.0	0.0
30	0.0	0.0
31	0.0	0.0
32	0.0	0.0
33	0.0	0.0
34	0.0	0.0
35	0.0	0.0
36	0.0	0.0
37	0.0	0.0
38	0.0	0.0
39	0.0	0.0
40	0.0	0.0
41	0.0	0.0
42	0.0	0.0
43	0.0	0.0
44	0.0	0.0
45	0.0	0.0
46	0.0	0.0
47	0.0	0.0
48	0.0	0.0
49	0.0	0.0
50	0.0	0.0
51	0.0	0.0
52	0.0	0.0
53	0.0	0.0
54	0.0	0.0
55	0.0	0.0
56	0.0	0.0
57	0.0	0.0
58	0.0	0.0
59	0.0	0.0
60	0.0	0.0
61	0.0	0.0
62	0.0	0.0
63	0.0	0.0
64	0.0	0.0
65	0.0	0.0
66	0.0	0.0
67	0.0	0.0
68	0.0	0.0
69	0.0	0.0
70	0.0	0.0
71	0.0	0.0
72	0.0	0.0
73	0.0	0.0
74	0.0	0.0
75	0.0	0.0
76	0.0	0.0
77	0.0	0.0
78	0.0	0.0
79	0.0	0.0
80	0.0	0.0
81	0.0	0.0
82	0.0	0.0
83	0.0	0.0
84	0.0	0.0
85	0.0	0.0
86	0.0	0.0
87	0.0	0.0
88	0.0	0.0
89	0.0	0.0
90	0.0	0.0
91	0.0	0.0
92	0.0	0.0
93	0.0	0.0
94	0.0	0.0
95	0.0	0.0
96	0.0	0.0
97	0.0	0.0
98	0.0	0.0
99	0.0	0.0
100	0.0	0.0

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 30.47'

PURGE DATA

Date/Time Completed: 2/26/20 13:05

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: U-5D

Water Level @ Sampling (ft): 30.47

Well Collection Sequence 4 of 17

Parameters: Annual _____ Semiannual: X

Quarterly: _____ Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>8:05</u> <u>2/25/15</u>	VOCs: <u>-</u> Other: <u>1000</u>	<u>10.60</u>	<u>7.72</u>	<u>770</u>	<u>4.6</u>	<u>0.00</u>	<u>191</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 47°F, sunny 5-10 mph SW

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected: 8

Well Closed and Locked: Yes No (circle)

Notes: _____

Minnesota Unique Well ID: 193015

Date: 2/25/15 By: A. Schlegel Title: Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-5S2

Location: Rosemount, MN

Duplicate Collected: Ms

Field Blank Collected: MC

Sample Matrix: Groundwater

Equipment Blank Collected: Mo

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: No

Sampler(s): *H. Schlegel*

Casing Length(ft)	126
-------------------	-----

Date/Time Initiated: 2/25/25 14:10

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 105.90'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 785.91

One Casing Volume (gal): 5.27

Top of Casing (ft, msl)	891.81
-------------------------	--------

Total Volume Purged (gal): 10.0

PID (Background) 6.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0-0 (PPM)

Water Level After Purge (ft): 105.92'

PURGE DATA

Date/Time Completed: 2/25/25 14:55

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-5S2

Water Level @ Sampling (ft): 105.92'

Well Collection Sequence 5 of 17

Parameters: Annual Semiannual:

Quarterly: X Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/25/25</u> <u>14:35</u>	VOCs: <u> </u>	<u>11.40</u>	<u>7.47</u>	<u>1,150</u>	<u>3.3</u>	<u>0.00</u>	<u>197</u>
	Other: <u>100</u>						

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling: 51°F, sunny 5-10 mph SW

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected: 6

Well Closed and Locked: Yes No (circle)

Notes:

Minnesota Unique Well ID: 463715

Date: 2/25/25 By: N. Schlegel Title: staff env scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-5D

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: NO

Sample Matrix: Groundwater

Equipment Blank Collected: No

PURGE INFORMATION

MS/MSD Collected: no

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): M. Schaefer

Casing Length(ft)	156
-------------------	-----

Date/Time Initiated: 2/25/25 14:00

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 116.65'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 777.05

One Casing Volume (gal): 6.51

Top of Casing (ft, msl)	893.08
-------------------------	--------

Total Volume Purged (gal): 20.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 116.07'

PURGE DATA

Date/Time Completed: 2/25/25 15:15

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-5D

Water Level @ Sampling (ft): 116.07'

Well Collection Sequence 6 of 17

Parameters: Annual _____ Semiannual: _____

Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/25/25</u> <u>15:15</u>	VOCs: _____ Other: <u>1060</u>	<u>11.08</u>	<u>7.54</u>	<u>926</u>	<u>1.5</u>	<u>0.00</u>	<u>192</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 81°F, partly cloudy, 5-10 mph W

Sampling Characteristics: clean

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle) _____

of Bottles Collected: 6

Well Closed and Locked: Yes No (circle) _____

Notes: _____

Minnesota Unique Well ID: 482885

Date: 2/25/25 By: N. Schaefer

Title: staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-3S

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: NO

Sample Matrix: Groundwater

Equipment Blank Collected: no

PURGE INFORMATION

MS/MSD Collected: 100

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): 10-Sub/191

Casing Length(ft)	133
-------------------	-----

Date/Time Initiated: 2/26/25 0:35

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 109.48

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 777.05'

One Casing Volume (gal): 3.63

Top of Casing (ft, msl)	886.53
-------------------------	--------

Total Volume Purged (gal): 175

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 109.50

PURGE DATA

Date/Time Completed: 2/26/25 9:30

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-3S

Water Level @ Sampling (ft): 109.50

Well Collection Sequence 7 of 17

Parameters: Annual _____ Semiannual: X

Quarterly: _____ Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/26/25</u> <u>9:30</u>	VOCs: <u>-</u> Other: <u>1000</u>	<u>11.49</u>	<u>7.44</u>	<u>2.600</u>	<u>60.7</u>	<u>0.00</u>	<u>28</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 40°F cloudy, 5-10 mph E

Sampling Characteristics: 11 cloudy orange

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected: 6

Well Closed and Locked: Yes No (circle)

Notes: _____

Minnesota Unique Well ID: 462920

Date: 2/26/25 By: N. Schlegel

Title: Staff Env. Scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-3D

Location: Rosemount, MN

Duplicate Collected: 26

Field Blank Collected: NO

Sample Matrix: Groundwater

Equipment Blank Collected: NO

PURGE INFORMATION

MS/MSD Collected: No

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): N. Schlager

Casing Length(ft)	148
-------------------	-----

Date/Time Initiated: 5/27/12 8:55

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 110.25'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): _____

One Casing Volume (gal): 6.15

Top of Casing (ft, msl)	885.76
-------------------------	--------

Total Volume Purged (gal): 18.5

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 110.27'

PURGE DATA

Date/Time Completed: 2/26/25 9:45

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-3D

Water Level @ Sampling (ft): 110.27'

Well Collection Sequence 8 of 17

Parameters: Annual _____ Semiannual: _____

Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/26/25</u> <u>9:45</u>	VOCs: <u>✓</u> Other: <u>100</u>	<u>11.19</u>	<u>7.57</u>	<u>966</u>	<u>30.9</u>	<u>0.00</u>	<u>83</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 40°F, partly cloudy, 5-10 mph E

Sampling Characteristics: 400m

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected: 6

Well Closed and Locked: Yes No (circle)

Notes: _____

Minnesota Unique Well ID: 48288X

Date: 2/26/24 By: N. S. [signature]

Title: staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-1S

Location: Rosemount, MN

Duplicate Collected: No

Sample Matrix: Groundwater

Field Blank Collected: No

Equipment Blank Collected: No

PURGE INFORMATION

MS/MSD Collected: No

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): 1. Sanlogel

Casing Length(ft) 142.4

Date/Time Initiated: 2/26/25 10:15

Dedicated Equipment: Yes

Initial Water Level (feet): 122.47'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 777.92'

One Casing Volume (gal): 3.25'

Top of Casing (ft, msl) 900.39

Total Volume Purged (gal): 10.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 122.50'

PURGE DATA

Date/Time Completed: 2/26/25 10:35

Time	Purge Rate (mL/min)	Cumulative Volume (gal)	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Disolved Oxygen (mg/L)	ORP (mV)
10:15	1000	0.1	11.87	8.10	650	9.6	0.00	134
10:20	1000	3.0	12.72	7.55	797	6.3	0.00	133
10:25	1000	6.0	12.79	7.49	812	6.1	0.00	132
10:30	1000	10.0	12.81	7.00	815	5.9	0.00	136

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

122.50

Sample Point ID:

D-1S

Well Collection Sequence

9 of 17

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
2/26/25 16:35	VOCs: ☒ Other: ☒	12.83	7.40	815	5.6	0.00	126

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

43°F, partly cloudy, 0-5 mph NE

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

493914

Date:

2/26/25

By:

N. Senko

Title:

Staff Scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-1D

Location: Rosemount, MN

Duplicate Collected: No

Sample Matrix: Groundwater

Field Blank Collected: No

Equipment Blank Collected: No

PURGE INFORMATION

MS/MSD Collected: No

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): M. Schlager

Casing Length(ft) 187.9

Date/Time Initiated: 2/26/25 10:15

Dedicated Equipment: Yes

Initial Water Level (feet): 119.33'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 778.11'

One Casing Volume (gal): 11.18

Top of Casing (ft, msl) 897.44

Total Volume Purged (gal): 34.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 119.35'

PURGE DATA

Date/Time Completed: 2/26/25 11:35

Time	Purge Rate (mL/min)	Cumulative Volume (gal)	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Disolved Oxygen (mg/L)	ORP (mV)
10:15	1000	0.1	12.46	7.66	791	6.2	0.00	145
10:45	1000	10.0	12.46	7.68	790	6.00	0.00	145
11:15	1000	20.0	12.70	7.65	773	8.5	0.00	160
11:50	1000	34.0	12.78	7.66	762	10.1	0.00	169

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

119.35'

Sample Point ID:

D-1D

Well Collection Sequence

10 of 17

Parameters:

Annual

Semiannual:

Quarterly: X

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/26/25</u> <u>11:55</u>	VOCs: <u>-</u> Other: <u>1000</u>	<u>12.65</u>	<u>7.70</u>	<u>763</u>	<u>9.7</u>	<u>0.00</u>	<u>168</u>

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

44°F, partly cloudy, 0-5 mph NE

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected:

6

Well Closed and Locked: Yes No (circle)

Notes:

Minnesota Unique Well ID:

482883

Date:

2/26/25

By:

N. Schlegel

Title:

Staff Env. Scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-2S

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: No

Sample Matrix: Groundwater

Equipment Blank Collected: NO

MS/MSD Collected: NO

Sampler(s): R. J. Inlay

Casing Length(ft)	139
-------------------	-----

Dedicated Equipment: ☒ Yes

Casing Diameter (inches): 2

One Casing Volume (gal): 3.51

Total Volume Purged (gal): 11.0

Purged Dry?: Yes No (circle)

Water Level After Purge (ft): 117.48

Date/Time Completed: 6/26/25 12:30

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

Date/Time Initiated: 2/26/25 14:18

Initial Water Level (feet): 117.48'

Ground Water Elevation (ft, msl): 782.19

Top of Casing (ft, msl)	899.65
-------------------------	--------

PID (Background) 0-0 (PPM)

PID (Headspace) 0-0 (PPM)

PURGE DATA

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-2S

Water Level @ Sampling (ft):

117.48'

Well Collection Sequence

11 of 17

Parameters:

Annual

Semiannual:

Quarterly: X

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/26/25</u> <u>12:50</u>	VOCs: <u>✓</u> Other: <u>1000</u>	<u>10.82</u>	<u>7.49</u>	<u>820</u>	<u>6.5</u>	<u>0.00</u>	<u>143</u>

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

45°F, partly cloudy, 0-5 mph N/E

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected:

6

Well Closed and Locked: Yes No (circle)

Notes:

Minnesota Unique Well ID:

497013

Date:

2/26/25

By:

N. Seidel

Title:

Staff env. scient

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-2D

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: No

Sample Matrix: Groundwater

Equipment Blank Collected: No

MS/MSD Collected: Ms

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): M. Schlegel

Casing Length(ft)	162.6
-------------------	-------

Date/Time Initiated: 2/26/23 12:13

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 116.48'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 182.18

One Casing Volume (gal): 7.52

Top of Casing (ft, msl)	898.64
-------------------------	--------

Total Volume Purged (gal): 23.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 116.50'

PURGE DATA

Date/Time Completed: 2/26/25 13:00

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-2D

Water Level @ Sampling (ft): 116.50

Well Collection Sequence 12 of 17

Parameters: Annual _____ Semiannual: _____ Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/26/25</u> <u>13:05</u>	VOCs: <u>~</u>	<u>10.56</u>	<u>7.74</u>	<u>805</u>	<u>3.4</u>	<u>0.72</u>	<u>174</u>
	Other: <u>100</u>						

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 45°F, partly cloudy, 0-5 mph NE

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle) _____ # of Bottles Collected: 6

Well Closed and Locked: Yes No (circle) _____

Notes: _____

Minnesota Unique Well ID: 482882

Date: 2/26/25 By: M. Schlegel Title: Staff Environmental Scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-4S

Location: Rosemount, MN

Duplicate Collected: No ~~Yes~~ - ~~Not~~ = 2

Field Blank Collected: No

Sample Matrix: Groundwater

Equipment Blank Collected: no

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: MS No

Sampler(s): N. Schlegel

Casing Length(ft)	111.8
-------------------	-------

Date/Time Initiated: 2/27/25 9:00

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 104.40

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 786.47

One Casing Volume (gal): 1.20

Top of Casing (ft, msl)	890.67
-------------------------	--------

Total Volume Purged (gal): 4.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes ☒ No ☐ (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 107.42

PURGE DATA

Date/Time Completed: 6/27/25 9:20

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

104.42'

Sample Point ID:

D-4S

Well Collection Sequence

13 of 17

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
2/27/28 9:20	VOCs: Other: 1000	12.27	7.60	900	24.3	0.00	286

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

39°F, sunny, 10-15 mph NW

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

462921

Date:

2/27/28

By:

N. Schlegel

Title:

staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-4D

Location: Rosemount, MN

Duplicate Collected: ~~yes~~ - no

Field Blank Collected: No

Sample Matrix: Groundwater

Equipment Blank Collected: No

MS/MSD Collected: ~~1/15~~ 1/15

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): N. J. Chittell

Casing Length(ft)	131
-------------------	-----

Date/Time Initiated: 2/27/25 9:00

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 105.61'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 785.17

One Casing Volume (gal): 4.14

Top of Casing (ft, msl)	890.78
-------------------------	--------

Total Volume Purged (gal): 125

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 105.63'

PURGE DATA

Date/Time Completed: 2/27/25 9:35

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft): 105.63'

Parameters: Annual _____ Semiannual: _____

Sample Point ID: D-4D

Well Collection Sequence 14 of 17

Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>9:35</u> <u>2/27/25</u>	VOCs: _____ Other: <u>1000</u>	<u>12.22</u>	<u>7.63</u>	<u>874</u>	<u>4.2</u>	<u>0.27</u>	<u>271</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 40°F, sunny 10-15 mph NW

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle) _____ # of Bottles Collected: 6

Well Closed and Locked: Yes No (circle) _____

Notes: _____

Minnesota Unique Well ID: no log on well

Date: 2/27/25 By: M. Schlegel Title: Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-7

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: _____

Sample Matrix: Groundwater

Equipment Blank Collected:

MS/MSD Collected: ☒

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): in-school

Casing Length(ft) 105

Date/Time Initiated: 2/27/25

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): dry

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl):

One Casing Volume (gal):

Top of Casing (ft, msl)	901.03
-------------------------	--------

Total Volume Purged (gal): _____

PID (Background) 0-0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): _____

PURGE DATA

Date/Time Completed: 2/27/20

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-7

Water Level @ Sampling (ft): _____

Well Collection Sequence _____ of _____

Parameters: Annual _____ Semiannual: _____

Quarterly: _____ Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
	VOCs: _____						
	Other: _____						

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: _____

Sampling Characteristics: _____

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle) _____ # of Bottles Collected: _____

Well Closed and Locked: Yes No (circle) _____

Notes: _____

Minnesota Unique Well ID: _____

Date: _____ By: _____ Title: _____

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-8

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: No

Sample Matrix: Groundwater

Equipment Blank Collected: 1/2

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: No

Sampler(s): *W. Schell*

Casing Length(ft)	130
-------------------	-----

Date/Time Initiated: 2/27/25 10:20

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 108.51'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 179.36

One Casing Volume (gal): 3.50

Top of Casing (ft, msl)	907.87
-------------------------	--------

Total Volume Purged (gal): 10.5

PID (Background) 0.0 (PPM)

Purged Dry?: Yes ☐ No ☒ (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 109.53

PURGE DATA

Date/Time Completed: 2/27/28 10:40

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-8

Water Level @ Sampling (ft): 109.53'

Well Collection Sequence 16 of 17

Parameters: Annual _____ Semiannual: _____ Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/27/25</u> <u>10:40</u>	VOCs: <u>~</u> Other: <u>1000</u>	<u>10.90</u>	<u>7.73</u>	<u>815</u>	<u>60.6</u>	<u>17.92</u>	<u>215</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 40°F sunny, 10-15 mph NW

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle) _____ # of Bottles Collected: 6

Well Closed and Locked: Yes No (circle) _____

Notes: Air bubbles present in water flow from leaky pump

Minnesota Unique Well ID: 727735

Date: 2/27/25 By: N. Schlegel Title: staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-9

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: No

Sample Matrix: Groundwater

Equipment Blank Collected: Yes

PURGE INFORMATION

MS/MSD Collected: No

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): M. Schlegel

Casing Length(ft) 114

Date/Time Initiated: 2/27/25 11:00

Dedicated Equipment: Yes

Initial Water Level (feet): 98.28'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 986.28'

One Casing Volume (gal): 2.56

Top of Casing (ft, msl) 904.56

Total Volume Purged (gal): 8.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes ☒ No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 98.30'

PURGE DATA

Date/Time Completed: 2/27/25 11:38

Time	Purge Rate (mL/min)	Cumulative Volume (gal)	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Disolved Oxygen (mg/L)	ORP (mV)
11:00	1000	0.1	12.42	7.78	918	10.5	0.52	215
11:10	1000	2.5	12.70	7.34	906	48.0	0.00	-42
11:20	1000	5.0	11.64	7.50	903	29.6	0.00	0
11:30	1000	8.0	12.79	7.38	908	20.1	0.00	29

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

98.30'

Sample Point ID:

D-9

Well Collection Sequence

17 of 17

Parameters:

Annual

Semiannual:

Quarterly: X

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>2/27/25</u> <u>01:35</u>	VOCs: <u>-</u> Other: <u>100</u>	<u>11.79</u>	<u>7.50</u>	<u>908</u>	<u>21.6</u>	<u>0.00</u>	<u>28</u>

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

40°F, sunny, 10-15 mph NW

Sampling Characteristics:

1st cloudy at sample

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected:

6

Well Closed and Locked: Yes No (circle)

Notes:

Minnesota Unique Well ID:

780141

Date:

2/27/25

By:

N. Schlegel

Title:

Staff Env Scientist

Company: Groundwater and Environmental Services, Inc.

Start of day:
(Date/Time) 2/25/25 8:00

End of day:
(Date/Time) 2/27/25 12:30

YSI Model Number V-52

YSI Serial Number V90294X

Sonde Model Number U-500

Sonde Serial Number 030967X

[illegible]

Sampling Event		
Time:	Value:	
8:00	-	NTU std = DI Water
	100	NTU std = 100
	1409	uS std = 1409
	4.00	pH std = 4
	7.00	pH std = 7
	10.00	pH std = 10

Eurofins Cedar Falls

3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record



Chain of Custody Record
Form 101-01

Client Information		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:								
Nicholas Schlager		Phone: 651-792-6005	Bindert, Zach T		310-68363-19638.1								
Company: Groundwater & Environmental Services Inc		E-Mail: Zach.Bindert@Eurofinset.com		State of Origin: MN	Page: 1 of 2								
Address: 1301 Corporate Center Drive Suite 190		PWSID:		Job #: 3502287/40/870	Preservation Codes:								
City: Eagan		TAT Requested (days): 5			A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - NaOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:								
State, Zip: MN, 55121-1562		Compliance Project: Δ Yes Δ No			M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)								
Phone:		PO #: Purchase Order not required											
Email: nischlager@eurofinset.com		WO #:											
Project Name: SKB Rosemount - CCR Monitoring (SPRING)		Project #:											
Site: Minnesota		SSOW#:											
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=BT-Tissue, AA=AA)	Field Filtered Sample (Yes or No)	9315 Ra226 - Standard Target List	Ra226Ra228 - GPC - Local Method	9320 Ra226 - Standard Target List	9056A_ORGM_28D - Chloride, Fluoride, Sulfate	CCR Metals (Sb,As,Ba,Bi,Cd,Ca,Cr,Cu,Pb,LI,Mo,Se,Ti) - 6020B, 7470 (Hg)	TDS - 2540C, Calcd, pH - SM4500_H+	Total Number of Containers	Special Instructions/Note:
D-1D CCR	2/26/25	11:35	6	Water		X	X	X	X	X	X	6	PLEASE LOGIN USING SITES AND EVENTS
D-2D CCR	2/26/25	13:00	6	Water		X	X	X	X	X	X	6	
D-3D CCR	2/26/25	9:45	6	Water		X	X	X	X	X	X	6	
D-4D CCR	2/27/25	9:35	6	Water		X	X	X	X	X	X	6	MS/MSD
D-5D CCR	2/25/25	15:15	6	Water		X	X	X	X	X	X	6	
D-9 CCR	2/27/25	11:35	6	Water		X	X	X	X	X	X	6	
U-4D CCR	2/25/25	11:30	6	Water		X	X	X	X	X	X	6	
U-4S CCR	2/25/25	10:45	6	Water		X	X	X	X	X	X	6	
U-5D CCR	2/25/25	13:05	6	Water		X	X	X	X	X	X	6	
U-5S CCR	2/25/25	12:45	6	Water		X	X	X	X	X	X	6	MS/MSD
D-1S CCR	2/26/25	10:35	6	Water		X	X	X	X	X	X	6	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological													
Deliverable Requested: I, II, III, IV, Other (specify)													
Empty Kit Relinquished by: _____ Date: _____ Time: _____													
Relinquished by: _____ Date/Time: 2/27/25 12:35 Company: G.E.S.													
Relinquished by: _____ Date/Time: _____ Company: _____													
Relinquished by: _____ Date/Time: _____ Company: _____													
Custody Seals Intact: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks:													
Δ Yes Δ No													

Eurofins Cedar Falls

3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record



Chain of Custody
Record

Client Information		Sampler: <i>N. Schlager</i>		Lab PM: Bindert, Zach T		Carrier Tracking No(s):		COC No: 310-68363-19638.2								
Client Contact: Nicholas Schlager		Phone: 651-742-6085		E-Mail: Zach.Bindert@Eurofinset.com		State of Origin: MN		Page: Page 2 of 2								
Company: Groundwater & Environmental Services Inc		Address: 1301 Corporate Center Drive Suite 190		City: Eagan		State: MN		Zip: 55121-1562								
Phone: 651-742-6085		PO #:		Purchase Order not required		WO #:		Project #: 31013948								
Email: nschlager@gesonline.com		Project Name: SKB Rosemount - CCR Monitoring (SPRING)		Site: Minnesota		SSOW#:		SSOW#:								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Swab, Overstall, etc.)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315 Ra226 - Standard Target List	Ra226Ra228 GFC - Local Method	9320 Ra228 - Standard Target List	9056A ORGFM_28D - Chloride, Fluoride, Sulfate	CCR Metals (Ba,B,Ca,Cr,Co) - 6020B	TDS - 2540C, Calcd, pH - SM4500_H+	Total Number of Containers	Special Instructions/Note:
D-2S CCR		2/26/25	12:50	6	Water				X	X	X	X	X	X		
D-3S CCR		2/26/25	9:30	6	Water				X	X	X	X	X	X		
D-5S2 CCR		2/25/25	14:35	6	Water				X	X	X	X	X	X		
D-4S CCR		2/27/25	9:20	6	Water				X	X	X	X	X	X		
D-8 CCR		2/27/25	10:40	6	Water				X	X	X	X	X	X		
D-7 CCR		-	-	-	Water				X	X	X	X	X	X		No sample, well is dry.
DUP-1 CCR		2/25/25	-	6	Water				X	X	X	X	X	X		
DUP-2 CCR		2/27/25	-	6	Water				X	X	X	X	X	X		
Equipment Blank CCR		2/27/25	11:45	8	Water				X	X	X	X	X	X		
Field Blank 1 CCR		2/25/25	13:30	6	Water				X	X	X	X	X	X		
Possible Hazard Identification																
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological																
Deliverable Requested: I, II, III, IV, Other (specify)																
Empty Kit Relinquished by: _____ Date: _____ Time: _____																
Relinquished by: <i>Mona Sam</i> Date/Time: 2/27/25 17:35 Company: GES																
Relinquished by: _____ Date/Time: _____ Company: _____																
Relinquished by: _____ Date/Time: _____ Company: _____																
Custody Seals Intact: ☐ Yes ☐ No																
Custody Seal No.: _____																
Cooler Temperature(s) °C and Other Remarks: _____																
Special Instructions/CC Requirements: _____																
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																
Method of Shipment: _____																
Received by: _____ Date/Time: 2-27-25 12:39 Company: Eurofins																
Received by: _____ Date/Time: _____ Company: _____																
Received by: _____ Date/Time: _____ Company: _____																

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: U-4S

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: No

Sample Matrix: Groundwater

Equipment Blank Collected: No

PURGE INFORMATION

MS/MSD Collected: 16Method of Well Purge: Dedicated Bladder Pump

Sampler(s): 16. Xh 6/9/1

Casing Length(ft)	32
-------------------	----

Date/Time Initiated: 10/15/25 10:50

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 8.37

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 027.52

One Casing Volume (gal): 5.83

Top of Casing (ft, msl)	832.71
-------------------------	--------

Total Volume Purged (gal): 12.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 8.40'

PURGE DATA

Date/Time Completed: 10/15/25 11:10

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft): 8.40' Sample Point ID: U-4S
 Well Collection Sequence 1 of 17
 Parameters: Annual _____ Semiannual: _____ Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>10/15/15</u> <u>11:10</u>	VOCs: <u>100</u> Other: <u>1000</u>	<u>11.01</u>	<u>8.12</u>	<u>762</u>	<u>11.2</u>	<u>0.00</u>	<u>108</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 48°F, cloudy, 5-10 NE

 Sampling Characteristics: clean

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle) _____ # of Bottles Collected: 17 / 6
 Well Closed and Locked: Yes No (circle) _____

Notes: _____

Minnesota Unique Well ID: 493021

Date: 10/15/15 By: Michael Title: staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: U-4D

Location: Rosemount, MN

Duplicate Collected: MC

Field Blank Collected: 106

Sample Matrix: Groundwater

Equipment Blank Collected: 100

PURGE INFORMATION

MS/MSD Collected: NO

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): 10-101094

Casing Length(ft) 89

Date/Time Initiated: 10/15/25 10:50

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 19.47'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 817.98

One Casing Volume (gal): 11.33

Top of Casing (ft, msl)	837.45
-------------------------	--------

Total Volume Purged (gal): 35.

PID (Background)	0-0	(PPM)
1		
2		
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98		
99		
100		

Purged Dry?: Yes No (circle)

PID (Headspace)	0.0	(PPM)
1	0.0	
2	0.0	
3	0.0	
4	0.0	
5	0.0	
6	0.0	
7	0.0	
8	0.0	
9	0.0	
10	0.0	
11	0.0	
12	0.0	
13	0.0	
14	0.0	
15	0.0	
16	0.0	
17	0.0	
18	0.0	
19	0.0	
20	0.0	
21	0.0	
22	0.0	
23	0.0	
24	0.0	
25	0.0	
26	0.0	
27	0.0	
28	0.0	
29	0.0	
30	0.0	
31	0.0	
32	0.0	
33	0.0	
34	0.0	
35	0.0	
36	0.0	
37	0.0	
38	0.0	
39	0.0	
40	0.0	
41	0.0	
42	0.0	
43	0.0	
44	0.0	
45	0.0	
46	0.0	
47	0.0	
48	0.0	
49	0.0	
50	0.0	
51	0.0	
52	0.0	
53	0.0	
54	0.0	
55	0.0	
56	0.0	
57	0.0	
58	0.0	
59	0.0	
60	0.0	
61	0.0	
62	0.0	
63	0.0	
64	0.0	
65	0.0	
66	0.0	
67	0.0	
68	0.0	
69	0.0	
70	0.0	
71	0.0	
72	0.0	
73	0.0	
74	0.0	
75	0.0	
76	0.0	
77	0.0	
78	0.0	
79	0.0	
80	0.0	
81	0.0	
82	0.0	
83	0.0	
84	0.0	
85	0.0	
86	0.0	
87	0.0	
88	0.0	
89	0.0	
90	0.0	
91	0.0	
92	0.0	
93	0.0	
94	0.0	
95	0.0	
96	0.0	
97	0.0	
98	0.0	
99	0.0	
100	0.0	

Water Level After Purge (ft): 19.48

PURGE DATA

Date/Time Completed: 10/15/25 12:00

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: U-4D

Water Level @ Sampling (ft): 19.90

Well Collection Sequence 2 of 3

Parameters: Annual Semiannual:

Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
12:00	VOCs: 100	10.36	8.37	800	4.4	8.99	110
10/15/25	Other: 1000						

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 48 F, cloudy, 5-10 mph NE

Sampling Characteristics: Clean

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected: 1118

Well Closed and Locked: Yes No (circle

Notes: _____

Minnesota Unique Well ID: 463714

Date: 10/15/2018 By: M. Schladt Title: Stoff pmv. Schladt

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: U-5S

Location: Rosemount, MN

Duplicate Collected:

Field Blank Collected:

Sample Matrix: Groundwater

Equipment Blank Collected:

PURGE INFORMATION

Method of Well Purge: ☐ Dedicated Bladder Pump

MS/MSD Collected:

Sampler(s):

Casing Length(ft)

Date/Time Initiated: 10/8/25 14:00

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 28.17'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 817.79

One Casing Volume (gal): 2.38

Top of Casing (ft, msl)	847.96
-------------------------	--------

Total Volume Purged (gal):

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 28.18

PURGE DATA

Date/Time Completed: 10/15/25 14:40

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

28.18

Sample Point ID:

U-5S

Well Collection Sequence

3 of 17

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
14:26 10/15/28	VOCs: 100 Other: 1000	11.29	8.16	832	12.1	7.10	158

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

50°F cloudy, 5-10 mph NE

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

17/6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

493018

Date:

10/15/28

By:

N. Schlegel

Title:

staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: U-5D

Location: Rosemount, MN

Duplicate Collected: NO

Field Blank Collected: 16

Sample Matrix: Groundwater

Equipment Blank Collected: NO

PURGE INFORMATION

MS/MSD Collected: Mo

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): M. J. Chlopy

Casing Length(ft) 99

Date/Time Initiated: 10/15/25 14:00

Dedicated Equipment: Yes

Initial Water Level (feet): 28.821

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl):

One Casing Volume (gal): 11.44

Top of Casing (ft, msl)	849.69
-------------------------	--------

Total Volume Purged (gal): 35.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes ☐ No ☒ (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 28.93'

PURGE DATA

Date/Time Completed: 10/15/28 15:10

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: U-5D

Water Level @ Sampling (ft): 28.83

Well Collection Sequence 4 of 17

Parameters: Annual _____ Semiannual: _____

Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>15:10</u> <u>10/15/28</u>	VOCs: <u>100</u> Other: <u>1000</u>	<u>10.22</u>	<u>8.44</u>	<u>780</u>	<u>145</u>	<u>7.32</u>	<u>124</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 50°F, cloudy 5-10 mph NE

Sampling Characteristics: clean

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected: 17/6

Well Closed and Locked: Yes No (circle)

Notes:

Minnesota Unique Well ID: 493015

Date: 10/15/28 By: K. Schlager Title: staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-5S2

Location: Rosemount, MN

Duplicate Collected: No

Sample Matrix: Groundwater

Field Blank Collected: No

Equipment Blank Collected: No

PURGE INFORMATION

MS/MSD Collected: No

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): 10-5C/H/201

Casing Length(ft) 126

Date/Time Initiated: 8:35 10/16/25

Dedicated Equipment: Yes

Initial Water Level (feet): 106.02

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 785.79'

One Casing Volume (gal): 3.26

Top of Casing (ft, msl) 891.81

Total Volume Purged (gal): 10.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 106.04'

PURGE DATA

Date/Time Completed: 10/16/25 9:10

Time	Purge Rate (mL/min)	Cumulative Volume (gal)	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Disolved Oxygen (mg/L)	ORP (mV)
8:35	1000	0.1	11.26	8.37	1,170	92.8	2.63	123
8:45	1000	3.0	11.13	8.24	1,130	14.4	4.93	134
8:55	1000	6.0	11.04	8.21	1,130	10.6	4.58	141
9:05	1000	10.0	11.04	8.20	1,130	10.5	4.50	144

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

106.04'

Sample Point ID:

D-5S2

Well Collection Sequence

5 of 17

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
9:10 10/16/25	VOCs: 100 Other: 1000	11.03	8.18	1,130	10.2	4.47	148

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

54°F, cloudy 5-10 mph SE

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

17/16

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

463715

Date:

8/21/25

By:

N. Schlegel

Title:

Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-5D

Location: Rosemount, MN

Duplicate Collected: 20

Field Blank Collected:

Sample Matrix: Groundwater

Equipment Blank Collected: NO

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: 100

Sampler(s): N-12510921

Casing Length(ft)	156
-------------------	-----

Date/Time Initiated: 10/6/25 8:35

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 114.95'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 778.15'

One Casing Volume (gal): 6.67

Top of Casing (ft, msl)	893.08
-------------------------	--------

Total Volume Purged (gal): 40.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 114.97

PURGE DATA

Date/Time Completed: 10/16/25 9:48

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

114.97'

Sample Point ID:

D-5D

Well Collection Sequence

6 of 17

Parameters:

Annual

Semiannual:

Quarterly:

X

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>9:25</u> <u>10/16/25</u>	VOCs: <u>100</u> Other: <u>1000</u>	<u>10.83</u>	<u>8.31</u>	<u>911</u>	<u>10.5</u>	<u>11.20</u>	<u>149</u>

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

54°F, cloudy, 10-15 mph SE

Sampling Characteristics:

Clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected:

~~17~~ 6

Well Closed and Locked: Yes No (circle)

Notes:

Minnesota Unique Well ID:

482825

Date:

10/16/25

By:

N. Schlegel

Title:

Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-3S

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: NO

Sample Matrix: Groundwater

Equipment Blank Collected: No

PURGE INFORMATION

MS/MSD Collected: 100

Method of Well Purge: ☐ Dedicated Bladder Pump

Sampler(s): N. Schlopek

Casing Length(ft)	133
-------------------	-----

Date/Time Initiated: 10/1/25 7:45

Dedicated Equipment: Yes

Initial Water Level (feet): 108.26'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 778.27'

One Casing Volume (gal): 4.03

Top of Casing (ft, msl)	886.53
-------------------------	--------

Total Volume Purged (gal): 12.5

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 106.27

PURGE DATA

Date/Time Completed: 10/10/23 10:20

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

108.27'

Sample Point ID:

D-3S

Well Collection Sequence

7 of 17

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
10/20 10/16/25	VOCs: 100 Other: 1000	12.42	8.10	2,030	173	1.72	816

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

55°F, cloudy, 10-15 mph SE

Sampling Characteristics:

clear - 1 cloudy range

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

17/6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

Date:

10/16/25

By:

N-1-10/16/25

Title:

staff env-Scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: **D-3D**

Location: Rosemount, MN

Duplicate Collected: 106

Field Blank Collected: 100

Sample Matrix: Groundwater

Equipment Blank Collected: NO

MS/MSD Collected: 100

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): M. J. ...

Casing Length(ft)	148
-------------------	-----

Date/Time Initiated: 10/16/25 7:45

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 109.14'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 116.62'

One Casing Volume (gal): 6.33

Top of Casing (ft, msl)	885.76
-------------------------	--------

Total Volume Purged (gal): 19.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 109.15'

PURGE DATA

Date/Time Completed: 10/16/23 10:55

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

109.15'

Sample Point ID:

D-3D

Well Collection Sequence

8 of 17

Parameters:

Annual

Semiannual:

Quarterly: X

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>10:28</u> <u>10/16/28</u>	VOCs: <u>100</u> Other: <u>1000</u>	<u>11.18</u>	<u>8.28</u>	<u>1,000</u>	<u>27.7</u>	<u>10.51</u>	<u>64</u>

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

55°F, cloudy 10-15 mph SE

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected:

16

Well Closed and Locked: Yes No (circle)

Notes:

Minnesota Unique Well ID:

Date:

10/16/28

By:

M. S. S. / S. S. S.

Title:

staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-1 S

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: no

Sample Matrix: Groundwater

Equipment Blank Collected: 100

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: 10

Sampler(s): N-100 bag

Casing Length(ft)	142.4
-------------------	-------

Date/Time Initiated: 10/16/25 11:40

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 121.20'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 177.19

One Casing Volume (gal): 3.46

Top of Casing (ft, msl)	900.39
-------------------------	--------

Total Volume Purged (gal): 10.3

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 21.21'

PURGE DATA

Date/Time Completed: 10/16/25 11:45

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID:

D-1S

Water Level @ Sampling (ft):

121.21'

Well Collection Sequence

9 of 17

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
11:45 10/16/25	VOCs: 100 Other: 1000	12.91	8.14	849	11.8	0.00	112

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

56°F, cloudy, 10-15 mph SE

Sampling Characteristics:

Clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

17/6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

493914

Date:

10/16/25

By:

M. Schlegel

Title:

Staff Env. Scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-1D

Location: Rosemount, MN

Duplicate Collected: Na

Field Blank Collected: Mo

Sample Matrix: Groundwater

Equipment Blank Collected: No

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: NO

Sampler(s): M. Smith

Casing Length(ft)	187.9
-------------------	-------

Date/Time Initiated: 10/16/25 11:10

Dedicated Equipment: Yes

Initial Water Level (feet): 118.07'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 719.31

One Casing Volume (gal): 11.38

Top of Casing (ft, msl)	897.44
-------------------------	--------

Total Volume Purged (gal): 35.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 118.08'

PURGE DATA

Date/Time Completed: 10/6/25 12:10

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

118.08'

Sample Point ID:

D-1D

Well Collection Sequence

10 of 12

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
12:10 10/16/25	VOCs: 1000 Other: 1000	12.39	8.29	799	11.1	5.31	128

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

58°F, rain, 10-15 mph NE

Sampling Characteristics:

Uddr

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

8

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

Date:

10/16/25

By:

N-Schlagel

Title:

staff env scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-2S

Location: Rosemount, MN

Duplicate Collected: no

Field Blank Collected: NO

Sample Matrix: Groundwater

Equipment Blank Collected: Vo

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: 160

Sampler(s): N-Schmidt

Casing Length(ft) 139

Date/Time Initiated: 10/16/25 13:10

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 116.37'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 783.60

One Casing Volume (gal): 3.69

Top of Casing (ft, msl)	899.65
-------------------------	--------

Total Volume Purged (gal): 11.5

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 116.38'

PURGE DATA

Date/Time Completed: 10/16/25 13:43

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

116.38

Sample Point ID:

D-2S

Well Collection Sequence

11 of 17

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
13:45 10/16/25	VOCs: 100 Other: 1000	11.26	8.70	844	13.2	10.21	107

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

58°F, cloudy D-15 mph SE

Sampling Characteristics:

Clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

17/6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

493013

Date:

10/16/25

By:

K. Schiller

Title:

Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-2D

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: 10

Sample Matrix: Groundwater

Equipment Blank Collected: NO

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

MS/MSD Collected: No

Sampler(s): N-Schubert

Casing Length(ft)	162.6
-------------------	-------

Date/Time Initiated: 10/16/25 13:10

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 115.21

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): _____

One Casing Volume (gal): 1.12

Top of Casing (ft, msl)	898.64
-------------------------	--------

Total Volume Purged (gal): 25.0

PID (Background) 0-0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 115.26'

PURGE DATA

Date/Time Completed: 10/16/25 14:20

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

115.22'

Sample Point ID:

D-2D

Well Collection Sequence

12 of 17

Parameters:

Annual

Semiannual:

Quarterly:

X

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
14:00 10/16/25	VOCs: 100 Other: 1000	10.53	8.46	804	13.4	8.30	132

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

57°F cloudy, 10-15 mph SE

Sampling Characteristics:

Clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

482882

Date:

10/16/25

By:

N-Jenior

Title:

Staff env Scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-4S

Location: Rosemount, MN

Duplicate Collected: 1/3 - DWP 6

Field Blank Collected: NO

Sample Matrix: Groundwater

Equipment Blank Collected: NOMS/MSD Collected:

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): Na Sch Vogel

Casing Length(ft) 11.8

Date/Time Initiated: 10/17/25 8:38

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 103.75

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): _____

One Casing Volume (gal): 1.31

Top of Casing (ft, msl)	890.67
-------------------------	--------

Total Volume Purged (gal): 4.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0-0 (PPM)

Water Level After Purge (ft): 103.75

PURGE DATA

Date/Time Completed: 10/17/25 9:55

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

103.75'

Sample Point ID:

D-4S

Well Collection Sequence

13 of 17

Parameters:

Annual

Semiannual:

Quarterly: ☒

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
8:55 10/16/25	VOCs: 100 Other: 1000	12.44	9.21	911	11.7	5.62	203

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

64°F, cloudy, 0-5 mph SE

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: ☒ Yes ☐ No (circle)

of Bottles Collected:

12/6

Well Closed and Locked: ☒ Yes ☐ No (circle)

Notes:

Minnesota Unique Well ID:

462921

Date:

10/17/25

By:

N. Schlegel

Title:

Staff env scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-4D

Location: Rosemount, MN

Duplicate Collected: No

Field Blank Collected: No

Sample Matrix: Groundwater

Equipment Blank Collected: NaMS/MSD Collected: 10

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): 10-14h by 1

Casing Length(ft) 131

Date/Time Initiated: 10/17/25 8:35

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 103.70'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 781.00

One Casing Volume (gal): 4.75

Top of Casing (ft, msl)	890.78
-------------------------	--------

Total Volume Purged (gal): 13.5

PID (Background)	0.0	(PPM)
------------------	-----	-------

Purged Dry?: Yes No (circle)

PID (Headspace) 0-0 (PPM)

Water Level After Purge (ft): 103.71'

PURGE DATA

Date/Time Completed: 10/17/25 9:10

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft):

103.71'

Sample Point ID:

D-4D

Well Collection Sequence

14 of 17

Parameters:

Annual

Semiannual:

Quarterly: X

Monthly:

Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>9:10</u> <u>10/16/25</u>	VOCs: <u>100</u> Other: <u>N/A</u>	<u>12.25</u>	<u>8.21</u>	<u>882</u>	<u>20.0</u>	<u>6.16</u>	<u>146</u>

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling:

65°F, cloudy 5-10 mph SE

Sampling Characteristics:

clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected:

6

Well Closed and Locked: Yes No (circle)

Notes:

Minnesota Unique Well ID:

Date:

10/16/25

By:

M. Ridge

Title:

Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-7

Location: Rosemount, MN

Duplicate Collected:

Field Blank Collected: _____

Sample Matrix: Groundwater

Equipment Blank Collected:

PURGE INFORMATION

MS/MSD Collected: _____

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): *KS*

Casing Length(ft)	105
-------------------	-----

Date/Time Initiated: 10/17/23

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 1.00

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl):

One Casing Volume (gal): 1000

Top of Casing (ft, msl)	901.03
-------------------------	--------

Total Volume Purged (gal):

PID (Background) (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace)	(PPM)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
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56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Water Level After Purge (ft):

PURGE DATA

Date/Time Completed: _____

Time	Purge Rate (mL/min)	Cumulative Volume (gal)	Temp ($^{\circ}\text{C}$)	pH (std units)	Specific Conductance ($\mu\text{S} - \mu\text{mhos/cm}$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
DID NOT SAMPLE WELL IS DRY								

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-7

Water Level @ Sampling (ft): _____

Well Collection Sequence _____ of _____

Parameters: Annual _____ Semiannual: _____

Quarterly: _____ Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
	VOCs:						
	Other:						

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: _____

Sampling Characteristics: _____

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle) _____

of Bottles Collected: _____

Well Closed and Locked: Yes No (circle) _____

Notes: _____

Minnesota Unique Well ID: _____

Date: _____ By: _____ Title: _____

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Date/Time Completed: 10/7/28 11:23

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Sample Point ID: D-8

Water Level @ Sampling (ft): 106.82'

Well Collection Sequence 16 of 17

Parameters: Annual Semiannual:

Quarterly: X Monthly: Other:

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>11:25</u> <u>10/17/26</u>	VOCs: <u>100</u> Other: <u>1000</u>	<u>11.52</u>	<u>8.44</u>	<u>825</u>	<u>239</u>	<u>11.29</u>	<u>147</u>

YSI Serial Number:

YSI Sonde Serial Number:

GENERAL INFORMATION:

Weather Conditions @ sampling: 67°F, partly cloudy, 10-15 mph SE

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: X Yes No (circle)

of Bottles Collected: 17/6

Well Closed and Locked: X Yes No (circle)

Notes:

Minnesota Unique Well ID: 727735

Date: 10/17/26 By: M. Schlegel Title: Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

FIELD INFORMATION LOG Part 1

Facility: SKB Landfill (Rosemount)

Sample Location: D-9

Location: Rosemount, MN

Duplicate Collected: 10

Field Blank Collected: 1/8 - Field

Sample Matrix: Groundwater

Equipment Blank Collected: Yes

MS/MSD Collected: ho

PURGE INFORMATION

Method of Well Purge: Dedicated Bladder Pump

Sampler(s): N-Schulz

Casing Length(ft) 114

Date/Time Initiated: 10/17/28 11:45

Dedicated Equipment: ☒ Yes

Initial Water Level (feet): 96.34'

Casing Diameter (inches): 2

Ground Water Elevation (ft, msl): 808.22

One Casing Volume (gal): 2-88

Top of Casing (ft, msl)	904.56
-------------------------	--------

Total Volume Purged (gal): 9.0

PID (Background) 0.0 (PPM)

Purged Dry?: Yes No (circle)

PID (Headspace) 0.0 (PPM)

Water Level After Purge (ft): 96.55'

PURGE DATA

Date/Time Completed: 10/17/25 12:20

[illegible]

FIELD INFORMATION LOG Part 2

SAMPLING INFORMATION:

Water Level @ Sampling (ft): 96.35'

Sample Point ID: D-9

Well Collection Sequence 17 of 17

Parameters: Annual _____ Semiannual: _____

Quarterly: X Monthly: _____ Other: _____

SAMPLE DATA:

Time & Date	Sample Rate	Temp (°C)	pH (std units)	Specific Conductance (uS - umhos/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	O ₂ Reduction Potential (mV)
<u>12:20</u> <u>10/17/25</u>	VOCs: <u>100</u> Other: <u>1000</u>	<u>12.72</u>	<u>8.02</u>	<u>969</u>	<u>23.8</u>	<u>3.38</u>	<u>-31</u>

YSI Serial Number: _____

YSI Sonde Serial Number: _____

GENERAL INFORMATION:

Weather Conditions @ sampling: 68°F cloudy, 10-15 mph SE

Sampling Characteristics: clear

COMMENTS AND OBSERVATIONS:

Full Bottle Set Collected: Yes No (circle)

of Bottles Collected: 17/6

Well Closed and Locked: Yes No (circle)

Notes: _____

Minnesota Unique Well ID: 766141

Date: 10/17/25 By: N. Schuldy et Title: Staff env. scientist

Company: Groundwater and Environmental Services, Inc.

Client Information		Samp. No. 101725		Lab PM: Bindert, Zach T		Carrier Tracking No(s): 310-68363-19638.1	
Client Contact: Nicholas Schlager		Phone: 651-792-0053		E-Mail: Zach.Bindert@Eurofinset.com		Page: 1 of 2	
Company: Groundwater & Environmental Services Inc.		PWSID: 651-792-0053		State of Origin: MN		Job #: 3502287/1401870	
Address: 1301 Corporate Center Drive Suite 190		Due Date Requested:		Analysis Requested		Preservation Codes:	
City: Eagan		TAT Requested (days): Standard TAT		Field Filtered Sample (Yes or No)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
State, Zip: MN, 55121-1562		Compliance Project: Δ Yes Δ No		Perform MS/MSD (Yes or No)		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone:		Purchase Order not required		9316_Ra226 - Standard Target List		Total Number of Containers	
Email: nschlager@gesonline.com		WO #:		9320_Ra228 - Standard Target List		Special Instructions/Note:	
Project Name: SKB Rosemount - CCR Monitoring (SPRING)		Project #:		9066A_ORGFM_28D - Chloride, Fluoride, Sulfate		PLEASE LOGIN USING SITES AND EVENTS	
Site: Minnesota		SSOW#:		6020B_7470 (Hg)			
				TDS - 2540C, Calcd, pH - SM4500_H+			
				CCR Metals (Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Pb, Li, Mo, Se, Ti)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			
				Perform MS/MSD (Yes or No)			
				9316_Ra226 - Standard Target List			
				9320_Ra228 - Standard Target List			
				Field Filtered Sample (Yes or No)			

Header: Eurofins Cedar Falls, Chain of Custody Record, Eurofins Minneapolis SC, 213, Environment Test America

Client Information: 3019 Venture Way, Cedar Falls, IA 50613, Phone (319) 277-2401

Sample Information: 1301 Corporate Center Drive Suite 190, Eagan, MN 55121-1562

Analysis Requested: TAT Requested (days): Standard TAT

Table: Sample Identification, Sample Date, Sample Time, Sample Type, Matrix, Field Filtered Sample (Yes or No), 9315 Ra228 - Standard Target List, 9066A_ORGFM_28D - Chloride, Fluoride, Sulfate, CCR Metals (Ba, B, Ca, Cr, Co) - 6020B, TDS - 2540C - Calcd, pH - SM4500_H+

Table: Special Instructions/Note: PLEASE LOGIN USING SITES AND EVENTS

Table: Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, Other:

Possible Hazard Identification: Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological

Deliverable Requested: 1, II, III, IV, Other (specify)

Empty Kit Relinquished by: Date: 10/17/25

Relinquished by: Date: 10/17/25

Relinquished by: Date: 10/17/25

Relinquished by: Date: 10/17/25

Custody Seal No.: 10/17/25

Company: Eurofins



Appendix B – Laboratory Analytical Reports



ANALYTICAL REPORT

PREPARED FOR

Attn: Miranda Gonzalez
Waste Connections, Inc.
13425 Courthouse Blvd
Rosemount, Minnesota 55068

Generated 4/7/2025 2:53:48 PM

JOB DESCRIPTION

SKB Rosemount - CCR Monitoring (SPRING)
CCR Groundwater (FALL)

JOB NUMBER

310-301112-1

Eurofins Cedar Falls

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Zach Bindert, Senior Project Manager
Zach.Bindert@et.eurofinsus.com
(319)595-2016

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Case Narrative

Client: Waste Connections, Inc.
Project: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Job ID: 310-301112-1

Eurofins Cedar Falls

Job Narrative 310-301112-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/28/2025 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.5°C, 0.6°C, 0.7°C, 0.7°C, 1.0°C, 1.1°C, 1.5°C, 1.6°C and 2.5°C.

HPLC/IC

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: D-1D CCR (310-301112-1), D-2D CCR (310-301112-2), D-3D CCR (310-301112-3), D-4D CCR (310-301112-4), D-5D CCR (310-301112-5), D-9 CCR (310-301112-6) and U-4D CCR (310-301112-7). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: U-4S CCR (310-301112-8), U-5D CCR (310-301112-9), U-5S CCR (310-301112-10), D-1S CCR (310-301112-11), D-2S CCR (310-301112-12), D-3S CCR (310-301112-13), D-5S2 CCR (310-301112-14), D-4S CCR (310-301112-15), D-8 CCR (310-301112-16), DUP-1 CCR (310-301112-17), DUP-2 CCR (310-301112-18), Equipment Blank CCR (310-301112-19) and Field Blank 1 CCR (310-301112-20). 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

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

Eurofins Cedar Falls

Case Narrative

Client: Waste Connections, Inc.
Project: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Job ID: 310-301112-2

Eurofins Cedar Falls

Job Narrative 310-301112-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/28/2025 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.5°C, 0.6°C, 0.7°C, 0.7°C, 1.0°C, 1.1°C, 1.5°C, 1.6°C and 2.5°C.

Gas Flow Proportional Counter

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

Rad

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

Eurofins Cedar Falls

Sample Summary

Client: Waste Connections, Inc.

Job ID: 310-301112-1

Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-301112-1	D-1D CCR	Ground Water	02/26/25 11:55	02/28/25 12:50
310-301112-2	D-2D CCR	Ground Water	02/26/25 13:00	02/28/25 12:50
310-301112-3	D-3D CCR	Ground Water	02/26/25 09:45	02/28/25 12:50
310-301112-4	D-4D CCR	Ground Water	02/27/25 09:35	02/28/25 12:50
310-301112-5	D-5D CCR	Ground Water	02/25/25 15:15	02/28/25 12:50
310-301112-6	D-9 CCR	Ground Water	02/27/25 11:35	02/28/25 12:50
310-301112-7	U-4D CCR	Ground Water	02/25/25 11:30	02/28/25 12:50
310-301112-8	U-4S CCR	Ground Water	02/25/25 10:45	02/28/25 12:50
310-301112-9	U-5D CCR	Ground Water	02/25/25 13:05	02/28/25 12:50
310-301112-10	U-5S CCR	Ground Water	02/25/25 12:45	02/28/25 12:50
310-301112-11	D-1S CCR	Ground Water	02/26/25 10:35	02/28/25 12:50
310-301112-12	D-2S CCR	Ground Water	02/26/25 12:50	02/28/25 12:50
310-301112-13	D-3S CCR	Ground Water	02/26/25 09:30	02/28/25 12:50
310-301112-14	D-5S2 CCR	Ground Water	02/25/25 14:35	02/28/25 12:50
310-301112-15	D-4S CCR	Ground Water	02/27/25 09:20	02/28/25 12:50
310-301112-16	D-8 CCR	Ground Water	02/27/25 10:40	02/28/25 12:50
310-301112-17	DUP-1 CCR	Ground Water	02/25/25 00:00	02/28/25 12:50
310-301112-18	DUP-2 CCR	Ground Water	02/27/25 00:00	02/28/25 12:50
310-301112-19	Equipment Blank CCR	Water	02/27/25 11:45	02/28/25 12:50
310-301112-20	Field Blank 1 CCR	Water	02/25/25 13:30	02/28/25 12:50

Detection Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-1D CCR

Lab Sample ID: 310-301112-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	32		5.0		mg/L	5		9056A	Total/NA
Sulfate	25		5.0		mg/L	5		9056A	Total/NA
Barium	0.048		0.0020		mg/L	1		6020B	Total/NA
Calcium	91.3		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	376		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-2D CCR

Lab Sample ID: 310-301112-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	28		5.0		mg/L	5		9056A	Total/NA
Sulfate	21		5.0		mg/L	5		9056A	Total/NA
Barium	0.051		0.0020		mg/L	1		6020B	Total/NA
Calcium	90.6		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	424		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.6	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-3D CCR

Lab Sample ID: 310-301112-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	88		5.0		mg/L	5		9056A	Total/NA
Sulfate	29		5.0		mg/L	5		9056A	Total/NA
Barium	0.071		0.0020		mg/L	1		6020B	Total/NA
Calcium	106		0.50		mg/L	1		6020B	Total/NA
Chromium	0.43		0.0050		mg/L	1		6020B	Total/NA
Molybdenum	0.0026		0.0020		mg/L	1		6020B	Total/NA
Total Dissolved Solids	496		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.6	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-4D CCR

Lab Sample ID: 310-301112-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	47		5.0		mg/L	5		9056A	Total/NA
Sulfate	23		5.0		mg/L	5		9056A	Total/NA
Barium	0.070		0.0020		mg/L	1		6020B	Total/NA
Calcium	104		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	480		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-5D CCR

Lab Sample ID: 310-301112-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	64		5.0		mg/L	5		9056A	Total/NA
Sulfate	28		5.0		mg/L	5		9056A	Total/NA
Barium	0.058		0.0020		mg/L	1		6020B	Total/NA
Calcium	104		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	444		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-9 CCR

Lab Sample ID: 310-301112-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	43		5.0		mg/L	5		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-9 CCR (Continued)

Lab Sample ID: 310-301112-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	12		5.0		mg/L	5		9056A	Total/NA
Barium	0.086		0.0020		mg/L	1		6020B	Total/NA
Calcium	114		0.50		mg/L	1		6020B	Total/NA
Chromium	0.0064		0.0050		mg/L	1		6020B	Total/NA
Cobalt	0.00063		0.00050		mg/L	1		6020B	Total/NA
Total Dissolved Solids	452		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.3	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: U-4D CCR

Lab Sample ID: 310-301112-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31		5.0		mg/L	5		9056A	Total/NA
Sulfate	22		5.0		mg/L	5		9056A	Total/NA
Barium	0.044		0.0020		mg/L	1		6020B	Total/NA
Calcium	97.1		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	392		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.6	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: U-4S CCR

Lab Sample ID: 310-301112-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	43		5.0		mg/L	5		9056A	Total/NA
Sulfate	31		5.0		mg/L	5		9056A	Total/NA
Barium	0.043		0.0020		mg/L	1		6020B	Total/NA
Calcium	93.4		0.50		mg/L	1		6020B	Total/NA
Chromium	0.028		0.0050		mg/L	1		6020B	Total/NA
Total Dissolved Solids	408		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.3	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: U-5D CCR

Lab Sample ID: 310-301112-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31		5.0		mg/L	5		9056A	Total/NA
Sulfate	26		5.0		mg/L	5		9056A	Total/NA
Barium	0.053		0.0020		mg/L	1		6020B	Total/NA
Calcium	80.7		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	378		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: U-5S CCR

Lab Sample ID: 310-301112-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	49		5.0		mg/L	5		9056A	Total/NA
Sulfate	25		5.0		mg/L	5		9056A	Total/NA
Barium	0.063		0.0020		mg/L	1		6020B	Total/NA
Calcium	89.9		0.50		mg/L	1		6020B	Total/NA
Lead	0.0021		0.00050		mg/L	1		6020B	Total/NA
Total Dissolved Solids	418		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-1S CCR

Lab Sample ID: 310-301112-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	47		5.0		mg/L	5		9056A	Total/NA
Sulfate	19		5.0		mg/L	5		9056A	Total/NA
Barium	0.043		0.0020		mg/L	1		6020B	Total/NA
Calcium	82.8		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	416		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-2S CCR

Lab Sample ID: 310-301112-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	45		5.0		mg/L	5		9056A	Total/NA
Sulfate	22		5.0		mg/L	5		9056A	Total/NA
Barium	0.044		0.0020		mg/L	1		6020B	Total/NA
Calcium	90.6		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	428		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-3S CCR

Lab Sample ID: 310-301112-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	650		20		mg/L	20		9056A	Total/NA
Sulfate	49		5.0		mg/L	5		9056A	Total/NA
Barium	0.17		0.0020		mg/L	1		6020B	Total/NA
Calcium	236		0.50		mg/L	1		6020B	Total/NA
Chromium	1.9		0.0050		mg/L	1		6020B	Total/NA
Cobalt	0.0022		0.00050		mg/L	1		6020B	Total/NA
Lead	0.00056		0.00050		mg/L	1		6020B	Total/NA
Molybdenum	0.049		0.0020		mg/L	1		6020B	Total/NA
Mercury	0.00021		0.00020		mg/L	1		7470A	Total/NA
Total Dissolved Solids	1330		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-5S2 CCR

Lab Sample ID: 310-301112-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	120		5.0		mg/L	5		9056A	Total/NA
Sulfate	52		5.0		mg/L	5		9056A	Total/NA
Barium	0.073		0.0020		mg/L	1		6020B	Total/NA
Boron	0.10		0.10		mg/L	1		6020B	Total/NA
Calcium	121		0.50		mg/L	1		6020B	Total/NA
Chromium	0.044		0.0050		mg/L	1		6020B	Total/NA
Total Dissolved Solids	578		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.7	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-4S CCR

Lab Sample ID: 310-301112-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	49		5.0		mg/L	5		9056A	Total/NA
Sulfate	27		5.0		mg/L	5		9056A	Total/NA
Barium	0.079		0.0020		mg/L	1		6020B	Total/NA
Calcium	100		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	476		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.6	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-8 CCR

Lab Sample ID: 310-301112-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	19		5.0		mg/L	5		9056A	Total/NA
Sulfate	33		5.0		mg/L	5		9056A	Total/NA
Barium	0.067		0.0020		mg/L	1		6020B	Total/NA
Calcium	95.8		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	442		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: DUP-1 CCR

Lab Sample ID: 310-301112-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	48		5.0		mg/L	5		9056A	Total/NA
Sulfate	25		5.0		mg/L	5		9056A	Total/NA
Barium	0.065		0.0020		mg/L	1		6020B	Total/NA
Calcium	93.4		0.50		mg/L	1		6020B	Total/NA
Lead	0.0022		0.00050		mg/L	1		6020B	Total/NA
Total Dissolved Solids	426		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: DUP-2 CCR

Lab Sample ID: 310-301112-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	47		5.0		mg/L	5		9056A	Total/NA
Sulfate	24		5.0		mg/L	5		9056A	Total/NA
Barium	0.069		0.0020		mg/L	1		6020B	Total/NA
Calcium	99.2		0.50		mg/L	1		6020B	Total/NA
Chromium	0.037		0.0050		mg/L	1		6020B	Total/NA
Total Dissolved Solids	458		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: Equipment Blank CCR

Lab Sample ID: 310-301112-19

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	6.1	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: Field Blank 1 CCR

Lab Sample ID: 310-301112-20

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	6.3	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-1D CCR

Lab Sample ID: 310-301112-1

Date Collected: 02/26/25 11:55

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32		5.0		mg/L			03/07/25 12:26	5
Fluoride	<1.0		1.0		mg/L			03/07/25 12:26	5
Sulfate	25		5.0		mg/L			03/07/25 12:26	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:11	1
Arsenic	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:11	1
Barium	0.048		0.0020		mg/L		03/04/25 09:00	03/10/25 18:11	1
Beryllium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:11	1
Boron	<0.10		0.10		mg/L		03/04/25 09:00	03/10/25 18:11	1
Cadmium	<0.00020		0.00020		mg/L		03/04/25 09:00	03/10/25 18:11	1
Calcium	91.3		0.50		mg/L		03/04/25 09:00	03/10/25 18:11	1
Chromium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:11	1
Cobalt	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:11	1
Lead	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:11	1
Lithium	<0.010		0.010		mg/L		03/04/25 09:00	03/10/25 18:11	1
Molybdenum	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:11	1
Selenium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:11	1
Thallium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	376		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			02/28/25 16:50	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.104	U	0.0754	0.0758	1.00	0.104	pCi/L	03/04/25 07:38	04/01/25 07:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.0		30 - 110					03/04/25 07:38	04/01/25 07:29	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.643	U	0.391	0.392	1.00	0.643	pCi/L	03/04/25 07:42	03/27/25 14:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.0		30 - 110					03/04/25 07:42	03/27/25 14:34	1
Y Carrier	74.4		30 - 110					03/04/25 07:42	03/27/25 14:34	1

Eurofins Cedar Falls

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-1D CCR
Date Collected: 02/26/25 11:55
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-1
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.643	U	0.398	0.399	5.00	0.643	pCi/L		04/07/25 13:07	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-2D CCR

Lab Sample ID: 310-301112-2

Date Collected: 02/26/25 13:00

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28		5.0		mg/L			03/07/25 12:42	5
Fluoride	<1.0		1.0		mg/L			03/07/25 12:42	5
Sulfate	21		5.0		mg/L			03/07/25 12:42	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:14	1
Arsenic	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:14	1
Barium	0.051		0.0020		mg/L		03/04/25 09:00	03/10/25 18:14	1
Beryllium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:14	1
Boron	<0.10		0.10		mg/L		03/04/25 09:00	03/10/25 18:14	1
Cadmium	<0.00020		0.00020		mg/L		03/04/25 09:00	03/10/25 18:14	1
Calcium	90.6		0.50		mg/L		03/04/25 09:00	03/10/25 18:14	1
Chromium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:14	1
Cobalt	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:14	1
Lead	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:14	1
Lithium	<0.010		0.010		mg/L		03/04/25 09:00	03/10/25 18:14	1
Molybdenum	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:14	1
Selenium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:14	1
Thallium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	424		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.6	HF	1.0		SU			02/28/25 16:54	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.133	U	0.0754	0.0755	1.00	0.133	pCi/L	03/04/25 07:38	04/01/25 07:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	90.8		30 - 110					03/04/25 07:38	04/01/25 07:29	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.503	U	0.268	0.268	1.00	0.503	pCi/L	03/04/25 07:42	03/27/25 14:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	90.8		30 - 110					03/04/25 07:42	03/27/25 14:35	1
Y Carrier	82.2		30 - 110					03/04/25 07:42	03/27/25 14:35	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-2D CCR

Lab Sample ID: 310-301112-2

Date Collected: 02/26/25 13:00

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.503	U	0.278	0.278	5.00	0.503	pCi/L		04/07/25 13:07	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-3D CCR

Lab Sample ID: 310-301112-3

Date Collected: 02/26/25 09:45

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88		5.0		mg/L			03/07/25 12:58	5
Fluoride	<1.0		1.0		mg/L			03/07/25 12:58	5
Sulfate	29		5.0		mg/L			03/07/25 12:58	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:16	1
Arsenic	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:16	1
Barium	0.071		0.0020		mg/L		03/04/25 09:00	03/10/25 18:16	1
Beryllium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:16	1
Boron	<0.10		0.10		mg/L		03/04/25 09:00	03/10/25 18:16	1
Cadmium	<0.00020		0.00020		mg/L		03/04/25 09:00	03/10/25 18:16	1
Calcium	106		0.50		mg/L		03/04/25 09:00	03/10/25 18:16	1
Chromium	0.43		0.0050		mg/L		03/04/25 09:00	03/10/25 18:16	1
Cobalt	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:16	1
Lead	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:16	1
Lithium	<0.010		0.010		mg/L		03/04/25 09:00	03/10/25 18:16	1
Molybdenum	0.0026		0.0020		mg/L		03/04/25 09:00	03/11/25 11:24	1
Selenium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:16	1
Thallium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	496		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.6	HF	1.0		SU			02/28/25 16:30	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.214		0.105	0.107	1.00	0.120	pCi/L	03/04/25 07:38	04/01/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.5		30 - 110					03/04/25 07:38	04/01/25 07:31	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.502	U	0.323	0.325	1.00	0.502	pCi/L	03/04/25 07:42	03/27/25 14:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.5		30 - 110					03/04/25 07:42	03/27/25 14:35	1
Y Carrier	81.5		30 - 110					03/04/25 07:42	03/27/25 14:35	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-3D CCR

Lab Sample ID: 310-301112-3

Date Collected: 02/26/25 09:45

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.595		0.340	0.342	5.00	0.502	pCi/L		04/07/25 13:07	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-4D CCR

Lab Sample ID: 310-301112-4

Date Collected: 02/27/25 09:35

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47		5.0		mg/L			03/07/25 13:13	5
Fluoride	<1.0		1.0		mg/L			03/07/25 13:13	5
Sulfate	23		5.0		mg/L			03/07/25 13:13	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 17:51	1
Arsenic	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 17:51	1
Barium	0.070		0.0020		mg/L		03/04/25 09:00	03/10/25 17:51	1
Beryllium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 17:51	1
Boron	<0.10		0.10		mg/L		03/04/25 09:00	03/10/25 17:51	1
Cadmium	<0.00020		0.00020		mg/L		03/04/25 09:00	03/10/25 17:51	1
Calcium	104		0.50		mg/L		03/04/25 09:00	03/10/25 17:51	1
Chromium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 17:51	1
Cobalt	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 17:51	1
Lead	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 17:51	1
Lithium	<0.010		0.010		mg/L		03/04/25 09:00	03/10/25 17:51	1
Molybdenum	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 17:51	1
Selenium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 17:51	1
Thallium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 17:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/04/25 09:23	03/04/25 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	480		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/28/25 16:26	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.113	U	0.0638	0.0639	1.00	0.113	pCi/L	03/04/25 07:38	04/01/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.0		30 - 110					03/04/25 07:38	04/01/25 07:31	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.559	U	0.339	0.340	1.00	0.559	pCi/L	03/04/25 07:42	03/27/25 14:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.0		30 - 110					03/04/25 07:42	03/27/25 14:35	1
Y Carrier	83.7		30 - 110					03/04/25 07:42	03/27/25 14:35	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-4D CCR
Date Collected: 02/27/25 09:35
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-4
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.559	U	0.345	0.346	5.00	0.559	pCi/L		04/07/25 13:07	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-5D CCR

Lab Sample ID: 310-301112-5

Date Collected: 02/25/25 15:15

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64		5.0		mg/L			03/07/25 14:00	5
Fluoride	<1.0		1.0		mg/L			03/07/25 14:00	5
Sulfate	28		5.0		mg/L			03/07/25 14:00	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:19	1
Arsenic	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:19	1
Barium	0.058		0.0020		mg/L		03/04/25 09:00	03/10/25 18:19	1
Beryllium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:19	1
Boron	<0.10		0.10		mg/L		03/04/25 09:00	03/10/25 18:19	1
Cadmium	<0.00020		0.00020		mg/L		03/04/25 09:00	03/10/25 18:19	1
Calcium	104		0.50		mg/L		03/04/25 09:00	03/10/25 18:19	1
Chromium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:19	1
Cobalt	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:19	1
Lead	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:19	1
Lithium	<0.010		0.010		mg/L		03/04/25 09:00	03/10/25 18:19	1
Molybdenum	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:19	1
Selenium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:19	1
Thallium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	444		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			02/28/25 16:41	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.107	U	0.0678	0.0681	1.00	0.107	pCi/L	03/04/25 07:38	04/01/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	93.2		30 - 110					03/04/25 07:38	04/01/25 07:31	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.564		0.355	0.358	1.00	0.518	pCi/L	03/04/25 07:42	03/27/25 14:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	93.2		30 - 110					03/04/25 07:42	03/27/25 14:35	1
Y Carrier	82.2		30 - 110					03/04/25 07:42	03/27/25 14:35	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-5D CCR
Date Collected: 02/25/25 15:15
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-5
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228										
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.626		0.361	0.364	5.00	0.518	pCi/L		04/07/25 13:07	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-9 CCR

Lab Sample ID: 310-301112-6

Date Collected: 02/27/25 11:35

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43		5.0		mg/L			03/07/25 14:16	5
Fluoride	<1.0		1.0		mg/L			03/07/25 14:16	5
Sulfate	12		5.0		mg/L			03/07/25 14:16	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:22	1
Arsenic	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:22	1
Barium	0.086		0.0020		mg/L		03/04/25 09:00	03/10/25 18:22	1
Beryllium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:22	1
Boron	<0.10		0.10		mg/L		03/04/25 09:00	03/10/25 18:22	1
Cadmium	<0.00020		0.00020		mg/L		03/04/25 09:00	03/10/25 18:22	1
Calcium	114		0.50		mg/L		03/04/25 09:00	03/10/25 18:22	1
Chromium	0.0064		0.0050		mg/L		03/04/25 09:00	03/10/25 18:22	1
Cobalt	0.00063		0.00050		mg/L		03/04/25 09:00	03/10/25 18:22	1
Lead	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:22	1
Lithium	<0.010		0.010		mg/L		03/04/25 09:00	03/10/25 18:22	1
Molybdenum	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:22	1
Selenium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:22	1
Thallium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	452		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.3	HF	1.0		SU			02/28/25 16:32	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.152	U	0.0874	0.0875	1.00	0.152	pCi/L	03/04/25 07:38	04/01/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	82.5		30 - 110					03/04/25 07:38	04/01/25 07:43	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.692	U	0.364	0.364	1.00	0.692	pCi/L	03/04/25 07:42	03/27/25 14:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	82.5		30 - 110					03/04/25 07:42	03/27/25 14:35	1
Y Carrier	75.5		30 - 110					03/04/25 07:42	03/27/25 14:35	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-9 CCR
Date Collected: 02/27/25 11:35
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-6
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.692	U	0.374	0.374	5.00	0.692	pCi/L		04/07/25 13:07	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-4D CCR

Lab Sample ID: 310-301112-7

Date Collected: 02/25/25 11:30

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31		5.0		mg/L			03/07/25 14:31	5
Fluoride	<1.0		1.0		mg/L			03/07/25 14:31	5
Sulfate	22		5.0		mg/L			03/07/25 14:31	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:25	1
Arsenic	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:25	1
Barium	0.044		0.0020		mg/L		03/04/25 09:00	03/10/25 18:25	1
Beryllium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:25	1
Boron	<0.10		0.10		mg/L		03/04/25 09:00	03/10/25 18:25	1
Cadmium	<0.00020		0.00020		mg/L		03/04/25 09:00	03/10/25 18:25	1
Calcium	97.1		0.50		mg/L		03/04/25 09:00	03/10/25 18:25	1
Chromium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:25	1
Cobalt	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:25	1
Lead	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 18:25	1
Lithium	<0.010		0.010		mg/L		03/04/25 09:00	03/10/25 18:25	1
Molybdenum	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 18:25	1
Selenium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 18:25	1
Thallium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 18:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	392		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.6	HF	1.0		SU			02/28/25 16:44	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.152	U	0.0873	0.0874	1.00	0.152	pCi/L	03/04/25 07:38	04/01/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	81.4		30 - 110					03/04/25 07:38	04/01/25 07:43	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.539	U	0.252	0.252	1.00	0.539	pCi/L	03/04/25 07:42	03/27/25 14:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	81.4		30 - 110					03/04/25 07:42	03/27/25 14:35	1
Y Carrier	85.6		30 - 110					03/04/25 07:42	03/27/25 14:35	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-4D CCR
Date Collected: 02/25/25 11:30
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-7
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.539	U	0.267	0.267	5.00	0.539	pCi/L		04/07/25 13:07	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-4S CCR

Lab Sample ID: 310-301112-8

Date Collected: 02/25/25 10:45

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43		5.0		mg/L			03/05/25 12:11	5
Fluoride	<1.0		1.0		mg/L			03/05/25 12:11	5
Sulfate	31		5.0		mg/L			03/05/25 12:11	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:32	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:32	1
Barium	0.043		0.0020		mg/L		03/05/25 09:00	03/11/25 13:32	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:32	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:32	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:32	1
Calcium	93.4		0.50		mg/L		03/05/25 09:00	03/11/25 13:32	1
Chromium	0.028		0.0050		mg/L		03/05/25 09:00	03/11/25 13:32	1
Cobalt	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:32	1
Lead	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:32	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:32	1
Molybdenum	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:32	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:32	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	408		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.3	HF	1.0		SU			02/28/25 16:55	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.180	U	0.121	0.122	1.00	0.180	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	85.6		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.632	U	0.330	0.330	1.00	0.632	pCi/L	03/04/25 07:42	03/27/25 14:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	85.6		30 - 110					03/04/25 07:42	03/27/25 14:35	1
Y Carrier	89.7		30 - 110					03/04/25 07:42	03/27/25 14:35	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-4S CCR
Date Collected: 02/25/25 10:45
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-8
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.632	U	0.351	0.352	5.00	0.632	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-5D CCR

Lab Sample ID: 310-301112-9

Date Collected: 02/25/25 13:05

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31		5.0		mg/L			03/05/25 12:27	5
Fluoride	<1.0		1.0		mg/L			03/05/25 12:27	5
Sulfate	26		5.0		mg/L			03/05/25 12:27	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:23	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:23	1
Barium	0.053		0.0020		mg/L		03/05/25 09:00	03/11/25 13:23	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:23	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:23	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:23	1
Calcium	80.7		0.50		mg/L		03/05/25 09:00	03/11/25 13:23	1
Chromium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:23	1
Cobalt	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:23	1
Lead	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:23	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:23	1
Molybdenum	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:23	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:23	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	378		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			02/28/25 16:43	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.155	U	0.106	0.106	1.00	0.155	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	85.3		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.587	U	0.362	0.363	1.00	0.587	pCi/L	03/04/25 07:42	03/27/25 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	85.3		30 - 110					03/04/25 07:42	03/27/25 14:30	1
Y Carrier	83.4		30 - 110					03/04/25 07:42	03/27/25 14:30	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-5D CCR
Date Collected: 02/25/25 13:05
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-9
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.587	U	0.377	0.378	5.00	0.587	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-5S CCR

Lab Sample ID: 310-301112-10

Date Collected: 02/25/25 12:45

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49		5.0		mg/L			03/05/25 13:13	5
Fluoride	<1.0		1.0		mg/L			03/05/25 13:13	5
Sulfate	25		5.0		mg/L			03/05/25 13:13	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:13	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:13	1
Barium	0.063		0.0020		mg/L		03/05/25 09:00	03/11/25 13:13	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:13	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:13	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:13	1
Calcium	89.9		0.50		mg/L		03/05/25 09:00	03/11/25 13:13	1
Chromium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:13	1
Cobalt	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:13	1
Lead	0.0021		0.00050		mg/L		03/05/25 09:00	03/11/25 13:13	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:13	1
Molybdenum	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:13	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:13	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	418		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/28/25 16:51	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.158	U	0.0896	0.0897	1.00	0.158	pCi/L	03/04/25 07:30	04/01/25 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.0		30 - 110					03/04/25 07:30	04/01/25 07:42	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.835		0.456	0.462	1.00	0.652	pCi/L	03/27/25 11:40	04/04/25 10:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	72.6		30 - 110					03/27/25 11:40	04/04/25 10:26	1
Y Carrier	79.3		30 - 110					03/27/25 11:40	04/04/25 10:26	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-5S CCR
Date Collected: 02/25/25 12:45
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-10
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228										
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.882		0.465	0.471	5.00	0.652	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-1S CCR

Lab Sample ID: 310-301112-11

Date Collected: 02/26/25 10:35

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47		5.0		mg/L			03/05/25 14:00	5
Fluoride	<1.0		1.0		mg/L			03/05/25 14:00	5
Sulfate	19		5.0		mg/L			03/05/25 14:00	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:35	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:35	1
Barium	0.043		0.0020		mg/L		03/05/25 09:00	03/11/25 13:35	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:35	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:35	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:35	1
Calcium	82.8		0.50		mg/L		03/05/25 09:00	03/11/25 13:35	1
Chromium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:35	1
Cobalt	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:35	1
Lead	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:35	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:35	1
Molybdenum	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:35	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:35	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	416		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/28/25 16:53	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.169	U	0.117	0.117	1.00	0.169	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	79.8		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.626	U	0.382	0.383	1.00	0.626	pCi/L	03/04/25 07:42	03/27/25 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	79.8		30 - 110					03/04/25 07:42	03/27/25 14:30	1
Y Carrier	85.2		30 - 110					03/04/25 07:42	03/27/25 14:30	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-1S CCR
Date Collected: 02/26/25 10:35
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-11
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.626	U	0.400	0.400	5.00	0.626	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-2S CCR

Lab Sample ID: 310-301112-12

Date Collected: 02/26/25 12:50

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45		5.0		mg/L			03/05/25 14:16	5
Fluoride	<1.0		1.0		mg/L			03/05/25 14:16	5
Sulfate	22		5.0		mg/L			03/05/25 14:16	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:37	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:37	1
Barium	0.044		0.0020		mg/L		03/05/25 09:00	03/11/25 13:37	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:37	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:37	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:37	1
Calcium	90.6		0.50		mg/L		03/05/25 09:00	03/11/25 13:37	1
Chromium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:37	1
Cobalt	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:37	1
Lead	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:37	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:37	1
Molybdenum	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:37	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:37	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	428		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			02/28/25 16:45	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.177	U	0.0945	0.0945	1.00	0.177	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.0		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.567	U	0.304	0.304	1.00	0.567	pCi/L	03/04/25 07:42	03/27/25 14:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.0		30 - 110					03/04/25 07:42	03/27/25 14:30	1
Y Carrier	84.1		30 - 110					03/04/25 07:42	03/27/25 14:30	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-2S CCR
Date Collected: 02/26/25 12:50
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-12
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.567	U	0.318	0.318	5.00	0.567	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-3S CCR

Lab Sample ID: 310-301112-13

Date Collected: 02/26/25 09:30

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		20		mg/L			03/06/25 10:55	20
Fluoride	<1.0		1.0		mg/L			03/05/25 14:31	5
Sulfate	49		5.0		mg/L			03/05/25 14:31	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:39	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:39	1
Barium	0.17		0.0020		mg/L		03/05/25 09:00	03/11/25 13:39	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:39	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:39	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:39	1
Calcium	236		0.50		mg/L		03/05/25 09:00	03/11/25 13:39	1
Chromium	1.9		0.0050		mg/L		03/05/25 09:00	03/11/25 13:39	1
Cobalt	0.0022		0.00050		mg/L		03/05/25 09:00	03/11/25 13:39	1
Lead	0.00056		0.00050		mg/L		03/05/25 09:00	03/11/25 13:39	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:39	1
Molybdenum	0.049		0.0020		mg/L		03/05/25 09:00	03/12/25 12:24	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:39	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00021		0.00020		mg/L		03/06/25 11:05	03/06/25 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1330		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/28/25 16:28	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.209		0.117	0.118	1.00	0.147	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	79.3		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.566	U	0.320	0.320	1.00	0.566	pCi/L	03/04/25 07:42	03/27/25 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	79.3		30 - 110					03/04/25 07:42	03/27/25 14:29	1
Y Carrier	83.0		30 - 110					03/04/25 07:42	03/27/25 14:29	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-3S CCR

Lab Sample ID: 310-301112-13

Date Collected: 02/26/25 09:30

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.566	U	0.341	0.341	5.00	0.566	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-5S2 CCR

Lab Sample ID: 310-301112-14

Date Collected: 02/25/25 14:35

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		5.0		mg/L			03/05/25 15:57	5
Fluoride	<1.0		1.0		mg/L			03/05/25 15:57	5
Sulfate	52		5.0		mg/L			03/05/25 15:57	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:46	1
Arsenic	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:46	1
Barium	0.073		0.0020		mg/L		03/07/25 08:00	03/11/25 15:46	1
Beryllium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:46	1
Boron	0.10		0.10		mg/L		03/07/25 08:00	03/11/25 15:46	1
Cadmium	<0.00020		0.00020		mg/L		03/07/25 08:00	03/11/25 15:46	1
Calcium	121		0.50		mg/L		03/07/25 08:00	03/11/25 15:46	1
Chromium	0.044		0.0050		mg/L		03/07/25 08:00	03/11/25 15:46	1
Cobalt	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:46	1
Lead	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:46	1
Lithium	<0.010		0.010		mg/L		03/07/25 08:00	03/11/25 15:46	1
Molybdenum	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:46	1
Selenium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:46	1
Thallium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	578		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.7	HF	1.0		SU			02/28/25 16:49	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.142	U	0.0991	0.0998	1.00	0.142	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.5		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.549	U	0.278	0.278	1.00	0.549	pCi/L	03/04/25 07:42	03/27/25 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.5		30 - 110					03/04/25 07:42	03/27/25 14:29	1
Y Carrier	83.4		30 - 110					03/04/25 07:42	03/27/25 14:29	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-5S2 CCR

Lab Sample ID: 310-301112-14

Date Collected: 02/25/25 14:35

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.549	U	0.295	0.295	5.00	0.549	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-4S CCR

Lab Sample ID: 310-301112-15

Date Collected: 02/27/25 09:20

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49		5.0		mg/L			03/05/25 15:02	5
Fluoride	<1.0		1.0		mg/L			03/05/25 15:02	5
Sulfate	27		5.0		mg/L			03/05/25 15:02	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:36	1
Arsenic	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:36	1
Barium	0.079		0.0020		mg/L		03/07/25 08:00	03/11/25 15:36	1
Beryllium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:36	1
Boron	<0.10		0.10		mg/L		03/07/25 08:00	03/11/25 15:36	1
Cadmium	<0.00020		0.00020		mg/L		03/07/25 08:00	03/11/25 15:36	1
Calcium	100		0.50		mg/L		03/07/25 08:00	03/11/25 15:36	1
Chromium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:36	1
Cobalt	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:36	1
Lead	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:36	1
Lithium	<0.010		0.010		mg/L		03/07/25 08:00	03/11/25 15:36	1
Molybdenum	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:36	1
Selenium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:36	1
Thallium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	476		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.6	HF	1.0		SU			02/28/25 16:34	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.123		0.0860	0.0867	1.00	0.113	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	85.6		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.595	U	0.368	0.370	1.00	0.595	pCi/L	03/04/25 07:42	03/27/25 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	85.6		30 - 110					03/04/25 07:42	03/27/25 14:29	1
Y Carrier	81.5		30 - 110					03/04/25 07:42	03/27/25 14:29	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-4S CCR

Lab Sample ID: 310-301112-15

Date Collected: 02/27/25 09:20

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.595	U	0.378	0.380	5.00	0.595	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-8 CCR

Lab Sample ID: 310-301112-16

Date Collected: 02/27/25 10:40

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19		5.0		mg/L			03/05/25 15:18	5
Fluoride	<1.0		1.0		mg/L			03/05/25 15:18	5
Sulfate	33		5.0		mg/L			03/05/25 15:18	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:34	1
Arsenic	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:34	1
Barium	0.067		0.0020		mg/L		03/07/25 08:00	03/11/25 15:34	1
Beryllium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:34	1
Boron	<0.10		0.10		mg/L		03/07/25 08:00	03/11/25 15:34	1
Cadmium	<0.00020		0.00020		mg/L		03/07/25 08:00	03/11/25 15:34	1
Calcium	95.8		0.50		mg/L		03/07/25 08:00	03/11/25 15:34	1
Chromium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:34	1
Cobalt	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:34	1
Lead	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:34	1
Lithium	<0.010		0.010		mg/L		03/07/25 08:00	03/11/25 15:34	1
Molybdenum	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:34	1
Selenium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:34	1
Thallium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	442		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			02/28/25 16:31	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.135	U	0.0739	0.0740	1.00	0.135	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	80.6		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.588	U	0.331	0.331	1.00	0.588	pCi/L	03/04/25 07:42	03/27/25 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	80.6		30 - 110					03/04/25 07:42	03/27/25 14:29	1
Y Carrier	81.9		30 - 110					03/04/25 07:42	03/27/25 14:29	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-8 CCR
Date Collected: 02/27/25 10:40
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-16
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228										
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.588	U	0.339	0.339	5.00	0.588	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: DUP-1 CCR

Lab Sample ID: 310-301112-17

Date Collected: 02/25/25 00:00

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48		5.0		mg/L			03/05/25 15:34	5
Fluoride	<1.0		1.0		mg/L			03/05/25 15:34	5
Sulfate	25		5.0		mg/L			03/05/25 15:34	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:32	1
Arsenic	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:32	1
Barium	0.065		0.0020		mg/L		03/07/25 08:00	03/11/25 15:32	1
Beryllium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:32	1
Boron	<0.10		0.10		mg/L		03/07/25 08:00	03/11/25 15:32	1
Cadmium	<0.00020		0.00020		mg/L		03/07/25 08:00	03/11/25 15:32	1
Calcium	93.4		0.50		mg/L		03/07/25 08:00	03/11/25 15:32	1
Chromium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:32	1
Cobalt	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:32	1
Lead	0.0022		0.00050		mg/L		03/07/25 08:00	03/11/25 15:32	1
Lithium	<0.010		0.010		mg/L		03/07/25 08:00	03/11/25 15:32	1
Molybdenum	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:32	1
Selenium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:32	1
Thallium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	426		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/28/25 16:42	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160		0.101	0.102	1.00	0.134	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.8		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.477	U	0.264	0.264	1.00	0.477	pCi/L	03/04/25 07:42	03/27/25 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.8		30 - 110					03/04/25 07:42	03/27/25 14:29	1
Y Carrier	93.1		30 - 110					03/04/25 07:42	03/27/25 14:29	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: DUP-1 CCR

Lab Sample ID: 310-301112-17

Date Collected: 02/25/25 00:00

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.477	U	0.283	0.283	5.00	0.477	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: DUP-2 CCR

Lab Sample ID: 310-301112-18

Date Collected: 02/27/25 00:00

Matrix: Ground Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47		5.0		mg/L			03/05/25 16:20	5
Fluoride	<1.0		1.0		mg/L			03/05/25 16:20	5
Sulfate	24		5.0		mg/L			03/05/25 16:20	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:29	1
Arsenic	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:29	1
Barium	0.069		0.0020		mg/L		03/07/25 08:00	03/11/25 15:29	1
Beryllium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:29	1
Boron	<0.10		0.10		mg/L		03/07/25 08:00	03/11/25 15:29	1
Cadmium	<0.00020		0.00020		mg/L		03/07/25 08:00	03/11/25 15:29	1
Calcium	99.2		0.50		mg/L		03/07/25 08:00	03/11/25 15:29	1
Chromium	0.037		0.0050		mg/L		03/07/25 08:00	03/11/25 15:29	1
Cobalt	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:29	1
Lead	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:29	1
Lithium	<0.010		0.010		mg/L		03/07/25 08:00	03/11/25 15:29	1
Molybdenum	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:29	1
Selenium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:29	1
Thallium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	458		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			02/28/25 16:47	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.169	U	0.0987	0.0989	1.00	0.169	pCi/L	03/04/25 07:38	04/01/25 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	81.7		30 - 110					03/04/25 07:38	04/01/25 07:44	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.510	U	0.279	0.279	1.00	0.510	pCi/L	03/04/25 07:42	03/27/25 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	81.7		30 - 110					03/04/25 07:42	03/27/25 14:29	1
Y Carrier	80.0		30 - 110					03/04/25 07:42	03/27/25 14:29	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: DUP-2 CCR
Date Collected: 02/27/25 00:00
Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-18
Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.510	U	0.296	0.296	5.00	0.510	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: Equipment Blank CCR

Lab Sample ID: 310-301112-19

Date Collected: 02/27/25 11:45

Matrix: Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			03/05/25 16:36	1
Fluoride	<0.20		0.20		mg/L			03/05/25 16:36	1
Sulfate	<1.0		1.0		mg/L			03/05/25 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:46	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:46	1
Barium	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:46	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:46	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:46	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:46	1
Calcium	<0.50		0.50		mg/L		03/05/25 09:00	03/11/25 13:46	1
Chromium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:46	1
Cobalt	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:46	1
Lead	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:46	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:46	1
Molybdenum	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:46	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:46	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<50.0		50.0		mg/L			03/03/25 20:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	6.1	HF	1.0		SU			02/28/25 16:46	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.136	U	0.0656	0.0656	1.00	0.136	pCi/L	03/04/25 07:41	04/01/25 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.5		30 - 110					03/04/25 07:41	04/01/25 07:45	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.789	U	0.449	0.450	1.00	0.789	pCi/L	03/04/25 07:42	03/27/25 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.5		30 - 110					03/04/25 07:42	03/27/25 14:29	1
Y Carrier	71.0		30 - 110					03/04/25 07:42	03/27/25 14:29	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: Equipment Blank CCR

Lab Sample ID: 310-301112-19

Date Collected: 02/27/25 11:45

Matrix: Water

Date Received: 02/28/25 12:50

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.789	U	0.454	0.455	5.00	0.789	pCi/L		04/07/25 14:39	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: Field Blank 1 CCR

Lab Sample ID: 310-301112-20

Date Collected: 02/25/25 13:30

Matrix: Water

Date Received: 02/28/25 12:50

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			03/05/25 16:52	1
Fluoride	<0.20		0.20		mg/L			03/05/25 16:52	1
Sulfate	<1.0		1.0		mg/L			03/05/25 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:49	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:49	1
Barium	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:49	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:49	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:49	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:49	1
Calcium	<0.50		0.50		mg/L		03/05/25 09:00	03/11/25 13:49	1
Chromium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:49	1
Cobalt	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:49	1
Lead	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:49	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:49	1
Molybdenum	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:49	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:49	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<50.0		50.0		mg/L			02/28/25 19:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	6.3	HF	1.0		SU			02/28/25 16:29	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.154	U	0.102	0.103	1.00	0.154	pCi/L	03/04/25 07:41	04/01/25 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	80.4		30 - 110					03/04/25 07:41	04/01/25 07:45	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.633	U	0.337	0.337	1.00	0.633	pCi/L	03/04/25 07:42	03/27/25 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	80.4		30 - 110					03/04/25 07:42	03/27/25 14:29	1
Y Carrier	83.0		30 - 110					03/04/25 07:42	03/27/25 14:29	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: Field Blank 1 CCR

Lab Sample ID: 310-301112-20

Date Collected: 02/25/25 13:30

Matrix: Water

Date Received: 02/28/25 12:50

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.633	U	0.352	0.352	5.00	0.633	pCi/L		04/07/25 14:39	1

Definitions/Glossary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Qualifiers

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.

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.

Rad

Qualifier	Qualifier Description
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

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-448323/3

Matrix: Water

Analysis Batch: 448323

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			03/07/25 09:19	1
Fluoride	<0.20		0.20		mg/L			03/07/25 09:19	1
Sulfate	<1.0		1.0		mg/L			03/07/25 09:19	1

Lab Sample ID: LCS 310-448323/4

Matrix: Water

Analysis Batch: 448323

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	9.86		mg/L		99	90 - 110
Fluoride	2.00	2.02		mg/L		101	90 - 110
Sulfate	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: 310-301112-4 MS

Matrix: Ground Water

Analysis Batch: 448323

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	47		25.0	70.1		mg/L		93	80 - 120
Fluoride	<1.0		5.00	4.85		mg/L		97	80 - 120
Sulfate	23		25.0	48.6		mg/L		100	80 - 120

Lab Sample ID: 310-301112-4 MSD

Matrix: Ground Water

Analysis Batch: 448323

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	47		25.0	70.6		mg/L		95	80 - 120	1	15
Fluoride	<1.0		5.00	4.87		mg/L		97	80 - 120	0	15
Sulfate	23		25.0	49.1		mg/L		103	80 - 120	1	15

Lab Sample ID: MB 310-448344/3

Matrix: Water

Analysis Batch: 448344

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			03/05/25 11:40	1
Fluoride	<0.20		0.20		mg/L			03/05/25 11:40	1
Sulfate	<1.0		1.0		mg/L			03/05/25 11:40	1

Lab Sample ID: LCS 310-448344/4

Matrix: Water

Analysis Batch: 448344

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	9.92		mg/L		99	90 - 110
Fluoride	2.00	2.06		mg/L		103	90 - 110
Sulfate	10.0	10.0		mg/L		100	90 - 110

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

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

Lab Sample ID: 310-301112-10 MS

Matrix: Ground Water

Analysis Batch: 448344

Client Sample ID: U-5S CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49		25.0	74.0		mg/L		100	80 - 120
Fluoride	<1.0		5.00	5.25		mg/L		105	80 - 120
Sulfate	25		25.0	50.9		mg/L		104	80 - 120

Lab Sample ID: 310-301112-10 MSD

Matrix: Ground Water

Analysis Batch: 448344

Client Sample ID: U-5S CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49		25.0	74.9		mg/L		103	80 - 120	1	15
Fluoride	<1.0		5.00	5.43		mg/L		109	80 - 120	3	15
Sulfate	25		25.0	51.7		mg/L		107	80 - 120	1	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-447936/1-A

Matrix: Water

Analysis Batch: 448552

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 447936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 17:45	1
Arsenic	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 17:45	1
Barium	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 17:45	1
Beryllium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 17:45	1
Boron	<0.10		0.10		mg/L		03/04/25 09:00	03/10/25 17:45	1
Cadmium	<0.00020		0.00020		mg/L		03/04/25 09:00	03/10/25 17:45	1
Calcium	<0.50		0.50		mg/L		03/04/25 09:00	03/10/25 17:45	1
Chromium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 17:45	1
Cobalt	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 17:45	1
Lead	<0.00050		0.00050		mg/L		03/04/25 09:00	03/10/25 17:45	1
Lithium	<0.010		0.010		mg/L		03/04/25 09:00	03/10/25 17:45	1
Molybdenum	<0.0020		0.0020		mg/L		03/04/25 09:00	03/10/25 17:45	1
Selenium	<0.0050		0.0050		mg/L		03/04/25 09:00	03/10/25 17:45	1
Thallium	<0.0010		0.0010		mg/L		03/04/25 09:00	03/10/25 17:45	1

Lab Sample ID: LCS 310-447936/2-A

Matrix: Water

Analysis Batch: 448552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 447936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.207		mg/L		103	80 - 120
Arsenic	0.200	0.200		mg/L		100	80 - 120
Barium	0.100	0.109		mg/L		109	80 - 120
Beryllium	0.100	0.0985		mg/L		98	80 - 120
Boron	0.200	0.196		mg/L		98	80 - 120
Cadmium	0.100	0.101		mg/L		101	80 - 120
Calcium	2.00	2.04		mg/L		102	80 - 120
Chromium	0.100	0.104		mg/L		104	80 - 120
Cobalt	0.100	0.102		mg/L		102	80 - 120

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

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

Lab Sample ID: LCS 310-447936/2-A
Matrix: Water
Analysis Batch: 448552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.200	0.215		mg/L		107	80 - 120
Lithium	0.200	0.213		mg/L		106	80 - 120
Molybdenum	0.200	0.202		mg/L		101	80 - 120
Selenium	0.400	0.411		mg/L		103	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: 310-301112-4 MS
Matrix: Ground Water
Analysis Batch: 448552

Client Sample ID: D-4D CCR
Prep Type: Total/NA
Prep Batch: 447936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0020		0.200	0.227		mg/L		114	75 - 125
Arsenic	<0.0020		0.200	0.222		mg/L		111	75 - 125
Barium	0.070		0.100	0.190		mg/L		120	75 - 125
Beryllium	<0.0010		0.100	0.110		mg/L		110	75 - 125
Boron	<0.10		0.200	0.239		mg/L		120	75 - 125
Cadmium	<0.00020		0.100	0.110		mg/L		110	75 - 125
Calcium	104		2.00	110.5	4	mg/L		318	75 - 125
Chromium	<0.0050		0.100	0.114		mg/L		112	75 - 125
Cobalt	<0.00050		0.100	0.105		mg/L		105	75 - 125
Lead	<0.00050		0.200	0.223		mg/L		112	75 - 125
Lithium	<0.010		0.200	0.231		mg/L		113	75 - 125
Molybdenum	<0.0020		0.200	0.221		mg/L		111	75 - 125
Selenium	<0.0050		0.400	0.454		mg/L		114	75 - 125
Thallium	<0.0010		0.100	0.0972		mg/L		97	75 - 125

Lab Sample ID: 310-301112-4 MSD
Matrix: Ground Water
Analysis Batch: 448552

Client Sample ID: D-4D CCR
Prep Type: Total/NA
Prep Batch: 447936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0020		0.200	0.215		mg/L		108	75 - 125	5	20
Arsenic	<0.0020		0.200	0.209		mg/L		105	75 - 125	6	20
Barium	0.070		0.100	0.183		mg/L		113	75 - 125	4	20
Beryllium	<0.0010		0.100	0.104		mg/L		104	75 - 125	6	20
Boron	<0.10		0.200	0.226		mg/L		113	75 - 125	6	20
Cadmium	<0.00020		0.100	0.104		mg/L		104	75 - 125	5	20
Calcium	104		2.00	107.6	4	mg/L		175	75 - 125	3	20
Chromium	<0.0050		0.100	0.122		mg/L		120	75 - 125	7	20
Cobalt	<0.00050		0.100	0.0984		mg/L		98	75 - 125	6	20
Lead	<0.00050		0.200	0.207		mg/L		104	75 - 125	7	20
Lithium	<0.010		0.200	0.218		mg/L		107	75 - 125	6	20
Molybdenum	<0.0020		0.200	0.211		mg/L		105	75 - 125	5	20
Selenium	<0.0050		0.400	0.416		mg/L		104	75 - 125	9	20
Thallium	<0.0010		0.100	0.0966		mg/L		97	75 - 125	1	20

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

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

Lab Sample ID: MB 310-448012/1-A

Matrix: Water

Analysis Batch: 448663

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 448012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:08	1
Arsenic	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:08	1
Barium	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:08	1
Beryllium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:08	1
Boron	<0.10		0.10		mg/L		03/05/25 09:00	03/11/25 13:08	1
Cadmium	<0.00020		0.00020		mg/L		03/05/25 09:00	03/11/25 13:08	1
Calcium	<0.50		0.50		mg/L		03/05/25 09:00	03/11/25 13:08	1
Chromium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:08	1
Cobalt	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:08	1
Lead	<0.00050		0.00050		mg/L		03/05/25 09:00	03/11/25 13:08	1
Lithium	<0.010		0.010		mg/L		03/05/25 09:00	03/11/25 13:08	1
Molybdenum	<0.0020		0.0020		mg/L		03/05/25 09:00	03/11/25 13:08	1
Selenium	<0.0050		0.0050		mg/L		03/05/25 09:00	03/11/25 13:08	1
Thallium	<0.0010		0.0010		mg/L		03/05/25 09:00	03/11/25 13:08	1

Lab Sample ID: LCS 310-448012/2-A

Matrix: Water

Analysis Batch: 448663

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 448012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.200	0.222		mg/L		111	80 - 120
Arsenic	0.200	0.213		mg/L		106	80 - 120
Barium	0.100	0.108		mg/L		108	80 - 120
Beryllium	0.100	0.100		mg/L		100	80 - 120
Boron	0.200	0.189		mg/L		95	80 - 120
Cadmium	0.100	0.101		mg/L		101	80 - 120
Calcium	2.00	1.86		mg/L		93	80 - 120
Chromium	0.100	0.101		mg/L		101	80 - 120
Cobalt	0.100	0.105		mg/L		105	80 - 120
Lead	0.200	0.221		mg/L		110	80 - 120
Lithium	0.200	0.197		mg/L		98	80 - 120
Molybdenum	0.200	0.207		mg/L		103	80 - 120
Selenium	0.400	0.396		mg/L		99	80 - 120
Thallium	0.100	0.0965		mg/L		97	80 - 120

Lab Sample ID: 310-301112-10 MS

Matrix: Ground Water

Analysis Batch: 448663

Client Sample ID: U-5S CCR

Prep Type: Total/NA

Prep Batch: 448012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.0020		0.200	0.234		mg/L		117	75 - 125
Arsenic	<0.0020		0.200	0.217		mg/L		108	75 - 125
Barium	0.063		0.100	0.168		mg/L		105	75 - 125
Beryllium	<0.0010		0.100	0.105		mg/L		105	75 - 125
Boron	<0.10		0.200	0.227		mg/L		113	75 - 125
Cadmium	<0.00020		0.100	0.102		mg/L		102	75 - 125
Calcium	89.9		2.00	89.69	4	mg/L		-8	75 - 125
Chromium	<0.0050		0.100	0.105		mg/L		101	75 - 125
Cobalt	<0.00050		0.100	0.103		mg/L		103	75 - 125

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

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

Lab Sample ID: 310-301112-10 MS

Matrix: Ground Water

Analysis Batch: 448663

Client Sample ID: U-5S CCR

Prep Type: Total/NA

Prep Batch: 448012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.0021		0.200	0.232		mg/L		115	75 - 125
Lithium	<0.010		0.200	0.208		mg/L		102	75 - 125
Molybdenum	<0.0020		0.200	0.214		mg/L		107	75 - 125
Selenium	<0.0050		0.400	0.406		mg/L		101	75 - 125
Thallium	<0.0010		0.100	0.0836		mg/L		84	75 - 125

Lab Sample ID: 310-301112-10 MSD

Matrix: Ground Water

Analysis Batch: 448663

Client Sample ID: U-5S CCR

Prep Type: Total/NA

Prep Batch: 448012

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0020		0.200	0.237		mg/L		118	75 - 125	1	20
Arsenic	<0.0020		0.200	0.216		mg/L		108	75 - 125	0	20
Barium	0.063		0.100	0.167		mg/L		104	75 - 125	1	20
Beryllium	<0.0010		0.100	0.106		mg/L		106	75 - 125	1	20
Boron	<0.10		0.200	0.230		mg/L		115	75 - 125	1	20
Cadmium	<0.00020		0.100	0.102		mg/L		102	75 - 125	0	20
Calcium	89.9		2.00	90.09	4	mg/L		12	75 - 125	0	20
Chromium	<0.0050		0.100	0.104		mg/L		100	75 - 125	1	20
Cobalt	<0.00050		0.100	0.103		mg/L		103	75 - 125	0	20
Lead	0.0021		0.200	0.234		mg/L		116	75 - 125	1	20
Lithium	<0.010		0.200	0.210		mg/L		103	75 - 125	1	20
Molybdenum	<0.0020		0.200	0.216		mg/L		108	75 - 125	1	20
Selenium	<0.0050		0.400	0.403		mg/L		100	75 - 125	1	20
Thallium	<0.0010		0.100	0.0838		mg/L		84	75 - 125	0	20

Lab Sample ID: MB 310-448269/1-A

Matrix: Water

Analysis Batch: 448663

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 448269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:15	1
Arsenic	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:15	1
Barium	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:15	1
Beryllium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:15	1
Boron	<0.10		0.10		mg/L		03/07/25 08:00	03/11/25 15:15	1
Cadmium	<0.00020		0.00020		mg/L		03/07/25 08:00	03/11/25 15:15	1
Calcium	<0.50		0.50		mg/L		03/07/25 08:00	03/11/25 15:15	1
Chromium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:15	1
Cobalt	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:15	1
Lead	<0.00050		0.00050		mg/L		03/07/25 08:00	03/11/25 15:15	1
Lithium	<0.010		0.010		mg/L		03/07/25 08:00	03/11/25 15:15	1
Molybdenum	<0.0020		0.0020		mg/L		03/07/25 08:00	03/11/25 15:15	1
Selenium	<0.0050		0.0050		mg/L		03/07/25 08:00	03/11/25 15:15	1
Thallium	<0.0010		0.0010		mg/L		03/07/25 08:00	03/11/25 15:15	1

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

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

Lab Sample ID: LCS 310-448269/2-A

Matrix: Water

Analysis Batch: 448663

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 448269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.218		mg/L		109	80 - 120
Arsenic	0.200	0.197		mg/L		99	80 - 120
Barium	0.100	0.100		mg/L		100	80 - 120
Beryllium	0.100	0.0883		mg/L		88	80 - 120
Boron	0.200	0.188		mg/L		94	80 - 120
Cadmium	0.100	0.0955		mg/L		96	80 - 120
Calcium	2.00	1.83		mg/L		92	80 - 120
Chromium	0.100	0.0939		mg/L		94	80 - 120
Cobalt	0.100	0.0964		mg/L		96	80 - 120
Lead	0.200	0.211		mg/L		105	80 - 120
Lithium	0.200	0.179		mg/L		90	80 - 120
Molybdenum	0.200	0.194		mg/L		97	80 - 120
Selenium	0.400	0.380		mg/L		95	80 - 120
Thallium	0.100	0.0862		mg/L		86	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-447887/1-A

Matrix: Water

Analysis Batch: 448042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 447887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/04/25 09:23	03/04/25 13:22	1

Lab Sample ID: LCS 310-447887/2-A

Matrix: Water

Analysis Batch: 448042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 447887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00167		mg/L		100	80 - 120

Lab Sample ID: 310-301112-4 MS

Matrix: Ground Water

Analysis Batch: 448042

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Prep Batch: 447887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00167	0.00170		mg/L		102	80 - 120

Lab Sample ID: 310-301112-4 MSD

Matrix: Ground Water

Analysis Batch: 448042

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Prep Batch: 447887

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00167	0.00169		mg/L		101	80 - 120	0	20

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 310-448112/1-A
Matrix: Water
Analysis Batch: 448296

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448112

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/25 11:05	03/06/25 15:31	1

Lab Sample ID: LCS 310-448112/2-A
Matrix: Water
Analysis Batch: 448296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00155		mg/L		93	80 - 120

Lab Sample ID: 310-301112-10 MS
Matrix: Ground Water
Analysis Batch: 448296

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 448112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00167	0.00155		mg/L		93	80 - 120

Lab Sample ID: 310-301112-10 MSD
Matrix: Ground Water
Analysis Batch: 448296

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 448112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00167	0.00155		mg/L		93	80 - 120	0	20

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

Lab Sample ID: MB 310-447821/1
Matrix: Water
Analysis Batch: 447821

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	<50.0		50.0		mg/L			02/28/25 19:00	1

Lab Sample ID: LCS 310-447821/2
Matrix: Water
Analysis Batch: 447821

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	1010		mg/L		101	88 - 110

Lab Sample ID: MB 310-447945/1
Matrix: Water
Analysis Batch: 447945

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	<50.0		50.0		mg/L			03/03/25 20:30	1

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

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

Lab Sample ID: LCS 310-447945/2

Matrix: Water

Analysis Batch: 447945

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	88 - 110

Lab Sample ID: 310-301112-6 DU

Matrix: Ground Water

Analysis Batch: 447945

Client Sample ID: D-9 CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	452		450.0		mg/L		0.4	16

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 310-447816/1

Matrix: Water

Analysis Batch: 447816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	98 - 102

Lab Sample ID: 310-301112-4 DU

Matrix: Ground Water

Analysis Batch: 447816

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.8	HF	7.4		SU		4	20

Lab Sample ID: 310-301112-10 DU

Matrix: Ground Water

Analysis Batch: 447816

Client Sample ID: U-5S CCR

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		0.3	20

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-705864/1-A

Matrix: Water

Analysis Batch: 710156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 705864

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.173	U	0.0926	0.0926	1.00	0.173	pCi/L	03/04/25 07:30	04/01/25 07:48	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.6		30 - 110					03/04/25 07:30	04/01/25 07:48	1

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-705864/2-A
Matrix: Water
Analysis Batch: 710156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705864

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.058		1.00	1.00	0.170	pCi/L	95	75 - 125		
	LCS	LCS											
Carrier	%Yield	Qualifier	Limits										
Barium	93.2		30 - 110										

Lab Sample ID: 310-301112-10 MS
Matrix: Ground Water
Analysis Batch: 710157

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 705864

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	<0.158	U	9.57	10.09		1.09	1.00	0.125	pCi/L	105	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Barium	85.6		30 - 110										

Lab Sample ID: 310-301112-10 MSD
Matrix: Ground Water
Analysis Batch: 710157

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 705864

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	<0.158	U	9.53	9.589		1.05	1.00	0.136	pCi/L	100	60 - 140	0.23	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Barium	84.0		30 - 110										

Lab Sample ID: MB 160-705868/1-A
Matrix: Water
Analysis Batch: 710297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705868

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.180	U	0.0959	0.0960	1.00	0.180	pCi/L	03/04/25 07:38	04/01/25 07:28	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Barium	86.9		30 - 110							
								Prepared	Analyzed	Dil Fac
								03/04/25 07:38	04/01/25 07:28	1

Lab Sample ID: LCS 160-705868/2-A
Matrix: Water
Analysis Batch: 710297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705868

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	11.06		1.19	1.00	0.137	pCi/L	115	75 - 125		

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-705868/2-A

Matrix: Water

Analysis Batch: 710297

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 705868

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Barium	83.8		30 - 110

Lab Sample ID: 310-301112-4 MS

Matrix: Ground Water

Analysis Batch: 710297

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Prep Batch: 705868

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	<0.113	U	9.57	9.703		1.07	1.00	0.138	pCi/L	101	60 - 140

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Barium	87.4		30 - 110

Lab Sample ID: 310-301112-4 MSD

Matrix: Ground Water

Analysis Batch: 710297

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Prep Batch: 705868

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	<0.113	U	9.57	10.70		1.16	1.00	0.128	pCi/L	111	60 - 140	0.45	1

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Barium	84.3		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-705869/1-A

Matrix: Water

Analysis Batch: 709483

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 705869

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.613	U	0.348	0.349	1.00	0.613	pCi/L	03/04/25 07:42	03/27/25 14:34	1

	MB	MB								
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Barium	86.9		30 - 110	03/04/25 07:42	03/27/25 14:34	1				
Y Carrier	75.9		30 - 110	03/04/25 07:42	03/27/25 14:34	1				

Lab Sample ID: LCS 160-705869/2-A

Matrix: Water

Analysis Batch: 709483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 705869

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.99	9.550		1.35	1.00	0.607	pCi/L	120	75 - 125

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-705869/2-A

Matrix: Water

Analysis Batch: 709483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 705869

LCS LCS			
Carrier	%Yield	Qualifier	Limits
Barium	83.8		30 - 110
Y Carrier	79.3		30 - 110

Lab Sample ID: 310-301112-4 MS

Matrix: Ground Water

Analysis Batch: 709483

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Prep Batch: 705869

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total		MDC	Unit	%Rec	%Rec Limits
						Uncert. (2σ+/-)	RL				
Radium-228	<0.559	U	7.98	10.30		1.43	1.00	0.639	pCi/L	126	60 - 140

MS MS			
Carrier	%Yield	Qualifier	Limits
Barium	87.4		30 - 110
Y Carrier	78.1		30 - 110

Lab Sample ID: 310-301112-4 MSD

Matrix: Ground Water

Analysis Batch: 709483

Client Sample ID: D-4D CCR

Prep Type: Total/NA

Prep Batch: 705869

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total		MDC	Unit	%Rec	%Rec		RER
						Uncert. (2σ+/-)	RL				Limits	RER	Limit
Radium-228	<0.559	U	7.98	8.481		1.21	1.00	0.532	pCi/L	103	60 - 140	0.69	1

MSD MSD			
Carrier	%Yield	Qualifier	Limits
Barium	84.3		30 - 110
Y Carrier	86.0		30 - 110

Lab Sample ID: MB 160-709477/1-A

Matrix: Water

Analysis Batch: 710744

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 709477

					Rep. Data: 100.0%					
			Count	Total						
	MB	MB	Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.572	U	0.315	0.315	1.00	0.572	pCi/L	03/27/25 08:23	04/04/25 10:25	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Barium	78.7		30 - 110	03/27/25 08:23	04/04/25 10:25	1
Y Carrier	84.5		30 - 110	03/27/25 08:23	04/04/25 10:25	1

Lab Sample ID: LCS 160-709477/2-A

Matrix: Water

Analysis Batch: 710744

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 709477

Analyte	Spike Added	LCS Result	LCS Qual	Total		MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)	RL				
Radium-228	9.57	11.82		1.55	1.00	0.584	pCi/L	124	75 - 125

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-709477/2-A
Matrix: Water
Analysis Batch: 710744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709477

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Barium	78.5		30 - 110
Y Carrier	79.3		30 - 110

Lab Sample ID: 310-301112-10 MS
Matrix: Ground Water
Analysis Batch: 710744

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 709477

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	0.835		9.54	9.322		1.24	1.00	0.436	pCi/L	89	60 - 140

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Barium	89.5		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: 310-301112-10 MSD
Matrix: Ground Water
Analysis Batch: 710744

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 709477

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	0.835		9.53	7.923		1.14	1.00	0.501	pCi/L	74	60 - 140	0.59	1

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Barium	80.2		30 - 110
Y Carrier	80.7		30 - 110

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

HPLC/IC

Analysis Batch: 448323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	9056A	
310-301112-2	D-2D CCR	Total/NA	Ground Water	9056A	
310-301112-3	D-3D CCR	Total/NA	Ground Water	9056A	
310-301112-4	D-4D CCR	Total/NA	Ground Water	9056A	
310-301112-5	D-5D CCR	Total/NA	Ground Water	9056A	
310-301112-6	D-9 CCR	Total/NA	Ground Water	9056A	
310-301112-7	U-4D CCR	Total/NA	Ground Water	9056A	
MB 310-448323/3	Method Blank	Total/NA	Water	9056A	
LCS 310-448323/4	Lab Control Sample	Total/NA	Water	9056A	
310-301112-4 MS	D-4D CCR	Total/NA	Ground Water	9056A	
310-301112-4 MSD	D-4D CCR	Total/NA	Ground Water	9056A	

Analysis Batch: 448344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-8	U-4S CCR	Total/NA	Ground Water	9056A	
310-301112-9	U-5D CCR	Total/NA	Ground Water	9056A	
310-301112-10	U-5S CCR	Total/NA	Ground Water	9056A	
310-301112-11	D-1S CCR	Total/NA	Ground Water	9056A	
310-301112-12	D-2S CCR	Total/NA	Ground Water	9056A	
310-301112-13	D-3S CCR	Total/NA	Ground Water	9056A	
310-301112-13	D-3S CCR	Total/NA	Ground Water	9056A	
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	9056A	
310-301112-15	D-4S CCR	Total/NA	Ground Water	9056A	
310-301112-16	D-8 CCR	Total/NA	Ground Water	9056A	
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	9056A	
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	9056A	
310-301112-19	Equipment Blank CCR	Total/NA	Water	9056A	
310-301112-20	Field Blank 1 CCR	Total/NA	Water	9056A	
MB 310-448344/3	Method Blank	Total/NA	Water	9056A	
LCS 310-448344/4	Lab Control Sample	Total/NA	Water	9056A	
310-301112-10 MS	U-5S CCR	Total/NA	Ground Water	9056A	
310-301112-10 MSD	U-5S CCR	Total/NA	Ground Water	9056A	

Metals

Prep Batch: 447887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-4	D-4D CCR	Total/NA	Ground Water	7470A	
MB 310-447887/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-447887/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-301112-4 MS	D-4D CCR	Total/NA	Ground Water	7470A	
310-301112-4 MSD	D-4D CCR	Total/NA	Ground Water	7470A	

Prep Batch: 447936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	3005A	
310-301112-2	D-2D CCR	Total/NA	Ground Water	3005A	
310-301112-3	D-3D CCR	Total/NA	Ground Water	3005A	
310-301112-4	D-4D CCR	Total/NA	Ground Water	3005A	
310-301112-5	D-5D CCR	Total/NA	Ground Water	3005A	
310-301112-6	D-9 CCR	Total/NA	Ground Water	3005A	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Metals (Continued)

Prep Batch: 447936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-7	U-4D CCR	Total/NA	Ground Water	3005A	
MB 310-447936/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-447936/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-301112-4 MS	D-4D CCR	Total/NA	Ground Water	3005A	
310-301112-4 MSD	D-4D CCR	Total/NA	Ground Water	3005A	

Prep Batch: 448012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-8	U-4S CCR	Total/NA	Ground Water	3005A	
310-301112-9	U-5D CCR	Total/NA	Ground Water	3005A	
310-301112-10	U-5S CCR	Total/NA	Ground Water	3005A	
310-301112-11	D-1S CCR	Total/NA	Ground Water	3005A	
310-301112-12	D-2S CCR	Total/NA	Ground Water	3005A	
310-301112-13	D-3S CCR	Total/NA	Ground Water	3005A	
310-301112-19	Equipment Blank CCR	Total/NA	Water	3005A	
310-301112-20	Field Blank 1 CCR	Total/NA	Water	3005A	
MB 310-448012/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-448012/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-301112-10 MS	U-5S CCR	Total/NA	Ground Water	3005A	
310-301112-10 MSD	U-5S CCR	Total/NA	Ground Water	3005A	

Analysis Batch: 448042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-4	D-4D CCR	Total/NA	Ground Water	7470A	447887
MB 310-447887/1-A	Method Blank	Total/NA	Water	7470A	447887
LCS 310-447887/2-A	Lab Control Sample	Total/NA	Water	7470A	447887
310-301112-4 MS	D-4D CCR	Total/NA	Ground Water	7470A	447887
310-301112-4 MSD	D-4D CCR	Total/NA	Ground Water	7470A	447887

Prep Batch: 448112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	7470A	
310-301112-2	D-2D CCR	Total/NA	Ground Water	7470A	
310-301112-3	D-3D CCR	Total/NA	Ground Water	7470A	
310-301112-5	D-5D CCR	Total/NA	Ground Water	7470A	
310-301112-6	D-9 CCR	Total/NA	Ground Water	7470A	
310-301112-7	U-4D CCR	Total/NA	Ground Water	7470A	
310-301112-8	U-4S CCR	Total/NA	Ground Water	7470A	
310-301112-9	U-5D CCR	Total/NA	Ground Water	7470A	
310-301112-10	U-5S CCR	Total/NA	Ground Water	7470A	
310-301112-11	D-1S CCR	Total/NA	Ground Water	7470A	
310-301112-12	D-2S CCR	Total/NA	Ground Water	7470A	
310-301112-13	D-3S CCR	Total/NA	Ground Water	7470A	
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	7470A	
310-301112-15	D-4S CCR	Total/NA	Ground Water	7470A	
310-301112-16	D-8 CCR	Total/NA	Ground Water	7470A	
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	7470A	
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	7470A	
310-301112-19	Equipment Blank CCR	Total/NA	Water	7470A	
310-301112-20	Field Blank 1 CCR	Total/NA	Water	7470A	
MB 310-448112/1-A	Method Blank	Total/NA	Water	7470A	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Metals (Continued)

Prep Batch: 448112 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-448112/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-301112-10 MS	U-5S CCR	Total/NA	Ground Water	7470A	
310-301112-10 MSD	U-5S CCR	Total/NA	Ground Water	7470A	

Prep Batch: 448269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	3005A	
310-301112-15	D-4S CCR	Total/NA	Ground Water	3005A	
310-301112-16	D-8 CCR	Total/NA	Ground Water	3005A	
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	3005A	
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	3005A	
MB 310-448269/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-448269/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 448296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	7470A	448112
310-301112-2	D-2D CCR	Total/NA	Ground Water	7470A	448112
310-301112-3	D-3D CCR	Total/NA	Ground Water	7470A	448112
310-301112-5	D-5D CCR	Total/NA	Ground Water	7470A	448112
310-301112-6	D-9 CCR	Total/NA	Ground Water	7470A	448112
310-301112-7	U-4D CCR	Total/NA	Ground Water	7470A	448112
310-301112-8	U-4S CCR	Total/NA	Ground Water	7470A	448112
310-301112-9	U-5D CCR	Total/NA	Ground Water	7470A	448112
310-301112-10	U-5S CCR	Total/NA	Ground Water	7470A	448112
310-301112-11	D-1S CCR	Total/NA	Ground Water	7470A	448112
310-301112-12	D-2S CCR	Total/NA	Ground Water	7470A	448112
310-301112-13	D-3S CCR	Total/NA	Ground Water	7470A	448112
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	7470A	448112
310-301112-15	D-4S CCR	Total/NA	Ground Water	7470A	448112
310-301112-16	D-8 CCR	Total/NA	Ground Water	7470A	448112
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	7470A	448112
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	7470A	448112
310-301112-19	Equipment Blank CCR	Total/NA	Water	7470A	448112
310-301112-20	Field Blank 1 CCR	Total/NA	Water	7470A	448112
MB 310-448112/1-A	Method Blank	Total/NA	Water	7470A	448112
LCS 310-448112/2-A	Lab Control Sample	Total/NA	Water	7470A	448112
310-301112-10 MS	U-5S CCR	Total/NA	Ground Water	7470A	448112
310-301112-10 MSD	U-5S CCR	Total/NA	Ground Water	7470A	448112

Analysis Batch: 448552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	6020B	447936
310-301112-2	D-2D CCR	Total/NA	Ground Water	6020B	447936
310-301112-3	D-3D CCR	Total/NA	Ground Water	6020B	447936
310-301112-4	D-4D CCR	Total/NA	Ground Water	6020B	447936
310-301112-5	D-5D CCR	Total/NA	Ground Water	6020B	447936
310-301112-6	D-9 CCR	Total/NA	Ground Water	6020B	447936
310-301112-7	U-4D CCR	Total/NA	Ground Water	6020B	447936
MB 310-447936/1-A	Method Blank	Total/NA	Water	6020B	447936
LCS 310-447936/2-A	Lab Control Sample	Total/NA	Water	6020B	447936

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Metals (Continued)

Analysis Batch: 448552 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-4 MS	D-4D CCR	Total/NA	Ground Water	6020B	447936
310-301112-4 MSD	D-4D CCR	Total/NA	Ground Water	6020B	447936

Analysis Batch: 448663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-3	D-3D CCR	Total/NA	Ground Water	6020B	447936
310-301112-8	U-4S CCR	Total/NA	Ground Water	6020B	448012
310-301112-9	U-5D CCR	Total/NA	Ground Water	6020B	448012
310-301112-10	U-5S CCR	Total/NA	Ground Water	6020B	448012
310-301112-11	D-1S CCR	Total/NA	Ground Water	6020B	448012
310-301112-12	D-2S CCR	Total/NA	Ground Water	6020B	448012
310-301112-13	D-3S CCR	Total/NA	Ground Water	6020B	448012
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	6020B	448269
310-301112-15	D-4S CCR	Total/NA	Ground Water	6020B	448269
310-301112-16	D-8 CCR	Total/NA	Ground Water	6020B	448269
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	6020B	448269
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	6020B	448269
310-301112-19	Equipment Blank CCR	Total/NA	Water	6020B	448012
310-301112-20	Field Blank 1 CCR	Total/NA	Water	6020B	448012
MB 310-448012/1-A	Method Blank	Total/NA	Water	6020B	448012
MB 310-448269/1-A	Method Blank	Total/NA	Water	6020B	448269
LCS 310-448012/2-A	Lab Control Sample	Total/NA	Water	6020B	448012
LCS 310-448269/2-A	Lab Control Sample	Total/NA	Water	6020B	448269
310-301112-10 MS	U-5S CCR	Total/NA	Ground Water	6020B	448012
310-301112-10 MSD	U-5S CCR	Total/NA	Ground Water	6020B	448012

Analysis Batch: 448740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-13	D-3S CCR	Total/NA	Ground Water	6020B	448012

General Chemistry

Analysis Batch: 447816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-2	D-2D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-3	D-3D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-4	D-4D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-5	D-5D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-6	D-9 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-7	U-4D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-8	U-4S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-9	U-5D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-10	U-5S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-11	D-1S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-12	D-2S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-13	D-3S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-15	D-4S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-16	D-8 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	SM 4500 H+ B	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

General Chemistry (Continued)

Analysis Batch: 447816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-19	Equipment Blank CCR	Total/NA	Water	SM 4500 H+ B	
310-301112-20	Field Blank 1 CCR	Total/NA	Water	SM 4500 H+ B	
LCS 310-447816/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
310-301112-4 DU	D-4D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-301112-10 DU	U-5S CCR	Total/NA	Ground Water	SM 4500 H+ B	

Analysis Batch: 447821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	SM 2540C	
310-301112-5	D-5D CCR	Total/NA	Ground Water	SM 2540C	
310-301112-7	U-4D CCR	Total/NA	Ground Water	SM 2540C	
310-301112-8	U-4S CCR	Total/NA	Ground Water	SM 2540C	
310-301112-9	U-5D CCR	Total/NA	Ground Water	SM 2540C	
310-301112-10	U-5S CCR	Total/NA	Ground Water	SM 2540C	
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	SM 2540C	
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	SM 2540C	
310-301112-20	Field Blank 1 CCR	Total/NA	Water	SM 2540C	
MB 310-447821/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-447821/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 447945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-2	D-2D CCR	Total/NA	Ground Water	SM 2540C	
310-301112-3	D-3D CCR	Total/NA	Ground Water	SM 2540C	
310-301112-4	D-4D CCR	Total/NA	Ground Water	SM 2540C	
310-301112-6	D-9 CCR	Total/NA	Ground Water	SM 2540C	
310-301112-11	D-1S CCR	Total/NA	Ground Water	SM 2540C	
310-301112-12	D-2S CCR	Total/NA	Ground Water	SM 2540C	
310-301112-13	D-3S CCR	Total/NA	Ground Water	SM 2540C	
310-301112-15	D-4S CCR	Total/NA	Ground Water	SM 2540C	
310-301112-16	D-8 CCR	Total/NA	Ground Water	SM 2540C	
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	SM 2540C	
310-301112-19	Equipment Blank CCR	Total/NA	Water	SM 2540C	
MB 310-447945/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-447945/2	Lab Control Sample	Total/NA	Water	SM 2540C	
310-301112-6 DU	D-9 CCR	Total/NA	Ground Water	SM 2540C	

Rad

Prep Batch: 705864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-10	U-5S CCR	Total/NA	Ground Water	PrecSep-21	
MB 160-705864/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-705864/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
310-301112-10 MS	U-5S CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-10 MSD	U-5S CCR	Total/NA	Ground Water	PrecSep-21	

Prep Batch: 705868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	PrecSep-21	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Rad (Continued)

Prep Batch: 705868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-2	D-2D CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-3	D-3D CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-4	D-4D CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-5	D-5D CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-6	D-9 CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-7	U-4D CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-8	U-4S CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-9	U-5D CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-11	D-1S CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-12	D-2S CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-13	D-3S CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-15	D-4S CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-16	D-8 CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-19	Equipment Blank CCR	Total/NA	Water	PrecSep-21	
310-301112-20	Field Blank 1 CCR	Total/NA	Water	PrecSep-21	
MB 160-705868/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-705868/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
310-301112-4 MS	D-4D CCR	Total/NA	Ground Water	PrecSep-21	
310-301112-4 MSD	D-4D CCR	Total/NA	Ground Water	PrecSep-21	

Prep Batch: 705869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-1	D-1D CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-2	D-2D CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-3	D-3D CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-4	D-4D CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-5	D-5D CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-6	D-9 CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-7	U-4D CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-8	U-4S CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-9	U-5D CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-11	D-1S CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-12	D-2S CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-13	D-3S CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-14	D-5S2 CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-15	D-4S CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-16	D-8 CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-17	DUP-1 CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-18	DUP-2 CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-19	Equipment Blank CCR	Total/NA	Water	PrecSep_0	
310-301112-20	Field Blank 1 CCR	Total/NA	Water	PrecSep_0	
MB 160-705869/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705869/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
310-301112-4 MS	D-4D CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-4 MSD	D-4D CCR	Total/NA	Ground Water	PrecSep_0	

QC Association Summary

Client: Waste Connections, Inc.

Job ID: 310-301112-1

Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Rad

Prep Batch: 709477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-301112-10	U-5S CCR	Total/NA	Ground Water	PrecSep_0	
MB 160-709477/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-709477/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
310-301112-10 MS	U-5S CCR	Total/NA	Ground Water	PrecSep_0	
310-301112-10 MSD	U-5S CCR	Total/NA	Ground Water	PrecSep_0	

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-1D CCR

Date Collected: 02/26/25 11:55

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448323	WZC8	EET CF	03/07/25 12:26
Total/NA	Prep	3005A			447936	F5MW	EET CF	03/04/25 09:00
Total/NA	Analysis	6020B		1	448552	NFT2	EET CF	03/10/25 18:11
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 15:46
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:50
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710297	SWS	EET SL	04/01/25 07:29
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709483	FLC	EET SL	03/27/25 14:34
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 13:07

Client Sample ID: D-2D CCR

Date Collected: 02/26/25 13:00

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448323	WZC8	EET CF	03/07/25 12:42
Total/NA	Prep	3005A			447936	F5MW	EET CF	03/04/25 09:00
Total/NA	Analysis	6020B		1	448552	NFT2	EET CF	03/10/25 18:14
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 15:48
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:54
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710297	SWS	EET SL	04/01/25 07:29
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709483	FLC	EET SL	03/27/25 14:35
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 13:07

Client Sample ID: D-3D CCR

Date Collected: 02/26/25 09:45

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448323	WZC8	EET CF	03/07/25 12:58
Total/NA	Prep	3005A			447936	F5MW	EET CF	03/04/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 11:24
Total/NA	Prep	3005A			447936	F5MW	EET CF	03/04/25 09:00
Total/NA	Analysis	6020B		1	448552	NFT2	EET CF	03/10/25 18:16
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 15:50
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-3D CCR

Date Collected: 02/26/25 09:45

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:30
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710297	SWS	EET SL	04/01/25 07:31
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709483	FLC	EET SL	03/27/25 14:35
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 13:07

Client Sample ID: D-4D CCR

Date Collected: 02/27/25 09:35

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448323	WZC8	EET CF	03/07/25 13:13
Total/NA	Prep	3005A			447936	F5MW	EET CF	03/04/25 09:00
Total/NA	Analysis	6020B		1	448552	NFT2	EET CF	03/10/25 17:51
Total/NA	Prep	7470A			447887	F5MW	EET CF	03/04/25 09:23
Total/NA	Analysis	7470A		1	448042	F5MW	EET CF	03/04/25 13:26
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:26
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710297	SWS	EET SL	04/01/25 07:31
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709483	FLC	EET SL	03/27/25 14:35
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 13:07

Client Sample ID: D-5D CCR

Date Collected: 02/25/25 15:15

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448323	WZC8	EET CF	03/07/25 14:00
Total/NA	Prep	3005A			447936	F5MW	EET CF	03/04/25 09:00
Total/NA	Analysis	6020B		1	448552	NFT2	EET CF	03/10/25 18:19
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 15:52
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:41
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710297	SWS	EET SL	04/01/25 07:31
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709483	FLC	EET SL	03/27/25 14:35
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 13:07

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-9 CCR

Date Collected: 02/27/25 11:35

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448323	WZC8	EET CF	03/07/25 14:16
Total/NA	Prep	3005A			447936	F5MW	EET CF	03/04/25 09:00
Total/NA	Analysis	6020B		1	448552	NFT2	EET CF	03/10/25 18:22
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 15:54
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:32
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:43
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709483	FLC	EET SL	03/27/25 14:35
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 13:07

Client Sample ID: U-4D CCR

Date Collected: 02/25/25 11:30

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448323	WZC8	EET CF	03/07/25 14:31
Total/NA	Prep	3005A			447936	F5MW	EET CF	03/04/25 09:00
Total/NA	Analysis	6020B		1	448552	NFT2	EET CF	03/10/25 18:25
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 15:56
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:44
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:43
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709483	FLC	EET SL	03/27/25 14:35
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 13:07

Client Sample ID: U-4S CCR

Date Collected: 02/25/25 10:45

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 12:11
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 13:32
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 15:58
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:55

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: U-4S CCR

Date Collected: 02/25/25 10:45

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709483	FLC	EET SL	03/27/25 14:35
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: U-5D CCR

Date Collected: 02/25/25 13:05

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-9

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 12:27
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 13:23
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:01
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:43
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:30
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: U-5S CCR

Date Collected: 02/25/25 12:45

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-10

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 13:13
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 13:13
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 15:35
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:51
Total/NA	Prep	PrecSep-21			705864	OGC	EET SL	03/04/25 07:30
Total/NA	Analysis	9315		1	710157	SWS	EET SL	04/01/25 07:42
Total/NA	Prep	PrecSep_0			709477	OGC	EET SL	03/27/25 11:40
Total/NA	Analysis	9320		1	710744	SWS	EET SL	04/04/25 10:26
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-1S CCR

Date Collected: 02/26/25 10:35

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-11

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 14:00
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 13:35
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:03
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:53
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:30
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: D-2S CCR

Date Collected: 02/26/25 12:50

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-12

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 14:16
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 13:37
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:09
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:45
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:30
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: D-3S CCR

Date Collected: 02/26/25 09:30

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-13

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 14:31
Total/NA	Analysis	9056A		20	448344	WZC8	EET CF	03/06/25 10:55
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 13:39
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448740	NFT2	EET CF	03/12/25 12:24
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:11

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-3S CCR

Date Collected: 02/26/25 09:30

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-13

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:28
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:29
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: D-5S2 CCR

Date Collected: 02/25/25 14:35

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-14

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 15:57
Total/NA	Prep	3005A			448269	Y3EC	EET CF	03/07/25 08:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 15:46
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:13
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:49
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:29
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: D-4S CCR

Date Collected: 02/27/25 09:20

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-15

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 15:02
Total/NA	Prep	3005A			448269	Y3EC	EET CF	03/07/25 08:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 15:36
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:16
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:34
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:29
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: D-8 CCR

Date Collected: 02/27/25 10:40

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-16

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 15:18
Total/NA	Prep	3005A			448269	Y3EC	EET CF	03/07/25 08:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 15:34
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:18
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:31
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:29
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: DUP-1 CCR

Date Collected: 02/25/25 00:00

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-17

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 15:34
Total/NA	Prep	3005A			448269	Y3EC	EET CF	03/07/25 08:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 15:32
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:20
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:42
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:29
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: DUP-2 CCR

Date Collected: 02/27/25 00:00

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-18

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	448344	WZC8	EET CF	03/05/25 16:20
Total/NA	Prep	3005A			448269	Y3EC	EET CF	03/07/25 08:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 15:29
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:22
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:47

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Client Sample ID: DUP-2 CCR

Date Collected: 02/27/25 00:00

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-18

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:38
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:44
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:29
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: Equipment Blank CCR

Date Collected: 02/27/25 11:45

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	448344	WZC8	EET CF	03/05/25 16:36
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 13:46
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:24
Total/NA	Analysis	SM 2540C		1	447945	MDU9	EET CF	03/03/25 20:30
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:46
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:41
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:45
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:29
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Client Sample ID: Field Blank 1 CCR

Date Collected: 02/25/25 13:30

Date Received: 02/28/25 12:50

Lab Sample ID: 310-301112-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	448344	WZC8	EET CF	03/05/25 16:52
Total/NA	Prep	3005A			448012	Y3EC	EET CF	03/05/25 09:00
Total/NA	Analysis	6020B		1	448663	NFT2	EET CF	03/11/25 13:49
Total/NA	Prep	7470A			448112	F5MW	EET CF	03/06/25 11:05
Total/NA	Analysis	7470A		1	448296	F5MW	EET CF	03/06/25 16:26
Total/NA	Analysis	SM 2540C		1	447821	MDU9	EET CF	02/28/25 19:00
Total/NA	Analysis	SM 4500 H+ B		1	447816	A3GU	EET CF	02/28/25 16:29
Total/NA	Prep	PrecSep-21			705868	OGC	EET SL	03/04/25 07:41
Total/NA	Analysis	9315		1	710156	SWS	EET SL	04/01/25 07:45
Total/NA	Prep	PrecSep_0			705869	OGC	EET SL	03/04/25 07:42
Total/NA	Analysis	9320		1	709485	FLC	EET SL	03/27/25 14:29
Total/NA	Analysis	Ra226_Ra228		1	711180	FLC	EET SL	04/07/25 14:39

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Laboratory References:
EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

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Accreditation/Certification Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Laboratory: Eurofins Cedar Falls

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

Authority	Program	Identification Number	Expiration Date
Minnesota	NELAP	019-999-319	12-31-25

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-08-25
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25 *
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Cedar Falls

Method Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 4500 H+ B	pH	SM	EET CF
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
3005A	Preparation, Total Metals	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

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.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

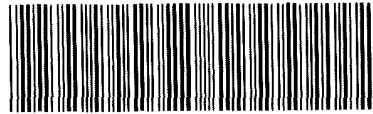
Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



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310-301112 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater & environmental</u>			
City/State: <u>Eagan</u> <u>MN</u>		Project:	
Receipt Information			
Date/Time Received: <u>2/28/25</u> <u>1:250</u>		Received By: <u>XB</u>	
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No If yes: Cooler ID.	
Multiple Coolers?		☒ Yes ☐ No If yes: Cooler # <u>1</u> of <u>9</u>	
Cooler Custody Seals Present?		☒ Yes ☐ No If yes: Cooler custody seals intact? ☐ Yes ☐ No	
Sample Custody Seals Present?		☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No	
Trip Blank Present?		☐ Yes ☒ No If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID. <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.5</u>		Corrected Temp (°C): <u>0.5</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Environment Testing
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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater Environmental</u>			
City/State:	<u>Eagan</u>	<u>MN</u>	Project:
Receipt Information			
Date/Time Received:	<u>2/28/25</u>	<u>1250</u>	Received By:
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>2</u> of <u>4</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.5</u>		Corrected Temp (°C): <u>1.5</u>	
• Sample Container Temperature			
Container(s) used.	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login.			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater Environmental</u>			
City/State:	<u>Eagan</u>	<u>MN</u>	Project:
Receipt Information			
Date/Time Received:	<u>2/26/25</u>	<u>1250</u>	Received By:
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID: _____
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>3</u> of <u>4</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>Z</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.6</u>		Corrected Temp (°C): <u>1.6</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater Environmental</u>			
City/State:	<u>Eagan</u> CITY	<u>MN</u> STATE	Project:
Receipt Information			
Date/Time Received	<u>2/28/25</u> DATE	<u>1250</u> TIME	Received By:
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>4</u> of <u>4</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.7</u>		Corrected Temp (°C): <u>0.7</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater Environmental</u>			
City/State:	<u>Eagan</u>	<u>MN</u>	Project:
Receipt Information			
Date/Time Received:	<u>2/26/25</u>	<u>1250</u>	Received By:
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>5</u> of <u>4</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>2.5</u>		Corrected Temp (°C): <u>2.5</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater Environmental</u>			
City/State:	<u>Eagan</u> CITY	<u>MN</u> STATE	Project:
Receipt Information			
Date/Time Received	<u>2/28/25</u> DATE	<u>1250</u> TIME	Received By:
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID: _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>6</u> of <u>4</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☒ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☐ Yes ☒ No If yes: Which VOA samples are in cooler? ↓			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>Z</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.6</u>		Corrected Temp (°C): <u>0.6</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater Environmental</u>			
City/State:	<u>Eagan</u>	<u>MN</u>	Project:
Receipt Information			
Date/Time Received	<u>2/28/25</u>	<u>1250</u>	Received By:
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>7</u> of <u>4</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>Z</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.1</u>		Corrected Temp (°C): <u>1.1</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater Environmental</u>			
City/State:	<u>Eagan</u> CITY <u>MN</u> STATE	Project:	
Receipt Information			
Date/Time Received	<u>2/28/25</u> DATE <u>1250</u> TIME	Received By:	
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID: _____
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>2</u> of <u>4</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.0</u>		Corrected Temp (°C): <u>1.0</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Groundwater Environmental</u>			
City/State:	<u>Eagan</u>	<u>MN</u>	Project:
Receipt Information			
Date/Time Received.	<u>2/28/25</u>	<u>1250</u>	Received By:
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID:
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>9</u> of <u>4</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>Z</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.7</u>		Corrected Temp (°C): <u>0.7</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

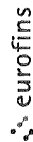
Eurofins Cedar Falls

3019 Venture Way

Cedar Falls, IA 50613

Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Eurofins Minneapolis SC
213Environm
America

Client Information		Lab PM: Bindert, Zach T		Carrier Tracking No(s): 310-68363-19638 1								
Company: Groundwater & Environmental Services Inc		Phone: 651-792-6085		Page: Page 1 of 2								
Address: 1301 Corporate Center Drive Suite 190		E-Mail: Zach.Bindert@Eurofinset.com		Job #: 3502287/40/870								
City: Eagan		State: MN		Preservation Codes:								
State, Zip: MN, 55121-1562		TAT Requested (days): 5 days		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:								
Phone:		Compliance Project: Δ Yes Δ No		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)								
PO #:		Purchase Order not required		Other:								
WO #:		Due Date Requested:		Analysis Requested								
Project #:		TAT Requested (days):		9315_Ra226 - Standard Target List								
SSOW #:		Compliance Project: Δ Yes Δ No		9320_Ra226 - Standard Target List								
Project Name: SKB Rosemount - CCR Monitoring (SPRING)		PO #:		9056A_ORGM_28D - Chloride, Fluoride, Sulfate								
Site: Minnesota		WO #:		6020B_7470 (Hg)								
		Project #:		TDS - 2540C_Calcd, pH - SM4500_H+								
		SSOW #:		Total Number of Containers								
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	9320_Ra226 - Standard Target List	9056A_ORGM_28D - Chloride, Fluoride, Sulfate	6020B_7470 (Hg)	TDS - 2540C_Calcd, pH - SM4500_H+	Special Instructions/Note:
D-1D CCR	2/16/25	11:55	6	Water			X	X	X	X	X	PLEASE LOGIN USING SITES AND EVENTS
D-2D CCR	2/16/25	13:00	6	Water			X	X	X	X	X	
D-3D CCR	2/16/25	9:45	6	Water			X	X	X	X	X	
D-4D CCR	2/17/25	9:35	6	Water		X	X	X	X	X	X	MS/MSD
D-5D CCR	2/17/25	15:15	6	Water			X	X	X	X	X	
D-9 CCR	2/17/25	11:35	6	Water			X	X	X	X	X	
U-4D CCR	2/17/25	11:30	6	Water			X	X	X	X	X	
U-4S CCR	2/17/25	10:45	6	Water			X	X	X	X	X	
U-5D CCR	2/17/25	13:05	6	Water			X	X	X	X	X	
U-5S CCR	2/17/25	12:45	6	Water		X	X	X	X	X	X	MS/MSD
D-1S CCR	2/16/25	10:35	6	Water			X	X	X	X	X	

Possible Hazard Identification		Time	
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B
Deliverable Requested I, II, III, IV, Other (specify)		Empty Kit Relinquished by	
Relinquished by: [Signature]		Date: 2/17/25 12:35	
Relinquished by: [Signature]		Date: 2-27 12:00	
Relinquished by: [Signature]		Date: 2/28/25 12:50	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No	

Special Instructions/QC Requirements		Time	
☐ Return To Client	☐ Disposal By Lab	☐ Archive For	☐ Months
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Relinquished by: [Signature]	
Special Instructions/QC Requirements		Date/Time: 2-27 12:30	
Relinquished by: [Signature]		Date/Time: 2-27 12:00	
Relinquished by: [Signature]		Date/Time: 2/28/25 12:50	
Cooler Temperature(s) °C and Other Remarks:		Company: Eurofins	

Ver: 01/16/2019

Chain of Custody Record

Eurofins Minneapolis SC
213

Client Information		Lab PM:		Carrier Tracking No(s):		COC No:								
Nicholas Schlage		Bindert, Zach T				310-68363-19638.2								
Phone: 651-792-6088		E-Mail: Zach.Bindert@Eurofinsnet.com		State of Origin: MN		Page: Page 2 of 2								
Company: Groundwater & Environmental Services Inc		PWSID:		Job #:		3502287/401870								
Address: 1301 Corporate Center Drive Suite 190		Due Date Requested:		Analysis Requested		Preservation Codes:								
City: Eagan		TAT Requested (days): 5 standard				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:								
State, Zip: MN, 55121-1562		Compliance Project: Δ Yes Δ No				M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)								
Phone:		Purchase Order not required												
Email: nschlage@gesonline.com		WO #:												
Project Name: SKB Rosemount - CCR Monitoring (SPRING)		Project #:												
Site: Minnesota		SSOW#:												
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, T=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Standard Target List	Ra226Ra228 - GFC - Local Method	9320_Ra228 - Standard Target List	9556A_ORGFM_28D - Chloride, Fluoride, Sulfate	CCR Metals (Ba, B, Ca, Cr, Co) - 6020B	TDS - 2540C, Calcd, pH - SM4500_H+	Total Number of containers	Special Instructions/Note:
D-2S CCR	2/26/15	12:50	6	Water			X	X	X	X	X	X	6	PLEASE LOGIN USING SITES AND EVENTS
D-3S CCR	2/26/15	9:30	6	Water			X	X	X	X	X	X	5	
D-5S2 CCR	2/25/15	14:38	6	Water			X	X	X	X	X	X	5	
D-4S CCR	2/27/15	9:20	6	Water			X	X	X	X	X	X	5	
D-8 CCR	2/27/15	10:40	6	Water			X	X	X	X	X	X	5	
D-7 CCR	-	-	-	Water			X	X	X	X	X	X	5	No Sample, well dry
DUP-1 CCR	2/25/15	-	6	Water			X	X	X	X	X	X	5	
DUP-2 CCR	2/27/15	-	6	Water			X	X	X	X	X	X	5	
Equipment Blank CCR	2/27/15	11:48	8	Water			X	X	X	X	X	X	5	
Field Blank 1 CCR	2/25/15	13:36	8	Water			X	X	X	X	X	X	6	

Possible Hazard Identification	Non-Hazard	Flammable	Skin Irritant	Poison B	Unknown	Radiological
Deliverable Requested I, II, III, IV, Other (specify)						

Empty Kit Relinquished by	Date	Time	Method of Shipment
Relinquished by: [Signature]	2/27/15	17:35	Company: GES
Relinquished by: [Signature]	2-27	12:00	Company: Eurofins
Relinquished by: [Signature]	2/27/15	12:50	Company: Eurofins

Custody Seals Intact:	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No		

Login Sample Receipt Checklist

Client: Waste Connections, Inc.

Job Number: 310-301112-1

SDG Number:

Login Number: 301112

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Cedar Falls



Tracer/Carrier Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Job ID: 310-301112-1

Method: 9315 - Radium-226 (GFPC)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
310-301112-1	D-1D CCR	84.0					
310-301112-2	D-2D CCR	90.8					
310-301112-3	D-3D CCR	88.5					
310-301112-4	D-4D CCR	88.0					
310-301112-4 MS	D-4D CCR	87.4					
310-301112-4 MSD	D-4D CCR	84.3					
310-301112-5	D-5D CCR	93.2					
310-301112-6	D-9 CCR	82.5					
310-301112-7	U-4D CCR	81.4					
310-301112-8	U-4S CCR	85.6					
310-301112-9	U-5D CCR	85.3					
310-301112-10	U-5S CCR	83.0					
310-301112-10 MS	U-5S CCR	85.6					
310-301112-10 MSD	U-5S CCR	84.0					
310-301112-11	D-1S CCR	79.8					
310-301112-12	D-2S CCR	83.0					
310-301112-13	D-3S CCR	79.3					
310-301112-14	D-5S2 CCR	83.5					
310-301112-15	D-4S CCR	85.6					
310-301112-16	D-8 CCR	80.6					
310-301112-17	DUP-1 CCR	84.8					
310-301112-18	DUP-2 CCR	81.7					
Tracer/Carrier Legend							
Ba = Barium							

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
310-301112-19	Equipment Blank CCR	83.5					
310-301112-20	Field Blank 1 CCR	80.4					
LCS 160-705864/2-A	Lab Control Sample	93.2					
LCS 160-705868/2-A	Lab Control Sample	83.8					
MB 160-705864/1-A	Method Blank	84.6					
MB 160-705868/1-A	Method Blank	86.9					
Tracer/Carrier Legend							
Ba = Barium							

Method: 9320 - Radium-228 (GFPC)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba	Y				
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
310-301112-1	D-1D CCR	84.0	74.4				
310-301112-2	D-2D CCR	90.8	82.2				
310-301112-3	D-3D CCR	88.5	81.5				

Eurofins Cedar Falls

Tracer/Carrier Summary

Client: Waste Connections, Inc.

Job ID: 310-301112-1

Project/Site: SKB Rosemount - CCR Monitoring (SPRING)

Method: 9320 - Radium-228 (GFPC) (Continued)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
310-301112-4	D-4D CCR	88.0	83.7
310-301112-4 MS	D-4D CCR	87.4	78.1
310-301112-4 MSD	D-4D CCR	84.3	86.0
310-301112-5	D-5D CCR	93.2	82.2
310-301112-6	D-9 CCR	82.5	75.5
310-301112-7	U-4D CCR	81.4	85.6
310-301112-8	U-4S CCR	85.6	89.7
310-301112-9	U-5D CCR	85.3	83.4
310-301112-10	U-5S CCR	72.6	79.3
310-301112-10 MS	U-5S CCR	89.5	80.4
310-301112-10 MSD	U-5S CCR	80.2	80.7
310-301112-11	D-1S CCR	79.8	85.2
310-301112-12	D-2S CCR	83.0	84.1
310-301112-13	D-3S CCR	79.3	83.0
310-301112-14	D-5S2 CCR	83.5	83.4
310-301112-15	D-4S CCR	85.6	81.5
310-301112-16	D-8 CCR	80.6	81.9
310-301112-17	DUP-1 CCR	84.8	93.1
310-301112-18	DUP-2 CCR	81.7	80.0

Tracer/Carrier Legend

Ba = Barium

Y = Y Carrier

Method: 9320 - 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)
310-301112-19	Equipment Blank CCR	83.5	71.0
310-301112-20	Field Blank 1 CCR	80.4	83.0
LCS 160-705869/2-A	Lab Control Sample	83.8	79.3
LCS 160-709477/2-A	Lab Control Sample	78.5	79.3
MB 160-705869/1-A	Method Blank	86.9	75.9
MB 160-709477/1-A	Method Blank	78.7	84.5

Tracer/Carrier Legend

Ba = Barium

Y = Y Carrier



ANALYTICAL REPORT

PREPARED FOR

Attn: Miranda Gonzalez
Waste Connections, Inc.
13425 Courthouse Blvd
Rosemount, Minnesota 55068

Generated 11/21/2025 2:04:34 PM

JOB DESCRIPTION

SKB Rosemount - CCR Monitoring (Fall)
CCR Groundwater (FALL)

JOB NUMBER

310-318373-1

Eurofins Cedar Falls

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Zach Bindert, Senior Project Manager
Zach.Bindert@et.eurofinsus.com
(319)595-2016

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Case Narrative

Client: Waste Connections, Inc.
Project: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Job ID: 310-318373-1

Eurofins Cedar Falls

Job Narrative 310-318373-1

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 10/18/2025 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were -0.3°C, 0.2°C, 0.3°C, 0.4°C, 0.4°C, 0.4°C, 0.5°C, 0.6°C, 0.6°C, 0.6°C, 0.8°C and 0.9°C.

HPLC/IC

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: D-1D CCR (310-318373-1), D-2D CCR (310-318373-2), D-3D CCR (310-318373-3), D-4D CCR (310-318373-4), D-5D CCR (310-318373-5), D-9 CCR (310-318373-6), U-4D CCR (310-318373-7), U-4S CCR (310-318373-8), U-5D CCR (310-318373-9), U-5S CCR (310-318373-10), D-1S CCR (310-318373-11), D-2S CCR (310-318373-12), D-3S CCR (310-318373-13), D-5S2 CCR (310-318373-14) and DUP-1 CCR (310-318373-17). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: D-4S CCR (310-318373-15), D-8 CCR (310-318373-16) and DUP-2 CCR (310-318373-18). 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 initial calibration verification (ICV) result for batch 310-471821 was above the upper control limit. The affected analytes are: antimony. Sample results were non-detects, and have been reported as qualified data.

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

General Chemistry

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

Eurofins Cedar Falls

Case Narrative

Client: Waste Connections, Inc.
Project: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Job ID: 310-318373-2

Eurofins Cedar Falls

Job Narrative 310-318373-2

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 10/18/2025 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were -0.3°C, 0.2°C, 0.3°C, 0.4°C, 0.4°C, 0.4°C, 0.5°C, 0.6°C, 0.6°C, 0.6°C, 0.8°C and 0.9°C.

Gas Flow Proportional Counter

Method 9320_Ra228: Radium 228 Batch 742081

The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 126%: (LCS 160-742081/2-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

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

Rad

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

Eurofins Cedar Falls

Sample Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-318373-1	D-1D CCR	Ground Water	10/16/25 12:10	10/18/25 08:40	Minnesota
310-318373-2	D-2D CCR	Ground Water	10/16/25 14:00	10/18/25 08:40	Minnesota
310-318373-3	D-3D CCR	Ground Water	10/16/25 10:55	10/18/25 08:40	Minnesota
310-318373-4	D-4D CCR	Ground Water	10/17/25 09:10	10/18/25 08:40	Minnesota
310-318373-5	D-5D CCR	Ground Water	10/16/25 09:25	10/18/25 08:40	Minnesota
310-318373-6	D-9 CCR	Ground Water	10/17/25 12:20	10/18/25 08:40	Minnesota
310-318373-7	U-4D CCR	Ground Water	10/15/25 12:00	10/18/25 08:40	Minnesota
310-318373-8	U-4S CCR	Ground Water	10/15/25 11:10	10/18/25 08:40	Minnesota
310-318373-9	U-5D CCR	Ground Water	10/15/25 15:10	10/18/25 08:40	Minnesota
310-318373-10	U-5S CCR	Ground Water	10/15/25 14:20	10/18/25 08:40	Minnesota
310-318373-11	D-1S CCR	Ground Water	10/16/25 11:45	10/18/25 08:40	Minnesota
310-318373-12	D-2S CCR	Ground Water	10/16/25 13:45	10/18/25 08:40	Minnesota
310-318373-13	D-3S CCR	Ground Water	10/16/25 10:20	10/18/25 08:40	Minnesota
310-318373-14	D-5S2 CCR	Ground Water	10/16/25 09:10	10/18/25 08:40	Minnesota
310-318373-15	D-4S CCR	Ground Water	10/17/25 08:55	10/18/25 08:40	Minnesota
310-318373-16	D-8 CCR	Ground Water	10/17/25 11:25	10/18/25 08:40	Minnesota
310-318373-17	DUP-1 CCR	Ground Water	10/15/25 00:00	10/18/25 08:40	Minnesota
310-318373-18	DUP-2 CCR	Ground Water	10/17/25 00:00	10/18/25 08:40	Minnesota
310-318373-19	Equipment Blank CCR	Water	10/17/25 12:45	10/18/25 08:40	Minnesota
310-318373-20	Field Blank 1 CCR	Water	10/17/25 12:46	10/18/25 08:40	Minnesota

Detection Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-1D CCR

Lab Sample ID: 310-318373-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	32		5.0		mg/L	5		9056A	Total/NA
Sulfate	24		5.0		mg/L	5		9056A	Total/NA
Barium	0.053		0.0020		mg/L	1		6020B	Total/NA
Calcium	97.4		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	382		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-2D CCR

Lab Sample ID: 310-318373-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	29		5.0		mg/L	5		9056A	Total/NA
Sulfate	20		5.0		mg/L	5		9056A	Total/NA
Barium	0.055		0.0020		mg/L	1		6020B	Total/NA
Calcium	102		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	374		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-3D CCR

Lab Sample ID: 310-318373-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	93		5.0		mg/L	5		9056A	Total/NA
Sulfate	29		5.0		mg/L	5		9056A	Total/NA
Barium	0.066		0.0020		mg/L	1		6020B	Total/NA
Calcium	111		0.50		mg/L	1		6020B	Total/NA
Chromium	0.15		0.0050		mg/L	1		6020B	Total/NA
Total Dissolved Solids	502		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-4D CCR

Lab Sample ID: 310-318373-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	47		5.0		mg/L	5		9056A	Total/NA
Sulfate	23		5.0		mg/L	5		9056A	Total/NA
Barium	0.071		0.0020		mg/L	1		6020B	Total/NA
Calcium	108		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	444		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-5D CCR

Lab Sample ID: 310-318373-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	64		5.0		mg/L	5		9056A	Total/NA
Sulfate	29		5.0		mg/L	5		9056A	Total/NA
Barium	0.060		0.0020		mg/L	1		6020B	Total/NA
Calcium	111		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	450		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.9	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-9 CCR

Lab Sample ID: 310-318373-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	43		5.0		mg/L	5		9056A	Total/NA
Sulfate	17		5.0		mg/L	5		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-9 CCR (Continued)

Lab Sample ID: 310-318373-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.089		0.0020		mg/L	1		6020B	Total/NA
Calcium	126		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	474		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.7	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: U-4D CCR

Lab Sample ID: 310-318373-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31		5.0		mg/L	5		9056A	Total/NA
Sulfate	22		5.0		mg/L	5		9056A	Total/NA
Barium	0.043		0.0020		mg/L	1		6020B	Total/NA
Calcium	97.2		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	416		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.9	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: U-4S CCR

Lab Sample ID: 310-318373-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31		5.0		mg/L	5		9056A	Total/NA
Barium	0.036		0.0020		mg/L	1		6020B	Total/NA
Calcium	96.9		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	368		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: U-5D CCR

Lab Sample ID: 310-318373-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	28		5.0		mg/L	5		9056A	Total/NA
Sulfate	25		5.0		mg/L	5		9056A	Total/NA
Barium	0.058		0.0020		mg/L	1		6020B	Total/NA
Calcium	94.6		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	380		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.9	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: U-5S CCR

Lab Sample ID: 310-318373-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	45		5.0		mg/L	5		9056A	Total/NA
Sulfate	22		5.0		mg/L	5		9056A	Total/NA
Barium	0.066		0.0020		mg/L	1		6020B	Total/NA
Calcium	103		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	402		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.9	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-1S CCR

Lab Sample ID: 310-318373-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	49		5.0		mg/L	5		9056A	Total/NA
Sulfate	19		5.0		mg/L	5		9056A	Total/NA
Barium	0.050		0.0020		mg/L	1		6020B	Total/NA
Calcium	103		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	418		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-2S CCR

Lab Sample ID: 310-318373-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	42		5.0		mg/L	5		9056A	Total/NA
Sulfate	23		5.0		mg/L	5		9056A	Total/NA
Barium	0.047		0.0020		mg/L	1		6020B	Total/NA
Calcium	105		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	414		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-3S CCR

Lab Sample ID: 310-318373-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	370		10		mg/L	10		9056A	Total/NA
Sulfate	46		5.0		mg/L	5		9056A	Total/NA
Barium	0.14		0.0020		mg/L	1		6020B	Total/NA
Calcium	187		0.50		mg/L	1		6020B	Total/NA
Chromium	0.14		0.0050		mg/L	1		6020B	Total/NA
Cobalt	0.00056		0.00050		mg/L	1		6020B	Total/NA
Total Dissolved Solids	1030		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-5S2 CCR

Lab Sample ID: 310-318373-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	85		5.0		mg/L	5		9056A	Total/NA
Sulfate	45		5.0		mg/L	5		9056A	Total/NA
Barium	0.079		0.0020		mg/L	1		6020B	Total/NA
Boron	0.10		0.10		mg/L	1		6020B	Total/NA
Calcium	141		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	578		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.9	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-4S CCR

Lab Sample ID: 310-318373-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	46		5.0		mg/L	5		9056A	Total/NA
Sulfate	25		5.0		mg/L	5		9056A	Total/NA
Barium	0.084		0.0020		mg/L	1		6020B	Total/NA
Calcium	104		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	446		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: D-8 CCR

Lab Sample ID: 310-318373-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	18		5.0		mg/L	5		9056A	Total/NA
Sulfate	31		5.0		mg/L	5		9056A	Total/NA
Barium	0.076		0.0020		mg/L	1		6020B	Total/NA
Calcium	112		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	418		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.9	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: DUP-1 CCR

Lab Sample ID: 310-318373-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	44		5.0		mg/L	5		9056A	Total/NA
Sulfate	22		5.0		mg/L	5		9056A	Total/NA
Barium	0.065		0.0020		mg/L	1		6020B	Total/NA
Calcium	99.4		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	414		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: DUP-2 CCR

Lab Sample ID: 310-318373-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	46		5.0		mg/L	5		9056A	Total/NA
Sulfate	25		5.0		mg/L	5		9056A	Total/NA
Barium	0.081		0.0020		mg/L	1		6020B	Total/NA
Calcium	112		0.50		mg/L	1		6020B	Total/NA
Total Dissolved Solids	444		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: Equipment Blank CCR

Lab Sample ID: 310-318373-19

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: Field Blank 1 CCR

Lab Sample ID: 310-318373-20

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.8	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-1D CCR

Lab Sample ID: 310-318373-1

Date Collected: 10/16/25 12:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32		5.0		mg/L			11/03/25 10:43	5
Fluoride	<1.0		1.0		mg/L			11/03/25 10:43	5
Sulfate	24		5.0		mg/L			11/03/25 10:43	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/31/25 13:57	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 14:49	1
Barium	0.053		0.0020		mg/L		10/24/25 09:00	10/29/25 14:49	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:53	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/31/25 13:57	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/29/25 14:49	1
Calcium	97.4		0.50		mg/L		10/24/25 09:00	10/30/25 15:53	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:53	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 14:49	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 14:49	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:53	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 14:49	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/29/25 14:49	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/29/25 14:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/27/25 14:15	10/28/25 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	382		50.0		mg/L			10/21/25 15:33	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:23	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.357	U	0.224	0.225	1.00	0.357	pCi/L	10/24/25 08:12	11/20/25 16:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	78.9		30 - 110					10/24/25 08:12	11/20/25 16:20	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.33		0.577	0.590	1.00	0.773	pCi/L	10/24/25 08:16	11/20/25 09:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	78.9		30 - 110					10/24/25 08:16	11/20/25 09:55	1
Y Carrier	75.5		30 - 110					10/24/25 08:16	11/20/25 09:55	1

Eurofins Cedar Falls

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-1D CCR

Lab Sample ID: 310-318373-1

Date Collected: 10/16/25 12:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.54		0.619	0.631	5.00	0.773	pCi/L		11/21/25 13:32	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-2D CCR

Lab Sample ID: 310-318373-2

Date Collected: 10/16/25 14:00

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		5.0		mg/L			11/03/25 10:59	5
Fluoride	<1.0		1.0		mg/L			11/03/25 10:59	5
Sulfate	20		5.0		mg/L			11/03/25 10:59	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:17	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:17	1
Barium	0.055		0.0020		mg/L		10/24/25 09:00	10/30/25 14:17	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:17	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:17	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:17	1
Calcium	102		0.50		mg/L		10/24/25 09:00	10/30/25 14:17	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:17	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:17	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:17	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:17	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:17	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:17	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/27/25 14:15	10/28/25 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	374		50.0		mg/L			10/21/25 15:33	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 10:52	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.606		0.301	0.306	1.00	0.365	pCi/L	10/24/25 08:12	11/20/25 16:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	75.2		30 - 110					10/24/25 08:12	11/20/25 16:20	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.965	U	0.502	0.502	1.00	0.965	pCi/L	10/24/25 08:16	11/20/25 09:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	75.2		30 - 110					10/24/25 08:16	11/20/25 09:55	1
Y Carrier	79.6		30 - 110					10/24/25 08:16	11/20/25 09:55	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-2D CCR

Lab Sample ID: 310-318373-2

Date Collected: 10/16/25 14:00

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.965	U	0.585	0.588	5.00	0.965	pCi/L		11/21/25 13:32	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-3D CCR

Lab Sample ID: 310-318373-3

Date Collected: 10/16/25 10:55

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93		5.0		mg/L			11/03/25 11:14	5
Fluoride	<1.0		1.0		mg/L			11/03/25 11:14	5
Sulfate	29		5.0		mg/L			11/03/25 11:14	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:20	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:20	1
Barium	0.066		0.0020		mg/L		10/24/25 09:00	10/30/25 14:20	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:20	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:20	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:20	1
Calcium	111		0.50		mg/L		10/24/25 09:00	10/30/25 14:20	1
Chromium	0.15		0.0050		mg/L		10/24/25 09:00	10/30/25 14:20	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:20	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:20	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:20	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:20	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:20	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/27/25 14:15	10/28/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	502		50.0		mg/L			10/21/25 15:33	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:14	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.797		0.334	0.342	1.00	0.408	pCi/L	10/24/25 08:12	11/20/25 16:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.9		30 - 110					10/24/25 08:12	11/20/25 16:21	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.664	U	0.427	0.430	1.00	0.664	pCi/L	10/24/25 08:16	11/20/25 09:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.9		30 - 110					10/24/25 08:16	11/20/25 09:55	1
Y Carrier	82.2		30 - 110					10/24/25 08:16	11/20/25 09:55	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-3D CCR

Lab Sample ID: 310-318373-3

Date Collected: 10/16/25 10:55

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.34		0.542	0.549	5.00	0.664	pCi/L		11/21/25 13:32	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-4D CCR

Lab Sample ID: 310-318373-4

Date Collected: 10/17/25 09:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47		5.0		mg/L			11/03/25 11:30	5
Fluoride	<1.0		1.0		mg/L			11/03/25 11:30	5
Sulfate	23		5.0		mg/L			11/03/25 11:30	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:22	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:22	1
Barium	0.071		0.0020		mg/L		10/24/25 09:00	10/30/25 14:22	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:22	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:22	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:22	1
Calcium	108		0.50		mg/L		10/24/25 09:00	10/30/25 14:22	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:22	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:22	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:22	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:22	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:22	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:22	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	444		50.0		mg/L			10/22/25 13:07	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:48	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.390	U	0.260	0.262	1.00	0.390	pCi/L	10/24/25 08:12	11/20/25 16:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	74.4		30 - 110					10/24/25 08:12	11/20/25 16:22	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.806	U	0.508	0.511	1.00	0.806	pCi/L	10/24/25 08:16	11/20/25 09:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	74.4		30 - 110					10/24/25 08:16	11/20/25 09:55	1
Y Carrier	80.4		30 - 110					10/24/25 08:16	11/20/25 09:55	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-4D CCR

Lab Sample ID: 310-318373-4

Date Collected: 10/17/25 09:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.885		0.571	0.574	5.00	0.806	pCi/L		11/21/25 13:32	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-5D CCR

Lab Sample ID: 310-318373-5

Date Collected: 10/16/25 09:25

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64		5.0		mg/L			11/03/25 12:17	5
Fluoride	<1.0		1.0		mg/L			11/03/25 12:17	5
Sulfate	29		5.0		mg/L			11/03/25 12:17	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:25	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:25	1
Barium	0.060		0.0020		mg/L		10/24/25 09:00	10/30/25 14:25	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:25	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:25	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:25	1
Calcium	111		0.50		mg/L		10/24/25 09:00	10/30/25 14:25	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:25	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:25	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:25	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:25	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:25	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:25	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	450		50.0		mg/L			10/22/25 14:13	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.9	HF	1.0		SU			10/18/25 12:33	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.395	U	0.238	0.238	1.00	0.395	pCi/L	10/24/25 08:12	11/20/25 16:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	68.4		30 - 110					10/24/25 08:12	11/20/25 16:22	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.915	U	0.474	0.475	1.00	0.915	pCi/L	10/24/25 08:16	11/20/25 09:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	68.4		30 - 110					10/24/25 08:16	11/20/25 09:55	1
Y Carrier	80.0		30 - 110					10/24/25 08:16	11/20/25 09:55	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-5D CCR

Lab Sample ID: 310-318373-5

Date Collected: 10/16/25 09:25

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.915	U	0.530	0.531	5.00	0.915	pCi/L		11/21/25 13:32	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-9 CCR

Lab Sample ID: 310-318373-6

Date Collected: 10/17/25 12:20

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43		5.0		mg/L			11/03/25 12:32	5
Fluoride	<1.0		1.0		mg/L			11/03/25 12:32	5
Sulfate	17		5.0		mg/L			11/03/25 12:32	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:28	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:28	1
Barium	0.089		0.0020		mg/L		10/24/25 09:00	10/30/25 14:28	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:28	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:28	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:28	1
Calcium	126		0.50		mg/L		10/24/25 09:00	10/30/25 14:28	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:28	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:28	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:28	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:28	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:28	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:28	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	474		50.0		mg/L			10/22/25 13:07	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.7	HF	1.0		SU			10/18/25 11:10	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.317	U	0.146	0.146	1.00	0.317	pCi/L	10/24/25 08:12	11/20/25 21:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.0		30 - 110					10/24/25 08:12	11/20/25 21:30	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.585	0.594	1.00	0.847	pCi/L	10/24/25 08:16	11/20/25 09:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.0		30 - 110					10/24/25 08:16	11/20/25 09:55	1
Y Carrier	77.0		30 - 110					10/24/25 08:16	11/20/25 09:55	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-9 CCR

Lab Sample ID: 310-318373-6

Date Collected: 10/17/25 12:20

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.11		0.603	0.612	5.00	0.847	pCi/L		11/21/25 13:32	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-4D CCR

Lab Sample ID: 310-318373-7

Date Collected: 10/15/25 12:00

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31		5.0		mg/L			11/03/25 12:48	5
Fluoride	<1.0		1.0		mg/L			11/03/25 12:48	5
Sulfate	22		5.0		mg/L			11/03/25 12:48	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:31	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:31	1
Barium	0.043		0.0020		mg/L		10/24/25 09:00	10/30/25 14:31	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:31	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:31	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:31	1
Calcium	97.2		0.50		mg/L		10/24/25 09:00	10/30/25 14:31	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:31	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:31	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:31	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:31	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:31	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:31	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	416		50.0		mg/L			10/21/25 12:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.9	HF	1.0		SU			10/18/25 11:28	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.365	U	0.214	0.214	1.00	0.365	pCi/L	10/24/25 08:12	11/20/25 21:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	85.8		30 - 110					10/24/25 08:12	11/20/25 21:30	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.673	U	0.417	0.419	1.00	0.673	pCi/L	10/24/25 08:16	11/20/25 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	85.8		30 - 110					10/24/25 08:16	11/20/25 09:56	1
Y Carrier	81.5		30 - 110					10/24/25 08:16	11/20/25 09:56	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-4D CCR

Lab Sample ID: 310-318373-7

Date Collected: 10/15/25 12:00

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.673	U	0.469	0.470	5.00	0.673	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-4S CCR

Lab Sample ID: 310-318373-8

Date Collected: 10/15/25 11:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31		5.0		mg/L			11/03/25 13:03	5
Fluoride	<1.0		1.0		mg/L			11/03/25 13:03	5
Sulfate	<5.0		5.0		mg/L			11/03/25 13:03	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:34	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:34	1
Barium	0.036		0.0020		mg/L		10/24/25 09:00	10/30/25 14:34	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:34	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:34	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:34	1
Calcium	96.9		0.50		mg/L		10/24/25 09:00	10/30/25 14:34	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:34	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:34	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:34	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:34	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:34	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:34	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	368		50.0		mg/L			10/21/25 12:20	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:05	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.337	U	0.231	0.233	1.00	0.337	pCi/L	10/24/25 08:12	11/20/25 21:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.9		30 - 110					10/24/25 08:12	11/20/25 21:30	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.556	U	0.368	0.371	1.00	0.556	pCi/L	10/24/25 08:16	11/20/25 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.9		30 - 110					10/24/25 08:16	11/20/25 09:56	1
Y Carrier	79.6		30 - 110					10/24/25 08:16	11/20/25 09:56	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-4S CCR

Lab Sample ID: 310-318373-8

Date Collected: 10/15/25 11:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.828		0.434	0.438	5.00	0.556	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-5D CCR

Lab Sample ID: 310-318373-9

Date Collected: 10/15/25 15:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28		5.0		mg/L			11/03/25 13:19	5
Fluoride	<1.0		1.0		mg/L			11/03/25 13:19	5
Sulfate	25		5.0		mg/L			11/03/25 13:19	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:37	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:37	1
Barium	0.058		0.0020		mg/L		10/24/25 09:00	10/30/25 14:37	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:37	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:37	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:37	1
Calcium	94.6		0.50		mg/L		10/24/25 09:00	10/30/25 14:37	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:37	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:37	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:37	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:37	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:37	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:37	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	380		50.0		mg/L			10/21/25 12:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.9	HF	1.0		SU			10/18/25 12:09	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.330	U	0.219	0.221	1.00	0.330	pCi/L	10/24/25 08:12	11/20/25 21:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	75.8		30 - 110					10/24/25 08:12	11/20/25 21:30	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.07		0.503	0.512	1.00	0.683	pCi/L	10/24/25 08:16	11/20/25 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	75.8		30 - 110					10/24/25 08:16	11/20/25 09:56	1
Y Carrier	77.8		30 - 110					10/24/25 08:16	11/20/25 09:56	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-5D CCR

Lab Sample ID: 310-318373-9

Date Collected: 10/15/25 15:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.32		0.549	0.558	5.00	0.683	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-5S CCR

Lab Sample ID: 310-318373-10

Date Collected: 10/15/25 14:20

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45		5.0		mg/L			11/03/25 13:35	5
Fluoride	<1.0		1.0		mg/L			11/03/25 13:35	5
Sulfate	22		5.0		mg/L			11/03/25 13:35	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:46	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:46	1
Barium	0.066		0.0020		mg/L		10/24/25 09:00	10/30/25 14:46	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:46	1
Boron	<0.10	F1	0.10		mg/L		10/24/25 09:00	10/30/25 14:46	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:46	1
Calcium	103		0.50		mg/L		10/24/25 09:00	10/30/25 14:46	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:46	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:46	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:46	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:46	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:46	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:46	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	402		50.0		mg/L			10/21/25 12:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.9	HF	1.0		SU			10/18/25 12:01	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.337	U	0.230	0.231	1.00	0.337	pCi/L	10/24/25 08:12	11/20/25 21:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	76.6		30 - 110					10/24/25 08:12	11/20/25 21:30	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.821		0.483	0.489	1.00	0.700	pCi/L	10/24/25 08:16	11/20/25 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	76.6		30 - 110					10/24/25 08:16	11/20/25 09:56	1
Y Carrier	75.5		30 - 110					10/24/25 08:16	11/20/25 09:56	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-5S CCR

Lab Sample ID: 310-318373-10

Date Collected: 10/15/25 14:20

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.11		0.535	0.541	5.00	0.700	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-1S CCR

Lab Sample ID: 310-318373-11

Date Collected: 10/16/25 11:45

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49		5.0		mg/L			11/03/25 14:21	5
Fluoride	<1.0		1.0		mg/L			11/03/25 14:21	5
Sulfate	19		5.0		mg/L			11/03/25 14:21	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:57	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:57	1
Barium	0.050		0.0020		mg/L		10/24/25 09:00	10/30/25 14:57	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:57	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:57	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:57	1
Calcium	103		0.50		mg/L		10/24/25 09:00	10/30/25 14:57	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:57	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:57	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:57	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:57	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:57	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:57	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	418		50.0		mg/L			10/22/25 14:13	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:01	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.392	U	0.248	0.249	1.00	0.392	pCi/L	10/24/25 08:12	11/20/25 21:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.6		30 - 110					10/24/25 08:12	11/20/25 21:30	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.956		0.396	0.406	1.00	0.499	pCi/L	10/24/25 08:16	11/20/25 09:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.6		30 - 110					10/24/25 08:16	11/20/25 09:57	1
Y Carrier	80.4		30 - 110					10/24/25 08:16	11/20/25 09:57	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-1S CCR

Lab Sample ID: 310-318373-11

Date Collected: 10/16/25 11:45

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.21		0.467	0.476	5.00	0.499	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-2S CCR

Lab Sample ID: 310-318373-12

Date Collected: 10/16/25 13:45

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42		5.0		mg/L			11/03/25 14:37	5
Fluoride	<1.0		1.0		mg/L			11/03/25 14:37	5
Sulfate	23		5.0		mg/L			11/03/25 14:37	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:00	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:00	1
Barium	0.047		0.0020		mg/L		10/24/25 09:00	10/30/25 15:00	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:00	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 15:00	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 15:00	1
Calcium	105		0.50		mg/L		10/24/25 09:00	10/30/25 15:00	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:00	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:00	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:00	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:00	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:00	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:00	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	414		50.0		mg/L			10/22/25 14:13	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:19	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.429		0.251	0.254	1.00	0.326	pCi/L	10/24/25 08:12	11/20/25 21:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	74.9		30 - 110					10/24/25 08:12	11/20/25 21:31	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.626	U	0.384	0.385	1.00	0.626	pCi/L	10/24/25 08:16	11/20/25 09:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	74.9		30 - 110					10/24/25 08:16	11/20/25 09:57	1
Y Carrier	80.4		30 - 110					10/24/25 08:16	11/20/25 09:57	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-2S CCR

Date Collected: 10/16/25 13:45

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-12

Matrix: Ground Water

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.779		0.459	0.461	5.00	0.626	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-3S CCR

Lab Sample ID: 310-318373-13

Date Collected: 10/16/25 10:20

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		10		mg/L			11/03/25 16:57	10
Fluoride	<1.0		1.0		mg/L			11/03/25 15:24	5
Sulfate	46		5.0		mg/L			11/03/25 15:24	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:06	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:06	1
Barium	0.14		0.0020		mg/L		10/24/25 09:00	10/30/25 15:06	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:06	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 15:06	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 15:06	1
Calcium	187		0.50		mg/L		10/24/25 09:00	10/30/25 15:06	1
Chromium	0.14		0.0050		mg/L		10/24/25 09:00	10/30/25 15:06	1
Cobalt	0.00056		0.00050		mg/L		10/24/25 09:00	10/30/25 15:06	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:06	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:06	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:06	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:06	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1030		50.0		mg/L			10/22/25 14:13	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:43	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.431		0.274	0.277	1.00	0.381	pCi/L	10/24/25 08:12	11/20/25 21:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.2		30 - 110					10/24/25 08:12	11/20/25 21:31	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.578	U	0.385	0.389	1.00	0.578	pCi/L	10/24/25 08:16	11/20/25 09:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	83.2		30 - 110					10/24/25 08:16	11/20/25 09:57	1
Y Carrier	81.5		30 - 110					10/24/25 08:16	11/20/25 09:57	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-3S CCR

Lab Sample ID: 310-318373-13

Date Collected: 10/16/25 10:20

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.983		0.473	0.478	5.00	0.578	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-5S2 CCR

Lab Sample ID: 310-318373-14

Date Collected: 10/16/25 09:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85		5.0		mg/L			11/03/25 15:39	5
Fluoride	<1.0		1.0		mg/L			11/03/25 15:39	5
Sulfate	45		5.0		mg/L			11/03/25 15:39	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:08	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:08	1
Barium	0.079		0.0020		mg/L		10/24/25 09:00	10/30/25 15:08	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:08	1
Boron	0.10		0.10		mg/L		10/24/25 09:00	10/30/25 15:08	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 15:08	1
Calcium	141		0.50		mg/L		10/24/25 09:00	10/30/25 15:08	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:08	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:08	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:08	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:08	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:08	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:08	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	578		50.0		mg/L			10/22/25 14:13	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.9	HF	1.0		SU			10/18/25 12:13	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.308	U	0.195	0.195	1.00	0.308	pCi/L	10/24/25 08:12	11/20/25 21:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.0		30 - 110					10/24/25 08:12	11/20/25 21:31	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.608	U	0.331	0.331	1.00	0.608	pCi/L	10/24/25 08:16	11/20/25 10:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.0		30 - 110					10/24/25 08:16	11/20/25 10:05	1
Y Carrier	86.0		30 - 110					10/24/25 08:16	11/20/25 10:05	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-5S2 CCR

Lab Sample ID: 310-318373-14

Date Collected: 10/16/25 09:10

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.608	U	0.384	0.384	5.00	0.608	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-4S CCR

Lab Sample ID: 310-318373-15

Date Collected: 10/17/25 08:55

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46		5.0		mg/L			11/03/25 17:44	5
Fluoride	<1.0		1.0		mg/L			11/03/25 17:44	5
Sulfate	25		5.0		mg/L			11/03/25 17:44	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020	^1+	0.0020		mg/L		10/24/25 09:00	10/29/25 15:49	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 15:49	1
Barium	0.084		0.0020		mg/L		10/24/25 09:00	10/29/25 15:49	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:29	1
Boron	<0.10	F1	0.10		mg/L		10/24/25 09:00	10/31/25 14:51	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/29/25 15:49	1
Calcium	104		0.50		mg/L		10/24/25 09:00	10/29/25 15:49	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/29/25 15:49	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 15:49	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 15:49	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:29	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 15:49	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/29/25 15:49	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/29/25 15:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	446		50.0		mg/L			10/22/25 13:07	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:57	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.379	U	0.244	0.245	1.00	0.379	pCi/L	10/24/25 08:01	11/20/25 16:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	78.9		30 - 110					10/24/25 08:01	11/20/25 16:18	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.628	U	0.398	0.400	1.00	0.628	pCi/L	10/24/25 08:08	11/20/25 10:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	78.9		30 - 110					10/24/25 08:08	11/20/25 10:02	1
Y Carrier	82.2		30 - 110					10/24/25 08:08	11/20/25 10:02	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-4S CCR

Lab Sample ID: 310-318373-15

Date Collected: 10/17/25 08:55

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.714		0.467	0.469	5.00	0.628	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-8 CCR

Lab Sample ID: 310-318373-16

Date Collected: 10/17/25 11:25

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18		5.0		mg/L			11/03/25 19:02	5
Fluoride	<1.0		1.0		mg/L			11/03/25 19:02	5
Sulfate	31		5.0		mg/L			11/03/25 19:02	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:11	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:11	1
Barium	0.076		0.0020		mg/L		10/24/25 09:00	10/30/25 15:11	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:11	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 15:11	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 15:11	1
Calcium	112		0.50		mg/L		10/24/25 09:00	10/30/25 15:11	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:11	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:11	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:11	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:11	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:11	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:11	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	418		50.0		mg/L			10/22/25 13:07	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.9	HF	1.0		SU			10/18/25 12:18	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.567		0.285	0.290	1.00	0.335	pCi/L	10/24/25 08:01	11/20/25 16:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	72.1		30 - 110					10/24/25 08:01	11/20/25 16:20	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.703	U	0.454	0.457	1.00	0.703	pCi/L	10/24/25 08:08	11/20/25 10:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	72.1		30 - 110					10/24/25 08:08	11/20/25 10:03	1
Y Carrier	80.0		30 - 110					10/24/25 08:08	11/20/25 10:03	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-8 CCR

Lab Sample ID: 310-318373-16

Date Collected: 10/17/25 11:25

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.14		0.536	0.541	5.00	0.703	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: DUP-1 CCR

Lab Sample ID: 310-318373-17

Date Collected: 10/15/25 00:00

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44		5.0		mg/L			11/03/25 15:55	5
Fluoride	<1.0		1.0		mg/L			11/03/25 15:55	5
Sulfate	22		5.0		mg/L			11/03/25 15:55	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:20	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:20	1
Barium	0.065		0.0020		mg/L		10/24/25 09:00	10/30/25 15:20	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:20	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 15:20	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 15:20	1
Calcium	99.4		0.50		mg/L		10/24/25 09:00	10/30/25 15:20	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:20	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:20	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:20	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:20	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:20	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:20	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	414		50.0		mg/L			10/21/25 12:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 11:32	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.421	U	0.269	0.270	1.00	0.421	pCi/L	10/24/25 08:01	11/20/25 16:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	60.1		30 - 110					10/24/25 08:01	11/20/25 16:21	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.756	U	0.498	0.502	1.00	0.756	pCi/L	10/24/25 08:08	11/20/25 10:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	60.1		30 - 110					10/24/25 08:08	11/20/25 10:03	1
Y Carrier	81.5		30 - 110					10/24/25 08:08	11/20/25 10:03	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: DUP-1 CCR

Lab Sample ID: 310-318373-17

Date Collected: 10/15/25 00:00

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.917		0.566	0.570	5.00	0.756	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: DUP-2 CCR

Lab Sample ID: 310-318373-18

Date Collected: 10/17/25 00:00

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46		5.0		mg/L			11/03/25 19:18	5
Fluoride	<1.0		1.0		mg/L			11/03/25 19:18	5
Sulfate	25		5.0		mg/L			11/03/25 19:18	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:23	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:23	1
Barium	0.081		0.0020		mg/L		10/24/25 09:00	10/30/25 15:23	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:23	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 15:23	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 15:23	1
Calcium	112		0.50		mg/L		10/24/25 09:00	10/30/25 15:23	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:23	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:23	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:23	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:23	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:23	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:23	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	444		50.0		mg/L			10/22/25 13:07	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 12:22	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.410	U	0.214	0.214	1.00	0.410	pCi/L	10/24/25 08:01	11/20/25 16:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	66.1		30 - 110					10/24/25 08:01	11/20/25 16:21	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.760	U	0.394	0.394	1.00	0.760	pCi/L	10/24/25 08:08	11/20/25 10:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	66.1		30 - 110					10/24/25 08:08	11/20/25 10:03	1
Y Carrier	78.9		30 - 110					10/24/25 08:08	11/20/25 10:03	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: DUP-2 CCR

Lab Sample ID: 310-318373-18

Date Collected: 10/17/25 00:00

Matrix: Ground Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.760	U	0.448	0.448	5.00	0.760	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: Equipment Blank CCR

Lab Sample ID: 310-318373-19

Date Collected: 10/17/25 12:45

Matrix: Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			11/03/25 16:11	1
Fluoride	<0.20		0.20		mg/L			11/03/25 16:11	1
Sulfate	<1.0		1.0		mg/L			11/03/25 16:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:26	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:26	1
Barium	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:26	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:26	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 15:26	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 15:26	1
Calcium	<0.50		0.50		mg/L		10/24/25 09:00	10/30/25 15:26	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:26	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:26	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 15:26	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:26	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 15:26	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 15:26	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<50.0		50.0		mg/L			10/22/25 13:07	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 12:05	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.336	U	0.143	0.143	1.00	0.336	pCi/L	10/24/25 08:01	11/20/25 16:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.6		30 - 110					10/24/25 08:01	11/20/25 16:21	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.659	U	0.399	0.401	1.00	0.659	pCi/L	10/24/25 08:08	11/20/25 10:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	84.6		30 - 110					10/24/25 08:08	11/20/25 10:03	1
Y Carrier	77.8		30 - 110					10/24/25 08:08	11/20/25 10:03	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: Equipment Blank CCR

Lab Sample ID: 310-318373-19

Date Collected: 10/17/25 12:45

Matrix: Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.659	U	0.424	0.426	5.00	0.659	pCi/L		11/21/25 13:41	1

Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: Field Blank 1 CCR

Lab Sample ID: 310-318373-20

Date Collected: 10/17/25 12:46

Matrix: Water

Date Received: 10/18/25 08:40

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			11/03/25 16:26	1
Fluoride	<0.20		0.20		mg/L			11/03/25 16:26	1
Sulfate	<1.0		1.0		mg/L			11/03/25 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020	^1+	0.0020		mg/L		10/24/25 09:00	10/29/25 16:00	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 16:00	1
Barium	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 16:00	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:42	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/31/25 15:00	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/29/25 16:00	1
Calcium	<0.50		0.50		mg/L		10/24/25 09:00	10/29/25 16:00	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/29/25 16:00	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 16:00	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 16:00	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:42	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 16:00	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/29/25 16:00	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/29/25 16:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<50.0		50.0		mg/L			10/22/25 13:07	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	1.0		SU			10/18/25 12:38	1

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.365	U	0.184	0.184	1.00	0.365	pCi/L	10/24/25 08:01	11/20/25 16:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	79.8		30 - 110					10/24/25 08:01	11/20/25 16:21	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.994		0.484	0.493	1.00	0.665	pCi/L	10/24/25 08:08	11/20/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	79.8		30 - 110					10/24/25 08:08	11/20/25 10:04	1
Y Carrier	74.0		30 - 110					10/24/25 08:08	11/20/25 10:04	1

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Client Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: Field Blank 1 CCR

Lab Sample ID: 310-318373-20

Date Collected: 10/17/25 12:46

Matrix: Water

Date Received: 10/18/25 08:40

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.01		0.518	0.526	5.00	0.665	pCi/L		11/21/25 13:41	1

Definitions/Glossary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
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.

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.

Rad

Qualifier	Qualifier Description
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

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-472395/3

Matrix: Water

Analysis Batch: 472395

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			11/03/25 09:52	1
Fluoride	<0.20		0.20		mg/L			11/03/25 09:52	1
Sulfate	<1.0		1.0		mg/L			11/03/25 09:52	1

Lab Sample ID: LCS 310-472395/4

Matrix: Water

Analysis Batch: 472395

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	9.68		mg/L		97	90 - 110
Fluoride	2.00	1.98		mg/L		99	90 - 110
Sulfate	10.0	9.48		mg/L		95	90 - 110

Lab Sample ID: 310-318373-10 MS

Matrix: Ground Water

Analysis Batch: 472395

Client Sample ID: U-5S CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	45		25.0	67.0		mg/L		88	80 - 120
Fluoride	<1.0		5.00	5.10		mg/L		102	80 - 120
Sulfate	22		25.0	45.5		mg/L		93	80 - 120

Lab Sample ID: 310-318373-10 MSD

Matrix: Ground Water

Analysis Batch: 472395

Client Sample ID: U-5S CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	45		25.0	68.2		mg/L		93	80 - 120	2	15
Fluoride	<1.0		5.00	5.27		mg/L		105	80 - 120	3	15
Sulfate	22		25.0	46.4		mg/L		97	80 - 120	2	15

Lab Sample ID: MB 310-472400/3

Matrix: Water

Analysis Batch: 472400

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			11/03/25 17:13	1
Fluoride	<0.20		0.20		mg/L			11/03/25 17:13	1
Sulfate	<1.0		1.0		mg/L			11/03/25 17:13	1

Lab Sample ID: LCS 310-472400/4

Matrix: Water

Analysis Batch: 472400

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	9.75		mg/L		97	90 - 110
Fluoride	2.00	2.02		mg/L		101	90 - 110
Sulfate	10.0	9.62		mg/L		96	90 - 110

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

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

Lab Sample ID: 310-318373-15 MS

Matrix: Ground Water

Analysis Batch: 472400

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46		25.0	68.5		mg/L		89	80 - 120
Fluoride	<1.0		5.00	5.21		mg/L		104	80 - 120
Sulfate	25		25.0	48.9		mg/L		95	80 - 120

Lab Sample ID: 310-318373-15 MSD

Matrix: Ground Water

Analysis Batch: 472400

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46		25.0	68.8		mg/L		90	80 - 120	0	15
Fluoride	<1.0		5.00	5.27		mg/L		105	80 - 120	1	15
Sulfate	25		25.0	49.1		mg/L		96	80 - 120	0	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-471148/1-A

Matrix: Water

Analysis Batch: 471821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 471148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 13:48	1
Barium	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 13:48	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/29/25 13:48	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 13:48	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 13:48	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 13:48	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/29/25 13:48	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/29/25 13:48	1

Lab Sample ID: MB 310-471148/1-A

Matrix: Water

Analysis Batch: 471990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 471148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 15:12	1
Calcium	<0.50		0.50		mg/L		10/24/25 09:00	10/30/25 15:12	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 15:12	1

Lab Sample ID: MB 310-471148/1-A

Matrix: Water

Analysis Batch: 472103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 471148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/31/25 13:20	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/31/25 13:20	1

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

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

Lab Sample ID: LCS 310-471148/2-A

Matrix: Water

Analysis Batch: 471821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 471148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.209		mg/L		104	80 - 120
Barium	0.100	0.106		mg/L		106	80 - 120
Cadmium	0.100	0.107		mg/L		107	80 - 120
Cobalt	0.100	0.103		mg/L		103	80 - 120
Lead	0.200	0.213		mg/L		106	80 - 120
Molybdenum	0.200	0.224		mg/L		112	80 - 120
Selenium	0.400	0.422		mg/L		106	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: LCS 310-471148/2-A

Matrix: Water

Analysis Batch: 471990

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 471148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.103		mg/L		103	80 - 120
Calcium	2.00	2.24		mg/L		112	80 - 120
Lithium	0.200	0.199		mg/L		99	80 - 120

Lab Sample ID: LCS 310-471148/2-A

Matrix: Water

Analysis Batch: 472103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 471148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.218		mg/L		109	80 - 120
Boron	0.200	0.198		mg/L		99	80 - 120

Lab Sample ID: MB 310-471149/1-A

Matrix: Water

Analysis Batch: 471983

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 471149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:11	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:11	1
Barium	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:11	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:11	1
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:11	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/30/25 14:11	1
Calcium	<0.50		0.50		mg/L		10/24/25 09:00	10/30/25 14:11	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:11	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:11	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:11	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:11	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/30/25 14:11	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/30/25 14:11	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/30/25 14:11	1

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

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

Lab Sample ID: LCS 310-471149/2-A
Matrix: Water
Analysis Batch: 471983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.207		mg/L		103	80 - 120
Arsenic	0.200	0.197		mg/L		99	80 - 120
Barium	0.100	0.103		mg/L		103	80 - 120
Beryllium	0.100	0.100		mg/L		100	80 - 120
Boron	0.200	0.219		mg/L		110	80 - 120
Cadmium	0.100	0.0976		mg/L		98	80 - 120
Calcium	2.00	2.12		mg/L		106	80 - 120
Chromium	0.100	0.100		mg/L		100	80 - 120
Cobalt	0.100	0.102		mg/L		102	80 - 120
Lead	0.200	0.207		mg/L		103	80 - 120
Lithium	0.200	0.200		mg/L		100	80 - 120
Molybdenum	0.200	0.211		mg/L		105	80 - 120
Selenium	0.400	0.375		mg/L		94	80 - 120
Thallium	0.100	0.110		mg/L		110	80 - 120

Lab Sample ID: 310-318373-10 MS
Matrix: Ground Water
Analysis Batch: 471983

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 471149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0020		0.200	0.229		mg/L		114	75 - 125
Arsenic	<0.0020		0.200	0.221		mg/L		111	75 - 125
Barium	0.066		0.100	0.174		mg/L		108	75 - 125
Beryllium	<0.0010		0.100	0.107		mg/L		107	75 - 125
Boron	<0.10	F1	0.200	0.261	F1	mg/L		130	75 - 125
Cadmium	<0.00020		0.100	0.106		mg/L		106	75 - 125
Calcium	103		2.00	102.1	4	mg/L		-34	75 - 125
Chromium	<0.0050		0.100	0.113		mg/L		111	75 - 125
Cobalt	<0.00050		0.100	0.100		mg/L		100	75 - 125
Lead	<0.00050		0.200	0.210		mg/L		105	75 - 125
Lithium	<0.010		0.200	0.221		mg/L		108	75 - 125
Molybdenum	<0.0020		0.200	0.221		mg/L		111	75 - 125
Selenium	<0.0050		0.400	0.408		mg/L		102	75 - 125
Thallium	<0.0010		0.100	0.103		mg/L		103	75 - 125

Lab Sample ID: 310-318373-10 MSD
Matrix: Ground Water
Analysis Batch: 471983

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 471149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Antimony	<0.0020		0.200	0.226		mg/L		112	75 - 125	1	20
Arsenic	<0.0020		0.200	0.218		mg/L		109	75 - 125	1	20
Barium	0.066		0.100	0.175		mg/L		110	75 - 125	1	20
Beryllium	<0.0010		0.100	0.106		mg/L		106	75 - 125	1	20
Boron	<0.10	F1	0.200	0.255	F1	mg/L		127	75 - 125	2	20
Cadmium	<0.00020		0.100	0.104		mg/L		104	75 - 125	2	20
Calcium	103		2.00	101.4	4	mg/L		-70	75 - 125	1	20
Chromium	<0.0050		0.100	0.110		mg/L		108	75 - 125	2	20
Cobalt	<0.00050		0.100	0.0994		mg/L		99	75 - 125	1	20

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

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

Lab Sample ID: 310-318373-10 MSD

Matrix: Ground Water

Analysis Batch: 471983

Client Sample ID: U-5S CCR

Prep Type: Total/NA

Prep Batch: 471149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	<0.00050		0.200	0.204		mg/L		102	75 - 125	3	20
Lithium	<0.010		0.200	0.217		mg/L		106	75 - 125	2	20
Molybdenum	<0.0020		0.200	0.217		mg/L		108	75 - 125	2	20
Selenium	<0.0050		0.400	0.398		mg/L		99	75 - 125	2	20
Thallium	<0.0010		0.100	0.100		mg/L		100	75 - 125	3	20

Lab Sample ID: 310-318373-12 DU

Matrix: Ground Water

Analysis Batch: 471983

Client Sample ID: D-2S CCR

Prep Type: Total/NA

Prep Batch: 471149

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0020		<0.0020		mg/L		NC	20
Arsenic	<0.0020		<0.0020		mg/L		NC	20
Barium	0.047		0.0460		mg/L		2	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	<0.10		<0.10		mg/L		NC	20
Cadmium	<0.00020		<0.00020		mg/L		NC	20
Calcium	105		103.9		mg/L		1	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.00050		<0.00050		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	<0.010		<0.010		mg/L		NC	20
Molybdenum	<0.0020		<0.0020		mg/L		NC	20
Selenium	<0.0050		<0.0050		mg/L		NC	20
Thallium	<0.0010		<0.0010		mg/L		NC	20

Lab Sample ID: MB 310-471151/1-A

Matrix: Water

Analysis Batch: 471821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 471151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020	^1+	0.0020		mg/L		10/24/25 09:00	10/29/25 15:20	1
Arsenic	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 15:20	1
Barium	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 15:20	1
Beryllium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/29/25 15:20	1
Boron	<0.10	^+	0.10		mg/L		10/24/25 09:00	10/29/25 15:20	1
Cadmium	<0.00020		0.00020		mg/L		10/24/25 09:00	10/29/25 15:20	1
Calcium	<0.50		0.50		mg/L		10/24/25 09:00	10/29/25 15:20	1
Chromium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/29/25 15:20	1
Lead	<0.00050		0.00050		mg/L		10/24/25 09:00	10/29/25 15:20	1
Molybdenum	<0.0020		0.0020		mg/L		10/24/25 09:00	10/29/25 15:20	1
Selenium	<0.0050		0.0050		mg/L		10/24/25 09:00	10/29/25 15:20	1
Thallium	<0.0010		0.0010		mg/L		10/24/25 09:00	10/29/25 15:20	1

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

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

Lab Sample ID: MB 310-471151/1-A
Matrix: Water
Analysis Batch: 471990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 471151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.10		0.10		mg/L		10/24/25 09:00	10/30/25 14:08	1
Cobalt	<0.00050		0.00050		mg/L		10/24/25 09:00	10/30/25 14:08	1
Lithium	<0.010		0.010		mg/L		10/24/25 09:00	10/30/25 14:08	1

Lab Sample ID: MB 310-471151/1-A
Matrix: Water
Analysis Batch: 472103

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 471151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/24/25 09:00	10/31/25 14:23	1

Lab Sample ID: LCS 310-471151/2-A
Matrix: Water
Analysis Batch: 471821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.228	^1+	mg/L		114	80 - 120
Arsenic	0.200	0.192		mg/L		96	80 - 120
Barium	0.100	0.107		mg/L		107	80 - 120
Beryllium	0.100	0.0864		mg/L		86	80 - 120
Cadmium	0.100	0.105		mg/L		105	80 - 120
Calcium	2.00	1.85		mg/L		93	80 - 120
Chromium	0.100	0.0930		mg/L		93	80 - 120
Lead	0.200	0.206		mg/L		103	80 - 120
Molybdenum	0.200	0.229		mg/L		114	80 - 120
Selenium	0.400	0.426		mg/L		106	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Lab Sample ID: LCS 310-471151/2-A
Matrix: Water
Analysis Batch: 471990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.200	0.221		mg/L		111	80 - 120
Cobalt	0.100	0.105		mg/L		105	80 - 120
Lithium	0.200	0.196		mg/L		98	80 - 120

Lab Sample ID: LCS 310-471151/2-A
Matrix: Water
Analysis Batch: 472103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.218		mg/L		109	80 - 120

Lab Sample ID: 310-318373-15 MS
Matrix: Ground Water
Analysis Batch: 471821

Client Sample ID: D-4S CCR
Prep Type: Total/NA
Prep Batch: 471151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.0020		0.200	0.206		mg/L		103	75 - 125

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

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

Lab Sample ID: 310-318373-15 MS

Matrix: Ground Water

Analysis Batch: 471821

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Prep Batch: 471151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.084		0.100	0.196		mg/L		112	75 - 125
Boron	0.15	+	0.200	0.326		mg/L		86	75 - 125
Cadmium	<0.00020		0.100	0.107		mg/L		107	75 - 125
Calcium	104		2.00	109.5	4	mg/L		266	75 - 125
Chromium	<0.0050		0.100	0.0996		mg/L		100	75 - 125
Cobalt	<0.00050		0.100	0.0999		mg/L		100	75 - 125
Lead	<0.00050		0.200	0.208		mg/L		104	75 - 125
Molybdenum	<0.0020		0.200	0.226		mg/L		113	75 - 125
Selenium	<0.0050		0.400	0.436		mg/L		109	75 - 125
Thallium	<0.0010		0.100	0.101		mg/L		101	75 - 125

Lab Sample ID: 310-318373-15 MS

Matrix: Ground Water

Analysis Batch: 471990

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Prep Batch: 471151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	<0.0010		0.100	0.104		mg/L		104	75 - 125
Lithium	<0.010		0.200	0.195		mg/L		95	75 - 125

Lab Sample ID: 310-318373-15 MS

Matrix: Ground Water

Analysis Batch: 472103

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Prep Batch: 471151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		0.200	0.224		mg/L		112	75 - 125

Lab Sample ID: 310-318373-15 MSD

Matrix: Ground Water

Analysis Batch: 471821

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Prep Batch: 471151

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.0020		0.200	0.209		mg/L		105	75 - 125	1	20
Barium	0.084		0.100	0.196		mg/L		112	75 - 125	0	20
Boron	0.15	+	0.200	0.317		mg/L		81	75 - 125	3	20
Cadmium	<0.00020		0.100	0.109		mg/L		109	75 - 125	2	20
Calcium	104		2.00	107.1	4	mg/L		143	75 - 125	2	20
Chromium	<0.0050		0.100	0.101		mg/L		101	75 - 125	2	20
Cobalt	<0.00050		0.100	0.102		mg/L		102	75 - 125	2	20
Lead	<0.00050		0.200	0.211		mg/L		105	75 - 125	1	20
Molybdenum	<0.0020		0.200	0.232		mg/L		116	75 - 125	2	20
Selenium	<0.0050		0.400	0.444		mg/L		111	75 - 125	2	20
Thallium	<0.0010		0.100	0.102		mg/L		102	75 - 125	1	20

Lab Sample ID: 310-318373-15 MSD

Matrix: Ground Water

Analysis Batch: 471990

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Prep Batch: 471151

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.0010		0.100	0.104		mg/L		104	75 - 125	0	20
Lithium	<0.010		0.200	0.202		mg/L		99	75 - 125	4	20

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QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 310-318373-15 MSD

Matrix: Ground Water

Analysis Batch: 472103

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Prep Batch: 471151

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		0.200	0.231		mg/L		115	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-471414/1-A

Matrix: Water

Analysis Batch: 471599

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 471414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/27/25 14:15	10/28/25 09:13	1

Lab Sample ID: LCS 310-471414/2-A

Matrix: Water

Analysis Batch: 471599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 471414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00166		mg/L		100	80 - 120

Lab Sample ID: MB 310-471415/1-A

Matrix: Water

Analysis Batch: 471599

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 471415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/27/25 14:15	10/28/25 10:12	1

Lab Sample ID: LCS 310-471415/2-A

Matrix: Water

Analysis Batch: 471599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 471415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00168		mg/L		101	80 - 120

Lab Sample ID: MB 310-471732/1-A

Matrix: Water

Analysis Batch: 471929

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 471732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 08:22	1

Lab Sample ID: LCS 310-471732/2-A

Matrix: Water

Analysis Batch: 471929

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 471732

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00169		mg/L		101	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 310-471734/1-A
Matrix: Water
Analysis Batch: 471929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 471734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 09:22	1

Lab Sample ID: LCS 310-471734/2-A
Matrix: Water
Analysis Batch: 471929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00168		mg/L		101	80 - 120

Lab Sample ID: 310-318373-10 MS
Matrix: Ground Water
Analysis Batch: 471929

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 471734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00167	0.00172		mg/L		103	80 - 120

Lab Sample ID: 310-318373-10 MSD
Matrix: Ground Water
Analysis Batch: 471929

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 471734

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00167	0.00170		mg/L		102	80 - 120	1	20

Lab Sample ID: MB 310-471735/1-A
Matrix: Water
Analysis Batch: 471929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 471735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/29/25 13:30	10/30/25 10:26	1

Lab Sample ID: LCS 310-471735/2-A
Matrix: Water
Analysis Batch: 471929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00168		mg/L		101	80 - 120

Lab Sample ID: 310-318373-15 MS
Matrix: Ground Water
Analysis Batch: 471929

Client Sample ID: D-4S CCR
Prep Type: Total/NA
Prep Batch: 471735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00167	0.00171		mg/L		103	80 - 120

Lab Sample ID: 310-318373-15 MSD
Matrix: Ground Water
Analysis Batch: 471929

Client Sample ID: D-4S CCR
Prep Type: Total/NA
Prep Batch: 471735

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00167	0.00171		mg/L		103	80 - 120	0	20

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

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

Lab Sample ID: MB 310-470813/1
Matrix: Water
Analysis Batch: 470813

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	<50.0		50.0		mg/L			10/21/25 12:20	1

Lab Sample ID: LCS 310-470813/2
Matrix: Water
Analysis Batch: 470813

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	954.0		mg/L		95	89 - 110

Lab Sample ID: 310-318373-7 DU
Matrix: Ground Water
Analysis Batch: 470813

Client Sample ID: U-4D CCR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	416		394.0		mg/L		5	13

Lab Sample ID: MB 310-470865/1
Matrix: Water
Analysis Batch: 470865

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	<50.0		50.0		mg/L			10/21/25 15:33	1

Lab Sample ID: LCS 310-470865/2
Matrix: Water
Analysis Batch: 470865

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	940.0		mg/L		94	89 - 110

Lab Sample ID: MB 310-470978/1
Matrix: Water
Analysis Batch: 470978

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	<50.0		50.0		mg/L			10/22/25 13:07	1

Lab Sample ID: LCS 310-470978/2
Matrix: Water
Analysis Batch: 470978

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	936.0		mg/L		94	89 - 110

Lab Sample ID: 310-318373-15 DU
Matrix: Ground Water
Analysis Batch: 470978

Client Sample ID: D-4S CCR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	446		436.0		mg/L		2	13

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

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

Lab Sample ID: MB 310-470993/1
Matrix: Water
Analysis Batch: 470993

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	<50.0		50.0		mg/L			10/22/25 14:13	1

Lab Sample ID: LCS 310-470993/2
Matrix: Water
Analysis Batch: 470993

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	954.0		mg/L		95	89 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 310-470541/1
Matrix: Water
Analysis Batch: 470541

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		101	98 - 102

Lab Sample ID: 310-318373-2 DU
Matrix: Ground Water
Analysis Batch: 470541

Client Sample ID: D-2D CCR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.8	HF	7.8		SU		0.6	20

Lab Sample ID: 310-318373-4 DU
Matrix: Ground Water
Analysis Batch: 470541

Client Sample ID: D-4D CCR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.8	HF	7.8		SU		0	20

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-742076/1-A
Matrix: Water
Analysis Batch: 746128

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 742076

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.354	U	0.219	0.220	1.00	0.354	pCi/L	10/24/25 08:01	11/20/25 16:18	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	80.6		30 - 110					10/24/25 08:01	11/20/25 16:18	1

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-742076/2-A

Matrix: Water

Analysis Batch: 746128

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 742076

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	10.28		1.38	1.00	0.468	pCi/L	107	75 - 125		
	LCS	LCS											
Carrier	%Yield	Qualifier	Limits										
Barium	77.5		30 - 110										

Lab Sample ID: 310-318373-15 MS

Matrix: Ground Water

Analysis Batch: 746128

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Prep Batch: 742076

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	<0.379	U	9.51	11.20		1.54	1.00	0.407	pCi/L	115	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Barium	59.8		30 - 110										

Lab Sample ID: 310-318373-15 MSD

Matrix: Ground Water

Analysis Batch: 746128

Client Sample ID: D-4S CCR

Prep Type: Total/NA

Prep Batch: 742076

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	<0.379	U	9.53	10.19		1.44	1.00	0.421	pCi/L	104	60 - 140	0.34	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Barium	59.8		30 - 110										

Lab Sample ID: MB 160-742079/1-A

Matrix: Water

Analysis Batch: 746136

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 742079

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.395	U	0.203	0.203	1.00	0.395	pCi/L	10/24/25 08:12	11/20/25 16:33	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Barium	88.3		30 - 110					10/24/25 08:12	11/20/25 16:33	1

Lab Sample ID: LCS 160-742079/2-A

Matrix: Water

Analysis Batch: 746136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 742079

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	9.614		1.29	1.00	0.341	pCi/L	100	75 - 125		

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-742079/2-A
Matrix: Water
Analysis Batch: 746136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742079

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Barium	82.9		30 - 110

Lab Sample ID: 310-318373-10 MS
Matrix: Ground Water
Analysis Batch: 746136

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 742079

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	<0.337	U	9.50	9.094		1.19	1.00	0.269	pCi/L	93	60 - 140

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Barium	87.7		30 - 110

Lab Sample ID: 310-318373-10 MSD
Matrix: Ground Water
Analysis Batch: 746136

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 742079

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	<0.337	U	9.56	9.813		1.30	1.00	0.326	pCi/L	100	60 - 140	0.29	1

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Barium	76.4		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-742077/1-A
Matrix: Water
Analysis Batch: 746170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 742077

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.640	U	0.405	0.407	1.00	0.640	pCi/L	10/24/25 08:08	11/20/25 10:02	1

	MB	MB								
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Barium	80.6		30 - 110	10/24/25 08:08	11/20/25 10:02	1				
Y Carrier	83.0		30 - 110	10/24/25 08:08	11/20/25 10:02	1				

Lab Sample ID: LCS 160-742077/2-A
Matrix: Water
Analysis Batch: 746170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742077

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.92	7.024		1.12	1.00	0.673	pCi/L	89	75 - 125

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-742077/2-A
Matrix: Water
Analysis Batch: 746170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742077

LCS LCS			
Carrier	%Yield	Qualifier	Limits
Barium	77.5		30 - 110
Y Carrier	84.5		30 - 110

Lab Sample ID: 310-318373-15 MS
Matrix: Ground Water
Analysis Batch: 746170

Client Sample ID: D-4S CCR
Prep Type: Total/NA
Prep Batch: 742077

Total											
Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	<0.628	U	7.86	9.043		1.42	1.00	0.747	pCi/L	109	60 - 140

MS MS			
Carrier	%Yield	Qualifier	Limits
Barium	59.8		30 - 110
Y Carrier	83.4		30 - 110

Lab Sample ID: 310-318373-15 MSD
Matrix: Ground Water
Analysis Batch: 746170

Client Sample ID: D-4S CCR
Prep Type: Total/NA
Prep Batch: 742077

Total													
Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	<0.628	U	7.88	7.463		1.29	1.00	0.797	pCi/L	89	60 - 140	0.58	1

MSD MSD			
Carrier	%Yield	Qualifier	Limits
Barium	59.8		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-742081/1-A
Matrix: Water
Analysis Batch: 746166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 742081

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-228	<0.696	U	0.413	0.414	1.00	0.696	pCi/L	10/24/25 08:16	11/20/25 09:55	1

MB MB						
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Barium	88.3		30 - 110	10/24/25 08:16	11/20/25 09:55	1
Y Carrier	81.1		30 - 110	10/24/25 08:16	11/20/25 09:55	1

Lab Sample ID: LCS 160-742081/2-A
Matrix: Water
Analysis Batch: 746166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742081

Total											
Analyte	Spike Added	LCS Result	LCS Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	7.92	9.950		1.43	1.00	0.698	pCi/L	126	75 - 125		

Eurofins Cedar Falls

QC Sample Results

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-742081/2-A
Matrix: Water
Analysis Batch: 746166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742081

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Barium	82.9		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: 310-318373-10 MS
Matrix: Ground Water
Analysis Batch: 746128

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 742081

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	0.821		7.85	8.518		1.23	1.00	0.590	pCi/L	98	60 - 140

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Barium	87.7		30 - 110
Y Carrier	78.9		30 - 110

Lab Sample ID: 310-318373-10 MSD
Matrix: Ground Water
Analysis Batch: 746128

Client Sample ID: U-5S CCR
Prep Type: Total/NA
Prep Batch: 742081

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	0.821		7.90	9.108		1.36	1.00	0.663	pCi/L	105	60 - 140	0.23	1

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Barium	76.4		30 - 110
Y Carrier	78.1		30 - 110

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

HPLC/IC

Analysis Batch: 472395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	9056A	
310-318373-2	D-2D CCR	Total/NA	Ground Water	9056A	
310-318373-3	D-3D CCR	Total/NA	Ground Water	9056A	
310-318373-4	D-4D CCR	Total/NA	Ground Water	9056A	
310-318373-5	D-5D CCR	Total/NA	Ground Water	9056A	
310-318373-6	D-9 CCR	Total/NA	Ground Water	9056A	
310-318373-7	U-4D CCR	Total/NA	Ground Water	9056A	
310-318373-8	U-4S CCR	Total/NA	Ground Water	9056A	
310-318373-9	U-5D CCR	Total/NA	Ground Water	9056A	
310-318373-10	U-5S CCR	Total/NA	Ground Water	9056A	
310-318373-11	D-1S CCR	Total/NA	Ground Water	9056A	
310-318373-12	D-2S CCR	Total/NA	Ground Water	9056A	
310-318373-13	D-3S CCR	Total/NA	Ground Water	9056A	
310-318373-13	D-3S CCR	Total/NA	Ground Water	9056A	
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	9056A	
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	9056A	
310-318373-19	Equipment Blank CCR	Total/NA	Water	9056A	
310-318373-20	Field Blank 1 CCR	Total/NA	Water	9056A	
MB 310-472395/3	Method Blank	Total/NA	Water	9056A	
LCS 310-472395/4	Lab Control Sample	Total/NA	Water	9056A	
310-318373-10 MS	U-5S CCR	Total/NA	Ground Water	9056A	
310-318373-10 MSD	U-5S CCR	Total/NA	Ground Water	9056A	

Analysis Batch: 472400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-15	D-4S CCR	Total/NA	Ground Water	9056A	
310-318373-16	D-8 CCR	Total/NA	Ground Water	9056A	
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	9056A	
MB 310-472400/3	Method Blank	Total/NA	Water	9056A	
LCS 310-472400/4	Lab Control Sample	Total/NA	Water	9056A	
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	9056A	
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	9056A	

Metals

Prep Batch: 471148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	3005A	
MB 310-471148/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-471148/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 471149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-2	D-2D CCR	Total/NA	Ground Water	3005A	
310-318373-3	D-3D CCR	Total/NA	Ground Water	3005A	
310-318373-4	D-4D CCR	Total/NA	Ground Water	3005A	
310-318373-5	D-5D CCR	Total/NA	Ground Water	3005A	
310-318373-6	D-9 CCR	Total/NA	Ground Water	3005A	
310-318373-7	U-4D CCR	Total/NA	Ground Water	3005A	
310-318373-8	U-4S CCR	Total/NA	Ground Water	3005A	
310-318373-9	U-5D CCR	Total/NA	Ground Water	3005A	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Metals (Continued)

Prep Batch: 471149 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-10	U-5S CCR	Total/NA	Ground Water	3005A	
310-318373-11	D-1S CCR	Total/NA	Ground Water	3005A	
310-318373-12	D-2S CCR	Total/NA	Ground Water	3005A	
310-318373-13	D-3S CCR	Total/NA	Ground Water	3005A	
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	3005A	
310-318373-16	D-8 CCR	Total/NA	Ground Water	3005A	
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	3005A	
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	3005A	
310-318373-19	Equipment Blank CCR	Total/NA	Water	3005A	
MB 310-471149/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-471149/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-318373-10 MS	U-5S CCR	Total/NA	Ground Water	3005A	
310-318373-10 MSD	U-5S CCR	Total/NA	Ground Water	3005A	
310-318373-12 DU	D-2S CCR	Total/NA	Ground Water	3005A	

Prep Batch: 471151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-15	D-4S CCR	Total/NA	Ground Water	3005A	
310-318373-20	Field Blank 1 CCR	Total/NA	Water	3005A	
MB 310-471151/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-471151/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	3005A	
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	3005A	

Prep Batch: 471414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	7470A	
MB 310-471414/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-471414/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 471415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-2	D-2D CCR	Total/NA	Ground Water	7470A	
310-318373-3	D-3D CCR	Total/NA	Ground Water	7470A	
MB 310-471415/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-471415/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 471599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	7470A	471414
310-318373-2	D-2D CCR	Total/NA	Ground Water	7470A	471415
310-318373-3	D-3D CCR	Total/NA	Ground Water	7470A	471415
MB 310-471414/1-A	Method Blank	Total/NA	Water	7470A	471414
MB 310-471415/1-A	Method Blank	Total/NA	Water	7470A	471415
LCS 310-471414/2-A	Lab Control Sample	Total/NA	Water	7470A	471414
LCS 310-471415/2-A	Lab Control Sample	Total/NA	Water	7470A	471415

Prep Batch: 471732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-4	D-4D CCR	Total/NA	Ground Water	7470A	
310-318373-5	D-5D CCR	Total/NA	Ground Water	7470A	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Metals (Continued)

Prep Batch: 471732 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-6	D-9 CCR	Total/NA	Ground Water	7470A	
310-318373-7	U-4D CCR	Total/NA	Ground Water	7470A	
310-318373-8	U-4S CCR	Total/NA	Ground Water	7470A	
310-318373-9	U-5D CCR	Total/NA	Ground Water	7470A	
MB 310-471732/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-471732/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 471734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-10	U-5S CCR	Total/NA	Ground Water	7470A	
310-318373-11	D-1S CCR	Total/NA	Ground Water	7470A	
310-318373-12	D-2S CCR	Total/NA	Ground Water	7470A	
310-318373-13	D-3S CCR	Total/NA	Ground Water	7470A	
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	7470A	
310-318373-16	D-8 CCR	Total/NA	Ground Water	7470A	
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	7470A	
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	7470A	
310-318373-19	Equipment Blank CCR	Total/NA	Water	7470A	
310-318373-20	Field Blank 1 CCR	Total/NA	Water	7470A	
MB 310-471734/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-471734/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-318373-10 MS	U-5S CCR	Total/NA	Ground Water	7470A	
310-318373-10 MSD	U-5S CCR	Total/NA	Ground Water	7470A	

Prep Batch: 471735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-15	D-4S CCR	Total/NA	Ground Water	7470A	
MB 310-471735/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-471735/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	7470A	
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	7470A	

Analysis Batch: 471821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	6020B	471148
310-318373-15	D-4S CCR	Total/NA	Ground Water	6020B	471151
310-318373-20	Field Blank 1 CCR	Total/NA	Water	6020B	471151
MB 310-471148/1-A	Method Blank	Total/NA	Water	6020B	471148
MB 310-471151/1-A	Method Blank	Total/NA	Water	6020B	471151
LCS 310-471148/2-A	Lab Control Sample	Total/NA	Water	6020B	471148
LCS 310-471151/2-A	Lab Control Sample	Total/NA	Water	6020B	471151
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	6020B	471151
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	6020B	471151

Analysis Batch: 471929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-4	D-4D CCR	Total/NA	Ground Water	7470A	471732
310-318373-5	D-5D CCR	Total/NA	Ground Water	7470A	471732
310-318373-6	D-9 CCR	Total/NA	Ground Water	7470A	471732
310-318373-7	U-4D CCR	Total/NA	Ground Water	7470A	471732
310-318373-8	U-4S CCR	Total/NA	Ground Water	7470A	471732

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Metals (Continued)

Analysis Batch: 471929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-9	U-5D CCR	Total/NA	Ground Water	7470A	471732
310-318373-10	U-5S CCR	Total/NA	Ground Water	7470A	471734
310-318373-11	D-1S CCR	Total/NA	Ground Water	7470A	471734
310-318373-12	D-2S CCR	Total/NA	Ground Water	7470A	471734
310-318373-13	D-3S CCR	Total/NA	Ground Water	7470A	471734
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	7470A	471734
310-318373-15	D-4S CCR	Total/NA	Ground Water	7470A	471735
310-318373-16	D-8 CCR	Total/NA	Ground Water	7470A	471734
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	7470A	471734
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	7470A	471734
310-318373-19	Equipment Blank CCR	Total/NA	Water	7470A	471734
310-318373-20	Field Blank 1 CCR	Total/NA	Water	7470A	471734
MB 310-471732/1-A	Method Blank	Total/NA	Water	7470A	471732
MB 310-471734/1-A	Method Blank	Total/NA	Water	7470A	471734
MB 310-471735/1-A	Method Blank	Total/NA	Water	7470A	471735
LCS 310-471732/2-A	Lab Control Sample	Total/NA	Water	7470A	471732
LCS 310-471734/2-A	Lab Control Sample	Total/NA	Water	7470A	471734
LCS 310-471735/2-A	Lab Control Sample	Total/NA	Water	7470A	471735
310-318373-10 MS	U-5S CCR	Total/NA	Ground Water	7470A	471734
310-318373-10 MSD	U-5S CCR	Total/NA	Ground Water	7470A	471734
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	7470A	471735
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	7470A	471735

Analysis Batch: 471983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-2	D-2D CCR	Total/NA	Ground Water	6020B	471149
310-318373-3	D-3D CCR	Total/NA	Ground Water	6020B	471149
310-318373-4	D-4D CCR	Total/NA	Ground Water	6020B	471149
310-318373-5	D-5D CCR	Total/NA	Ground Water	6020B	471149
310-318373-6	D-9 CCR	Total/NA	Ground Water	6020B	471149
310-318373-7	U-4D CCR	Total/NA	Ground Water	6020B	471149
310-318373-8	U-4S CCR	Total/NA	Ground Water	6020B	471149
310-318373-9	U-5D CCR	Total/NA	Ground Water	6020B	471149
310-318373-10	U-5S CCR	Total/NA	Ground Water	6020B	471149
310-318373-11	D-1S CCR	Total/NA	Ground Water	6020B	471149
310-318373-12	D-2S CCR	Total/NA	Ground Water	6020B	471149
310-318373-13	D-3S CCR	Total/NA	Ground Water	6020B	471149
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	6020B	471149
310-318373-16	D-8 CCR	Total/NA	Ground Water	6020B	471149
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	6020B	471149
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	6020B	471149
310-318373-19	Equipment Blank CCR	Total/NA	Water	6020B	471149
MB 310-471149/1-A	Method Blank	Total/NA	Water	6020B	471149
LCS 310-471149/2-A	Lab Control Sample	Total/NA	Water	6020B	471149
310-318373-10 MS	U-5S CCR	Total/NA	Ground Water	6020B	471149
310-318373-10 MSD	U-5S CCR	Total/NA	Ground Water	6020B	471149
310-318373-12 DU	D-2S CCR	Total/NA	Ground Water	6020B	471149

Analysis Batch: 471990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	6020B	471148

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Metals (Continued)

Analysis Batch: 471990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-15	D-4S CCR	Total/NA	Ground Water	6020B	471151
310-318373-20	Field Blank 1 CCR	Total/NA	Water	6020B	471151
MB 310-471148/1-A	Method Blank	Total/NA	Water	6020B	471148
MB 310-471151/1-A	Method Blank	Total/NA	Water	6020B	471151
LCS 310-471148/2-A	Lab Control Sample	Total/NA	Water	6020B	471148
LCS 310-471151/2-A	Lab Control Sample	Total/NA	Water	6020B	471151
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	6020B	471151
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	6020B	471151

Analysis Batch: 472103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	6020B	471148
310-318373-15	D-4S CCR	Total/NA	Ground Water	6020B	471151
310-318373-20	Field Blank 1 CCR	Total/NA	Water	6020B	471151
MB 310-471148/1-A	Method Blank	Total/NA	Water	6020B	471148
MB 310-471151/1-A	Method Blank	Total/NA	Water	6020B	471151
LCS 310-471148/2-A	Lab Control Sample	Total/NA	Water	6020B	471148
LCS 310-471151/2-A	Lab Control Sample	Total/NA	Water	6020B	471151
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	6020B	471151
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	6020B	471151

General Chemistry

Analysis Batch: 470541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-2	D-2D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-3	D-3D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-4	D-4D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-5	D-5D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-6	D-9 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-7	U-4D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-8	U-4S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-9	U-5D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-10	U-5S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-11	D-1S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-12	D-2S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-13	D-3S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-15	D-4S CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-16	D-8 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-19	Equipment Blank CCR	Total/NA	Water	SM 4500 H+ B	
310-318373-20	Field Blank 1 CCR	Total/NA	Water	SM 4500 H+ B	
LCS 310-470541/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
310-318373-2 DU	D-2D CCR	Total/NA	Ground Water	SM 4500 H+ B	
310-318373-4 DU	D-4D CCR	Total/NA	Ground Water	SM 4500 H+ B	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

General Chemistry

Analysis Batch: 470813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-7	U-4D CCR	Total/NA	Ground Water	SM 2540C	
310-318373-8	U-4S CCR	Total/NA	Ground Water	SM 2540C	
310-318373-9	U-5D CCR	Total/NA	Ground Water	SM 2540C	
310-318373-10	U-5S CCR	Total/NA	Ground Water	SM 2540C	
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	SM 2540C	
MB 310-470813/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-470813/2	Lab Control Sample	Total/NA	Water	SM 2540C	
310-318373-7 DU	U-4D CCR	Total/NA	Ground Water	SM 2540C	

Analysis Batch: 470865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	SM 2540C	
310-318373-2	D-2D CCR	Total/NA	Ground Water	SM 2540C	
310-318373-3	D-3D CCR	Total/NA	Ground Water	SM 2540C	
MB 310-470865/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-470865/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 470978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-4	D-4D CCR	Total/NA	Ground Water	SM 2540C	
310-318373-6	D-9 CCR	Total/NA	Ground Water	SM 2540C	
310-318373-15	D-4S CCR	Total/NA	Ground Water	SM 2540C	
310-318373-16	D-8 CCR	Total/NA	Ground Water	SM 2540C	
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	SM 2540C	
310-318373-19	Equipment Blank CCR	Total/NA	Water	SM 2540C	
310-318373-20	Field Blank 1 CCR	Total/NA	Water	SM 2540C	
MB 310-470978/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-470978/2	Lab Control Sample	Total/NA	Water	SM 2540C	
310-318373-15 DU	D-4S CCR	Total/NA	Ground Water	SM 2540C	

Analysis Batch: 470993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-5	D-5D CCR	Total/NA	Ground Water	SM 2540C	
310-318373-11	D-1S CCR	Total/NA	Ground Water	SM 2540C	
310-318373-12	D-2S CCR	Total/NA	Ground Water	SM 2540C	
310-318373-13	D-3S CCR	Total/NA	Ground Water	SM 2540C	
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	SM 2540C	
MB 310-470993/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-470993/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Rad

Prep Batch: 742076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-15	D-4S CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-16	D-8 CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-19	Equipment Blank CCR	Total/NA	Water	PrecSep-21	
310-318373-20	Field Blank 1 CCR	Total/NA	Water	PrecSep-21	
MB 160-742076/1-A	Method Blank	Total/NA	Water	PrecSep-21	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Rad (Continued)

Prep Batch: 742076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-742076/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	PrecSep-21	

Prep Batch: 742077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-15	D-4S CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-16	D-8 CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-17	DUP-1 CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-18	DUP-2 CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-19	Equipment Blank CCR	Total/NA	Water	PrecSep_0	
310-318373-20	Field Blank 1 CCR	Total/NA	Water	PrecSep_0	
MB 160-742077/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-742077/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
310-318373-15 MS	D-4S CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-15 MSD	D-4S CCR	Total/NA	Ground Water	PrecSep_0	

Prep Batch: 742079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-2	D-2D CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-3	D-3D CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-4	D-4D CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-5	D-5D CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-6	D-9 CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-7	U-4D CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-8	U-4S CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-9	U-5D CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-10	U-5S CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-11	D-1S CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-12	D-2S CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-13	D-3S CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	PrecSep-21	
MB 160-742079/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-742079/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
310-318373-10 MS	U-5S CCR	Total/NA	Ground Water	PrecSep-21	
310-318373-10 MSD	U-5S CCR	Total/NA	Ground Water	PrecSep-21	

Prep Batch: 742081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-1	D-1D CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-2	D-2D CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-3	D-3D CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-4	D-4D CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-5	D-5D CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-6	D-9 CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-7	U-4D CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-8	U-4S CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-9	U-5D CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-10	U-5S CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-11	D-1S CCR	Total/NA	Ground Water	PrecSep_0	

Eurofins Cedar Falls

QC Association Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Rad (Continued)

Prep Batch: 742081 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-318373-12	D-2S CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-13	D-3S CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-14	D-5S2 CCR	Total/NA	Ground Water	PrecSep_0	
MB 160-742081/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-742081/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
310-318373-10 MS	U-5S CCR	Total/NA	Ground Water	PrecSep_0	
310-318373-10 MSD	U-5S CCR	Total/NA	Ground Water	PrecSep_0	

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-1D CCR

Date Collected: 10/16/25 12:10

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 10:43
Total/NA	Prep	3005A			471148	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471990	NFT2	EET CF	10/30/25 15:53
Total/NA	Prep	3005A			471148	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471821	NFT2	EET CF	10/29/25 14:49
Total/NA	Prep	3005A			471148	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	472103	NFT2	EET CF	10/31/25 13:57
Total/NA	Prep	7470A			471414	RLT9	EET CF	10/27/25 14:15
Total/NA	Analysis	7470A		1	471599	RLT9	EET CF	10/28/25 10:10
Total/NA	Analysis	SM 2540C		1	470865	TGN5	EET CF	10/21/25 15:33
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:23
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746170	SWS	EET SL	11/20/25 16:20
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746166	SWS	EET SL	11/20/25 09:55
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:32

Client Sample ID: D-2D CCR

Date Collected: 10/16/25 14:00

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 10:59
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:17
Total/NA	Prep	7470A			471415	RLT9	EET CF	10/27/25 14:15
Total/NA	Analysis	7470A		1	471599	RLT9	EET CF	10/28/25 11:08
Total/NA	Analysis	SM 2540C		1	470865	TGN5	EET CF	10/21/25 15:33
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 10:52
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746170	SWS	EET SL	11/20/25 16:20
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746166	SWS	EET SL	11/20/25 09:55
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:32

Client Sample ID: D-3D CCR

Date Collected: 10/16/25 10:55

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 11:14
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:20

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-3D CCR

Date Collected: 10/16/25 10:55

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			471415	RLT9	EET CF	10/27/25 14:15
Total/NA	Analysis	7470A		1	471599	RLT9	EET CF	10/28/25 11:10
Total/NA	Analysis	SM 2540C		1	470865	TGN5	EET CF	10/21/25 15:33
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:14
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746170	SWS	EET SL	11/20/25 16:21
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746166	SWS	EET SL	11/20/25 09:55
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:32

Client Sample ID: D-4D CCR

Date Collected: 10/17/25 09:10

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 11:30
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:22
Total/NA	Prep	7470A			471732	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:01
Total/NA	Analysis	SM 2540C		1	470978	TGN5	EET CF	10/22/25 13:07
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:48
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746170	SWS	EET SL	11/20/25 16:22
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746166	SWS	EET SL	11/20/25 09:55
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:32

Client Sample ID: D-5D CCR

Date Collected: 10/16/25 09:25

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 12:17
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:25
Total/NA	Prep	7470A			471732	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:03
Total/NA	Analysis	SM 2540C		1	470993	TGN5	EET CF	10/22/25 14:13
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 12:33
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746170	SWS	EET SL	11/20/25 16:22
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746166	SWS	EET SL	11/20/25 09:55

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-5D CCR

Date Collected: 10/16/25 09:25

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:32

Client Sample ID: D-9 CCR

Date Collected: 10/17/25 12:20

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 12:32
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:28
Total/NA	Prep	7470A			471732	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:09
Total/NA	Analysis	SM 2540C		1	470978	TGN5	EET CF	10/22/25 13:07
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:10
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:30
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746166	SWS	EET SL	11/20/25 09:55
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:32

Client Sample ID: U-4D CCR

Date Collected: 10/15/25 12:00

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 12:48
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:31
Total/NA	Prep	7470A			471732	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:11
Total/NA	Analysis	SM 2540C		1	470813	TGN5	EET CF	10/21/25 12:20
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:28
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:30
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746128	SWS	EET SL	11/20/25 09:56
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: U-4S CCR

Date Collected: 10/15/25 11:10

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 13:03

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-4S CCR

Date Collected: 10/15/25 11:10

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:34
Total/NA	Prep	7470A			471732	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:14
Total/NA	Analysis	SM 2540C		1	470813	TGN5	EET CF	10/21/25 12:20
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:05
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:30
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746128	SWS	EET SL	11/20/25 09:56
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: U-5D CCR

Date Collected: 10/15/25 15:10

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-9

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 13:19
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:37
Total/NA	Prep	7470A			471732	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:16
Total/NA	Analysis	SM 2540C		1	470813	TGN5	EET CF	10/21/25 12:20
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 12:09
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:30
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746128	SWS	EET SL	11/20/25 09:56
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: U-5S CCR

Date Collected: 10/15/25 14:20

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-10

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 13:35
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:46
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:26
Total/NA	Analysis	SM 2540C		1	470813	TGN5	EET CF	10/21/25 12:20
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 12:01
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:30

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: U-5S CCR

Date Collected: 10/15/25 14:20

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-10

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746128	SWS	EET SL	11/20/25 09:56
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: D-1S CCR

Date Collected: 10/16/25 11:45

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-11

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 14:21
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 14:57
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:37
Total/NA	Analysis	SM 2540C		1	470993	TGN5	EET CF	10/22/25 14:13
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:01
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:30
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746128	SWS	EET SL	11/20/25 09:57
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: D-2S CCR

Date Collected: 10/16/25 13:45

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-12

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 14:37
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 15:00
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:39
Total/NA	Analysis	SM 2540C		1	470993	TGN5	EET CF	10/22/25 14:13
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:19
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:31
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746128	SWS	EET SL	11/20/25 09:57
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-3S CCR

Date Collected: 10/16/25 10:20

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-13

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 15:24
Total/NA	Analysis	9056A		10	472395	ZRI4	EET CF	11/03/25 16:57
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 15:06
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:41
Total/NA	Analysis	SM 2540C		1	470993	TGN5	EET CF	10/22/25 14:13
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:43
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:31
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746128	SWS	EET SL	11/20/25 09:57
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: D-5S2 CCR

Date Collected: 10/16/25 09:10

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-14

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 15:39
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 15:08
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:43
Total/NA	Analysis	SM 2540C		1	470993	TGN5	EET CF	10/22/25 14:13
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 12:13
Total/NA	Prep	PrecSep-21			742079	JTR	EET SL	10/24/25 08:12
Total/NA	Analysis	9315		1	746136	SWS	EET SL	11/20/25 21:31
Total/NA	Prep	PrecSep_0			742081	JTR	EET SL	10/24/25 08:16
Total/NA	Analysis	9320		1	746136	SWS	EET SL	11/20/25 10:05
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: D-4S CCR

Date Collected: 10/17/25 08:55

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-15

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472400	ZRI4	EET CF	11/03/25 17:44
Total/NA	Prep	3005A			471151	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471990	NFT2	EET CF	10/30/25 14:29
Total/NA	Prep	3005A			471151	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471821	NFT2	EET CF	10/29/25 15:49
Total/NA	Prep	3005A			471151	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	472103	NFT2	EET CF	10/31/25 14:51

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: D-4S CCR

Date Collected: 10/17/25 08:55

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-15

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			471735	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 10:30
Total/NA	Analysis	SM 2540C		1	470978	TGN5	EET CF	10/22/25 13:07
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:57
Total/NA	Prep	PrecSep-21			742076	JTR	EET SL	10/24/25 08:01
Total/NA	Analysis	9315		1	746128	SWS	EET SL	11/20/25 16:18
Total/NA	Prep	PrecSep_0			742077	JTR	EET SL	10/24/25 08:08
Total/NA	Analysis	9320		1	746170	SWS	EET SL	11/20/25 10:02
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: D-8 CCR

Date Collected: 10/17/25 11:25

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-16

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472400	ZRI4	EET CF	11/03/25 19:02
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 15:11
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:46
Total/NA	Analysis	SM 2540C		1	470978	TGN5	EET CF	10/22/25 13:07
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 12:18
Total/NA	Prep	PrecSep-21			742076	JTR	EET SL	10/24/25 08:01
Total/NA	Analysis	9315		1	746128	SWS	EET SL	11/20/25 16:20
Total/NA	Prep	PrecSep_0			742077	JTR	EET SL	10/24/25 08:08
Total/NA	Analysis	9320		1	746170	SWS	EET SL	11/20/25 10:03
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: DUP-1 CCR

Date Collected: 10/15/25 00:00

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-17

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472395	ZRI4	EET CF	11/03/25 15:55
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 15:20
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:48
Total/NA	Analysis	SM 2540C		1	470813	TGN5	EET CF	10/21/25 12:20
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 11:32
Total/NA	Prep	PrecSep-21			742076	JTR	EET SL	10/24/25 08:01
Total/NA	Analysis	9315		1	746128	SWS	EET SL	11/20/25 16:21
Total/NA	Prep	PrecSep_0			742077	JTR	EET SL	10/24/25 08:08
Total/NA	Analysis	9320		1	746170	SWS	EET SL	11/20/25 10:03

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: DUP-1 CCR

Date Collected: 10/15/25 00:00

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-17

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: DUP-2 CCR

Date Collected: 10/17/25 00:00

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-18

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	472400	ZRI4	EET CF	11/03/25 19:18
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 15:23
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:50
Total/NA	Analysis	SM 2540C		1	470978	TGN5	EET CF	10/22/25 13:07
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 12:22
Total/NA	Prep	PrecSep-21			742076	JTR	EET SL	10/24/25 08:01
Total/NA	Analysis	9315		1	746128	SWS	EET SL	11/20/25 16:21
Total/NA	Prep	PrecSep_0			742077	JTR	EET SL	10/24/25 08:08
Total/NA	Analysis	9320		1	746170	SWS	EET SL	11/20/25 10:03
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: Equipment Blank CCR

Date Collected: 10/17/25 12:45

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	472395	ZRI4	EET CF	11/03/25 16:11
Total/NA	Prep	3005A			471149	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471983	NFT2	EET CF	10/30/25 15:26
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:52
Total/NA	Analysis	SM 2540C		1	470978	TGN5	EET CF	10/22/25 13:07
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 12:05
Total/NA	Prep	PrecSep-21			742076	JTR	EET SL	10/24/25 08:01
Total/NA	Analysis	9315		1	746128	SWS	EET SL	11/20/25 16:21
Total/NA	Prep	PrecSep_0			742077	JTR	EET SL	10/24/25 08:08
Total/NA	Analysis	9320		1	746170	SWS	EET SL	11/20/25 10:03
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Client Sample ID: Field Blank 1 CCR

Date Collected: 10/17/25 12:46

Date Received: 10/18/25 08:40

Lab Sample ID: 310-318373-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		1	472395	ZRI4	EET CF	11/03/25 16:26

Eurofins Cedar Falls

Lab Chronicle

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Client Sample ID: Field Blank 1 CCR

Lab Sample ID: 310-318373-20

Date Collected: 10/17/25 12:46

Matrix: Water

Date Received: 10/18/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			471151	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471990	NFT2	EET CF	10/30/25 14:42
Total/NA	Prep	3005A			471151	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	471821	NFT2	EET CF	10/29/25 16:00
Total/NA	Prep	3005A			471151	RLT9	EET CF	10/24/25 09:00
Total/NA	Analysis	6020B		1	472103	NFT2	EET CF	10/31/25 15:00
Total/NA	Prep	7470A			471734	RLT9	EET CF	10/29/25 13:30
Total/NA	Analysis	7470A		1	471929	RLT9	EET CF	10/30/25 09:54
Total/NA	Analysis	SM 2540C		1	470978	TGN5	EET CF	10/22/25 13:07
Total/NA	Analysis	SM 4500 H+ B		1	470541	WZC8	EET CF	10/18/25 12:38
Total/NA	Prep	PrecSep-21			742076	JTR	EET SL	10/24/25 08:01
Total/NA	Analysis	9315		1	746128	SWS	EET SL	11/20/25 16:21
Total/NA	Prep	PrecSep_0			742077	JTR	EET SL	10/24/25 08:08
Total/NA	Analysis	9320		1	746170	SWS	EET SL	11/20/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	746164	EMH	EET SL	11/21/25 13:41

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Laboratory: Eurofins Cedar Falls

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

Authority	Program	Identification Number	Expiration Date
Minnesota	NELAP	019-999-319	12-31-25

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25 *
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-25 *
Oklahoma	NELAP	9997	12-31-25
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Cedar Falls

Method Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 4500 H+ B	pH	SM	EET CF
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
3005A	Preparation, Total Metals	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

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.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



Environment Testing
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310-318373 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>GES</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID.
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>1</u> of <u>12</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C). <u>0.3</u>		Corrected Temp (°C): <u>0.3</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE. If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Environment Testing
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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>GES</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project.
Receipt Information			
Date/Time Received	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By: <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>2</u> of <u>12</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes. Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.4</u>		Corrected Temp (°C): <u>0.4</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C)			
Corrected Temp (°C).			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>GES</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By: <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID.
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>3</u> of <u>12</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.6</u>		Corrected Temp (°C): <u>0.6</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>GES</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project
Receipt Information			
Date/Time Received:	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By. <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes Cooler ID.			
Multiple Coolers? ☒ Yes ☐ No If yes. Cooler # <u>4</u> of <u>12</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes Cooler custody seals intact? ☒ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☐ Yes ☒ No If yes Which VOA samples are in cooler? ↓			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.6</u>		Corrected Temp (°C): <u>0.6</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>GES</u>			
City/State:	CITY <u>Egan</u>	STATE <u>mn</u>	Project.
Receipt Information			
Date/Time Received.	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other. _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID.
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>5</u> of <u>12</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>-0.3</u>		Corrected Temp (°C): <u>-0.3</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☒ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client. <u>GES</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project:
Receipt Information			
Date/Time Received	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>6</u> of <u>12</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID. <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature -- If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C). <u>0.2</u>		Corrected Temp (°C): <u>0.2</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C)			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>GFS</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project.
Receipt Information			
Date/Time Received.	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By. <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes Cooler ID: _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>7</u> of <u>12</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☒ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☐ Yes ☒ No If yes. Which VOA samples are in cooler? ↓			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.9</u>		Corrected Temp (°C): <u>0.9</u>	
• Sample Container Temperature			
Container(s) used	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>GES</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>8</u> of <u>12</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.4</u>		Corrected Temp (°C): <u>0.4</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>GES</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By. <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes Cooler ID _____			
Multiple Coolers? ☒ Yes ☐ No If yes: Cooler # <u>9</u> of <u>12</u>			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☒ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☐ Yes ☒ No If yes. Which VOA samples are in cooler? ↓ _____			
Temperature Record			
Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID. <u>CC</u>		Correction Factor (°C). <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.5</u>		Corrected Temp (°C): <u>0.5</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE. If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client <u>GFS</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project
Receipt Information			
Date/Time Received.	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID: _____
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>10</u> of <u>12</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.6</u>		Corrected Temp (°C): <u>0.6</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1		CONTAINER 2
Uncorrected Temp (°C)			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>GES</u>			
City/State:	CITY <u>Eagan</u>	STATE <u>MN</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>10.18.25</u>	TIME <u>840</u>	Received By <u>PH</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID.
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # <u>11</u> of <u>12</u>
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CC</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C) <u>0.8</u>		Corrected Temp (°C): <u>0.8</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



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Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: GES			
City/State:	CITY Eagan	STATE MN	Project.
Receipt Information			
Date/Time Received.	DATE 10.18.25	TIME 840	Received By PH
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		☒ Yes ☐ No	If yes: Cooler ID.
Multiple Coolers?		☒ Yes ☐ No	If yes: Cooler # 12 of 12
Cooler Custody Seals Present?		☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?		☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?		☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: CC		Correction Factor (°C): 0	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C) 0.4		Corrected Temp (°C): 0.4	
• Sample Container Temperature			
Container(s) used.	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No			
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			

3019 Venture Way-
Cedar Falls IA 50613
Phone (319) 277-2401 F

Phone (319) 277-2401 Phone (319) 277-2425

Client Information					
Company: Groundwater & Environmental Services Inc.					
Address: 1301 Corporate Center Drive Suite 190					
City: Eagan					
State, Zip: MN, 55121-1562					
Phone:					
Email: nicholas.schlager@gesonline.com					
Project Name: SKB Rosemount - CCR Monitoring (SPRING)					
Site: Minnesota					
Due Date Requested: TAT Requested (days): Standard TAT					
Compliance Project: Δ Yes Δ No					
Purchase Order not required					
PO #:					
WFO #:					
Project #:					
SSOW#:					
Sample Identification					
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (w-water, s-solid, o-waste/oil, bt-tissue, av-air)	Preservation Code:
D-1D CCR	10/16/25	12:10	G	Water	
D-2D CCR	10/16/25	14:00	G	Water	
D-3D CCR	10/16/25	10:55	G	Water	
D-4D CCR	10/17/25	9:10	G	Water	
D-5D CCR	10/16/25	9:25	G	Water	
D-9 CCR	10/18/25	12:20	G	Water	
U-4D CCR	10/15/25	12:00	G	Water	
U-4S CCR	10/15/25	11:10	G	Water	
U-5D CCR	10/15/25	15:10	G	Water	
U-5S CCR	10/15/25	14:20	G	Water	
D-1S CCR	10/16/25	11:45	G	Water	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested I II III IV Other (specify)					
Empty Kit Relinquished by					
Relinquished by					
Relinquished by					
Relinquished by					
Custody Seal Intact: A Yes A No					
Custody Seal No					

Client Information		Lab PM: Bindert, Zach T		Carrier Tracking No(s):		COC No: 310-68363-19638.2	
Client Contact: Nicholas Schlager		E-Mail: Zach Bindert@Eurofinet.com		State of Origin: MN		Page: Page 2 of 2	
Company: Groundwater & Environmental Services Inc		PWSID: AT		Job #:		3502287/40/870	
Address: 1301 Corporate Center Drive Suite 190		Due Date Requested:		Analysis Requested		Preservation Codes	
City: Eagan		TAT Requested (days): Standard TAT				A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Ice V - MCAA W - pH 4.5 Z - other (specify)	
State Zip: MN 55121-1562		Compliance Project: Δ Yes Δ No					
Phone: PO #:		Purchase Order not required					
Email: WO #:							
Project Name: nnschlager@gesonline.com							
Project #: 31013948							
SSOW#: 31013948							
Site: Minnesota							
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
D-2S CCR		10/16/25		13:45		6	
D-3S CCR		10/16/25		10:20		6	
D-5S2 CCR		10/16/25		9:10		6	
D-4S CCR		10/17/25		8:55		6	
D-8 CCR		10/17/25		11:25		6	
D-7 CCR		10/15/25		-		6	
DUP-1 CCR		10/17/25		-		6	
DUP-2 CCR		10/17/25		17:45		6	
Equipment Blank CCR		10/17/25		17:40		6	
Field Blank 1 CCR							
Possible Hazard Identification		Non-Hazard		Flammable		Skin Irritant	
Deliverable Requested I II III IV Other (specify)		Poison B		Unknown		Radiological	
Empty Kit Relinquished by		Date		Time		Method of Shipment	
Relinquished by: Medley, Zachary		10/17/25		10:17		10/17/25 13:38	
Relinquished by: NCH		10/17/25		10:17		10-19-25 8:40	
Relinquished by:							
Custody Seals Intact: A Yes A No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:			

Login Sample Receipt Checklist

Client: Waste Connections, Inc.

Job Number: 310-318373-1

Login Number: 318373

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Bindert, Zach T

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Cedar Falls

Tracer/Carrier Summary

Client: Waste Connections, Inc.
Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Job ID: 310-318373-1

Method: 9315 - Radium-226 (GFPC)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba (30-110)					
310-318373-1	D-1D CCR	78.9					
310-318373-2	D-2D CCR	75.2					
310-318373-3	D-3D CCR	88.9					
310-318373-4	D-4D CCR	74.4					
310-318373-5	D-5D CCR	68.4					
310-318373-6	D-9 CCR	84.0					
310-318373-7	U-4D CCR	85.8					
310-318373-8	U-4S CCR	88.9					
310-318373-9	U-5D CCR	75.8					
310-318373-10	U-5S CCR	76.6					
310-318373-10 MS	U-5S CCR	87.7					
310-318373-10 MSD	U-5S CCR	76.4					
310-318373-11	D-1S CCR	88.6					
310-318373-12	D-2S CCR	74.9					
310-318373-13	D-3S CCR	83.2					
310-318373-14	D-5S2 CCR	84.0					
310-318373-15	D-4S CCR	78.9					
310-318373-15 MS	D-4S CCR	59.8					
310-318373-15 MSD	D-4S CCR	59.8					
310-318373-16	D-8 CCR	72.1					
310-318373-17	DUP-1 CCR	60.1					
310-318373-18	DUP-2 CCR	66.1					
Tracer/Carrier Legend							
Ba = Barium							

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba (30-110)					
310-318373-19	Equipment Blank CCR	84.6					
310-318373-20	Field Blank 1 CCR	79.8					
LCS 160-742076/2-A	Lab Control Sample	77.5					
LCS 160-742079/2-A	Lab Control Sample	82.9					
MB 160-742076/1-A	Method Blank	80.6					
MB 160-742079/1-A	Method Blank	88.3					
Tracer/Carrier Legend							
Ba = Barium							

Method: 9320 - Radium-228 (GFPC)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)				
310-318373-1	D-1D CCR	78.9	75.5				
310-318373-2	D-2D CCR	75.2	79.6				
310-318373-3	D-3D CCR	88.9	82.2				

Eurofins Cedar Falls

Tracer/Carrier Summary

Client: Waste Connections, Inc.

Job ID: 310-318373-1

Project/Site: SKB Rosemount - CCR Monitoring (Fall)

Method: 9320 - Radium-228 (GFPC) (Continued)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
310-318373-4	D-4D CCR	74.4	80.4
310-318373-5	D-5D CCR	68.4	80.0
310-318373-6	D-9 CCR	84.0	77.0
310-318373-7	U-4D CCR	85.8	81.5
310-318373-8	U-4S CCR	88.9	79.6
310-318373-9	U-5D CCR	75.8	77.8
310-318373-10	U-5S CCR	76.6	75.5
310-318373-10 MS	U-5S CCR	87.7	78.9
310-318373-10 MSD	U-5S CCR	76.4	78.1
310-318373-11	D-1S CCR	88.6	80.4
310-318373-12	D-2S CCR	74.9	80.4
310-318373-13	D-3S CCR	83.2	81.5
310-318373-14	D-5S2 CCR	84.0	86.0
310-318373-15	D-4S CCR	78.9	82.2
310-318373-15 MS	D-4S CCR	59.8	83.4
310-318373-15 MSD	D-4S CCR	59.8	81.9
310-318373-16	D-8 CCR	72.1	80.0
310-318373-17	DUP-1 CCR	60.1	81.5
310-318373-18	DUP-2 CCR	66.1	78.9

Tracer/Carrier Legend

Ba = Barium

Y = Y Carrier

Method: 9320 - 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)
310-318373-19	Equipment Blank CCR	84.6	77.8
310-318373-20	Field Blank 1 CCR	79.8	74.0
LCS 160-742077/2-A	Lab Control Sample	77.5	84.5
LCS 160-742081/2-A	Lab Control Sample	82.9	80.4
MB 160-742077/1-A	Method Blank	80.6	83.0
MB 160-742081/1-A	Method Blank	88.3	81.1

Tracer/Carrier Legend

Ba = Barium

Y = Y Carrier



Appendix C – Statistical Evaluation Data

	A	B	C	D	E	F	G	H	I	J	K	L
1				Background Statistics for Data Sets with Non-Detects								
2	User Selected Options											
3	Date/Time of Computation			ProUCL 5.2 12/10/2025 3:10:39 PM								
4	From File			rosemount stas input file_nd outliars 2025.xls								
5	Full Precision			OFF								
6	Confidence Coefficient			95%								
7	Coverage			95%								
8	Different or Future K Observations			1								
9	Number of Bootstrap Operations			2000								
10												
11	Antimony											
12												
13	General Statistics											
14	Total Number of Observations			282	Number of Missing Observations						0	
15	Number of Distinct Observations			2								
16	Number of Detects			0	Number of Non-Detects						282	
17	Number of Distinct Detects			0	Number of Distinct Non-Detects						2	
18	Minimum Detect			N/A	Minimum Non-Detect						0.001	
19	Maximum Detect			N/A	Maximum Non-Detect						0.002	
20	Variance Detected			N/A	Percent Non-Detects						100%	
21	Mean Detected			N/A	SD Detected						N/A	
22	Mean of Detected Logged Data			N/A	SD of Detected Logged Data						N/A	
23												
24	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
25	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
26	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
27												
28	The data set for variable Antimony was not processed!											
29												
30												
31	Arsenic											
32												
33	General Statistics											
34	Total Number of Observations			300	Number of Missing Observations						0	
35	Number of Distinct Observations			3								
36	Number of Detects			1	Number of Non-Detects						299	
37	Number of Distinct Detects			1	Number of Distinct Non-Detects						2	
38	Minimum Detect			0.0014	Minimum Non-Detect						0.001	
39	Maximum Detect			0.0014	Maximum Non-Detect						0.002	
40	Variance Detected			N/A	Percent Non-Detects						99.67%	
41	Mean Detected			0.0014	SD Detected						N/A	
42	Mean of Detected Logged Data			-6.571	SD of Detected Logged Data						N/A	
43												
44	Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!											
45	It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).											
46												
47	The data set for variable Arsenic was not processed!											
48												
49												
50	Barium											
51												
52	General Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
53	Total Number of Observations					303	Number of Missing Observations					0
54	Number of Distinct Observations					54						
55	Number of Detects					300	Number of Non-Detects					3
56	Number of Distinct Detects					53	Number of Distinct Non-Detects					1
57	Minimum Detect					0.032	Minimum Non-Detect					0.002
58	Maximum Detect					0.089	Maximum Non-Detect					0.002
59	Variance Detected					1.3028E-4	Percent Non-Detects					0.99%
60	Mean Detected					0.0574	SD Detected					0.0114
61	Mean of Detected Logged Data					-2.877	SD of Detected Logged Data					0.196
62												
63	Critical Values for Background Threshold Values (BTVs)											
64	Tolerance Factor K (For UTL)					1.798	d2max (for USL)					3.555
65												
66	Nonparametric Distribution Free Background Statistics											
67	Data do not follow a Discernible Distribution											
68												
69	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
70	Order of Statistic, r					294	95% UTL with95% Coverage					0.083
71	Approx, f used to compute achieved CC					1.547	Approximate Actual Confidence Coefficient achieved by UTL					0.94
72	Approximate Sample Size needed to achieve specified CC					285	95% UPL					0.079
73	95% USL					0.089	95% KM Chebyshev UPL					0.112
74												
75	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
76	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
77	and consists of observations collected from clean unimpacted locations.											
78	The use of USL tends to provide a balance between false positives and false negatives provided the data											
79	represents a background data set and when many onsite observations need to be compared with the BTV.											
80												
81	Beryllium											
82												
83	General Statistics											
84	Total Number of Observations					281	Number of Missing Observations					0
85	Number of Distinct Observations					2						
86	Number of Detects					0	Number of Non-Detects					281
87	Number of Distinct Detects					0	Number of Distinct Non-Detects					2
88	Minimum Detect					N/A	Minimum Non-Detect					7.0000E-4
89	Maximum Detect					N/A	Maximum Non-Detect					0.001
90	Variance Detected					N/A	Percent Non-Detects					100%
91	Mean Detected					N/A	SD Detected					N/A
92	Mean of Detected Logged Data					N/A	SD of Detected Logged Data					N/A
93												
94	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
95	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
96	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
97												
98	The data set for variable Beryllium was not processed!											
99												
100												
101	Boron											
102												
103	General Statistics											
104	Total Number of Observations					272	Number of Missing Observations					99

	A	B	C	D	E	F	G	H	I	J	K	L
105	Number of Distinct Observations					15						
106	Number of Detects					38	Number of Non-Detects					234
107	Number of Distinct Detects					15	Number of Distinct Non-Detects					2
108	Minimum Detect					0.02	Minimum Non-Detect					0.02
109	Maximum Detect					0.33	Maximum Non-Detect					0.1
110	Variance Detected					0.00932	Percent Non-Detects					86.03%
111	Mean Detected					0.113	SD Detected					0.0965
112	Mean of Detected Logged Data					-2.638	SD of Detected Logged Data					1.051
113												
114	Critical Values for Background Threshold Values (BTVs)											
115	Tolerance Factor K (For UTL)				1.807	d2max (for USL)					3.524	
116												
117	Nonparametric Distribution Free Background Statistics											
118	Data do not follow a Discernible Distribution											
119												
120	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
121	Order of Statistic, r				264	95% UTL with95% Coverage					0.2	
122	Approx, f used to compute achieved CC				1.544	Approximate Actual Confidence Coefficient achieved by UTL					0.93	
123	Approximate Sample Size needed to achieve specified CC				260	95% UPL					0.13	
124	95% USL				0.33	95% KM Chebyshev UPL					0.245	
125												
126	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
127	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
128	and consists of observations collected from clean unimpacted locations.											
129	The use of USL tends to provide a balance between false positives and false negatives provided the data											
130	represents a background data set and when many onsite observations need to be compared with the BTV.											
131												
132	Cadmium											
133												
134	General Statistics											
135	Total Number of Observations				300	Number of Missing Observations					0	
136	Number of Distinct Observations				4							
137	Number of Detects				0	Number of Non-Detects					300	
138	Number of Distinct Detects				0	Number of Distinct Non-Detects					4	
139	Minimum Detect				N/A	Minimum Non-Detect					1.0000E-4	
140	Maximum Detect				N/A	Maximum Non-Detect					0.002	
141	Variance Detected				N/A	Percent Non-Detects					100%	
142	Mean Detected				N/A	SD Detected					N/A	
143	Mean of Detected Logged Data				N/A	SD of Detected Logged Data					N/A	
144												
145	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
146	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
147	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
148												
149	The data set for variable Cadmium was not processed!											
150												
151												
152	Chromium											
153												
154	General Statistics											
155	Total Number of Observations				261	Number of Missing Observations					0	
156	Number of Distinct Observations				36							

	A	B	C	D	E	F	G	H	I	J	K	L
157	Number of Detects					46	Number of Non-Detects					215
158	Number of Distinct Detects					34	Number of Distinct Non-Detects					2
159	Minimum Detect					0.0044	Minimum Non-Detect					0.004
160	Maximum Detect					0.052	Maximum Non-Detect					0.005
161	Variance Detected					2.1722E-4	Percent Non-Detects					82.38%
162	Mean Detected					0.0165	SD Detected					0.0147
163	Mean of Detected Logged Data					-4.457	SD of Detected Logged Data					0.826
164												
165	Critical Values for Background Threshold Values (BTVs)											
166	Tolerance Factor K (For UTL)					1.81	d2max (for USL)					3.512
167												
168												
169	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
170	Order of Statistic, r					253	95% UTL with95% Coverage					0.037
171	Approx, f used to compute achieved CC					1.48	Approximate Actual Confidence Coefficient achieved by UTL					0.908
172	Approximate Sample Size needed to achieve specified CC					260	95% UPL					0.0237
173	95% USL					0.052	95% KM Chebyshev UPL					0.0401
174												
175	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
176	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
177	and consists of observations collected from clean unimpacted locations.											
178	The use of USL tends to provide a balance between false positives and false negatives provided the data											
179	represents a background data set and when many onsite observations need to be compared with the BTV.											
180												
181	Calcium											
182												
183	General Statistics											
184	Total Number of Observations					384	Number of Distinct Observations					159
185							Number of Missing Observations					3
186	Minimum					65.1	First Quartile					91.3
187	Second Largest					132	Median					98.4
188	Maximum					141	Third Quartile					105
189	Mean					99.25	SD					11.6
190	Coefficient of Variation					0.117	Skewness					0.422
191	Mean of logged Data					4.591	SD of logged Data					0.116
192												
193	Critical Values for Background Threshold Values (BTVs)											
194	Tolerance Factor K (For UTL)					1.78	d2max (for USL)					3.622
195												
196												
197	Lognormal GOF Test											
198	Shapiro Wilk Test Statistic					0.98	Shapiro Wilk Lognormal GOF Test					
199	10% Shapiro Wilk P Value					0.141	Data appear Lognormal at 10% Significance Level					
200	Lilliefors Test Statistic					0.0649	Lilliefors Lognormal GOF Test					
201	10% Lilliefors Critical Value					0.0417	Data Not Lognormal at 10% Significance Level					
202	Data appear Approximate Lognormal at 10% Significance Level											
203												
204	Background Statistics assuming Lognormal Distribution											
205	95% UTL with 95% Coverage					121.3	90% Percentile (z)					114.4
206	95% UPL (t)					119.5	95% Percentile (z)					119.4
207	95% USL					150.3	99% Percentile (z)					129.2
208												

	A	B	C	D	E	F	G	H	I	J	K	L
209												
210	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
211	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
212	and consists of observations collected from clean unimpacted locations.											
213	The use of USL tends to provide a balance between false positives and false negatives provided the data											
214	represents a background data set and when many onsite observations need to be compared with the BTV.											
215												
216	Chloride											
217												
218	General Statistics											
219	Total Number of Observations				455	Number of Missing Observations				9		
220	Number of Distinct Observations				252							
221	Number of Detects				431	Number of Non-Detects				24		
222	Number of Distinct Detects				252	Number of Distinct Non-Detects				12		
223	Minimum Detect				18.4	Minimum Non-Detect				19		
224	Maximum Detect				90	Maximum Non-Detect				64		
225	Variance Detected				176.1	Percent Non-Detects				5.275%		
226	Mean Detected				43.13	SD Detected				13.27		
227	Mean of Detected Logged Data				3.721	SD of Detected Logged Data				0.292		
228												
229	Critical Values for Background Threshold Values (BTVs)											
230	Tolerance Factor K (For UTL)				1.768	d2max (for USL)				3.669		
231												
232	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
233	Order of Statistic, r				440	95% UTL with95% Coverage				75.6		
234	Approx, f used to compute achieved CC				1.447	Approximate Actual Confidence Coefficient achieved by UTL				0.947		
235	Approximate Sample Size needed to achieve specified CC				434	95% UPL				71.08		
236	95% USL				90	95% KM Chebyshev UPL				100.5		
237												
238	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
239	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
240	and consists of observations collected from clean unimpacted locations.											
241	The use of USL tends to provide a balance between false positives and false negatives provided the data											
242	represents a background data set and when many onsite observations need to be compared with the BTV.											
243												
244	Cobalt											
245												
246	General Statistics											
247	Total Number of Observations				306	Number of Missing Observations				0		
248	Number of Distinct Observations				27							
249	Number of Detects				44	Number of Non-Detects				262		
250	Number of Distinct Detects				26	Number of Distinct Non-Detects				2		
251	Minimum Detect				3.0000E-4	Minimum Non-Detect				3.0000E-4		
252	Maximum Detect				9.1000E-4	Maximum Non-Detect				5.0000E-4		
253	Variance Detected				3.1597E-8	Percent Non-Detects				85.62%		
254	Mean Detected				4.6932E-4	SD Detected				1.7776E-4		
255	Mean of Detected Logged Data				-7.726	SD of Detected Logged Data				0.347		
256												
257	Critical Values for Background Threshold Values (BTVs)											
258	Tolerance Factor K (For UTL)				1.797	d2max (for USL)				3.558		
259												
260	Nonparametric Distribution Free Background Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
261	Data do not follow a Discernible Distribution											
262												
263	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
264	Order of Statistic, r				297	95% UTL with95% Coverage						6.3000E-4
265	Approx, f used to compute achieved CC				1.563	Approximate Actual Confidence Coefficient achieved by UTL						0.944
266	Approximate Sample Size needed to achieve specified CC				285	95% UPL						5.3000E-4
267	95% USL				9.1000E-4	95% KM Chebyshev UPL						7.1992E-4
268												
269	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
270	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
271	and consists of observations collected from clean unimpacted locations.											
272	The use of USL tends to provide a balance between false positives and false negatives provided the data											
273	represents a background data set and when many onsite observations need to be compared with the BTV.											
274												
275	Fluoride											
276												
277	General Statistics											
278	Total Number of Observations				348	Number of Missing Observations						0
279	Number of Distinct Observations				23							
280	Number of Detects				95	Number of Non-Detects						253
281	Number of Distinct Detects				19	Number of Distinct Non-Detects						6
282	Minimum Detect				0.05	Minimum Non-Detect						0.05
283	Maximum Detect				0.17	Maximum Non-Detect						1
284	Variance Detected				6.7595E-4	Percent Non-Detects						72.7%
285	Mean Detected				0.089	SD Detected						0.026
286	Mean of Detected Logged Data				-2.461	SD of Detected Logged Data						0.292
287												
288	Critical Values for Background Threshold Values (BTVs)											
289	Tolerance Factor K (For UTL)				1.787	d2max (for USL)						3.595
290												
291	Normal GOF Test on Detects Only											
292	Shapiro Wilk Test Statistic				0.94	Normal GOF Test on Detected Observations Only						
293	1% Shapiro Wilk P Value				3.5804E-4	Data Not Normal at 1% Significance Level						
294	Lilliefors Test Statistic				0.0987	Lilliefors GOF Test						
295	1% Lilliefors Critical Value				0.105	Detected Data appear Normal at 1% Significance Level						
296	Detected Data appear Approximate Normal at 1% Significance Level											
297												
298	Kaplan Meier (KM) Background Statistics Assuming Normal Distribution											
299	KM Mean				0.08	KM SD						0.0232
300	95% UTL95% Coverage				0.121	95% KM UPL (t)						0.118
301	90% KM Percentile (z)				0.11	95% KM Percentile (z)						0.118
302	99% KM Percentile (z)				0.134	95% KM USL						0.163
303												
304												
305	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
306	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
307	and consists of observations collected from clean unimpacted locations.											
308	The use of USL tends to provide a balance between false positives and false negatives provided the data											
309	represents a background data set and when many onsite observations need to be compared with the BTV.											
310												
311	Lead											
312												

	A	B	C	D	E	F	G	H	I	J	K	L
313	General Statistics											
314	Total Number of Observations					295	Number of Missing Observations					0
315	Number of Distinct Observations					14						
316	Number of Detects					14	Number of Non-Detects					281
317	Number of Distinct Detects					12	Number of Distinct Non-Detects					3
318	Minimum Detect					5.0000E-4	Minimum Non-Detect					5.0000E-4
319	Maximum Detect					0.005	Maximum Non-Detect					0.01
320	Variance Detected					1.4310E-6	Percent Non-Detects					95.25%
321	Mean Detected					0.00137	SD Detected					0.0012
322	Mean of Detected Logged Data					-6.834	SD of Detected Logged Data					0.677
323												
324	Critical Values for Background Threshold Values (BTVs)											
325	Tolerance Factor K (For UTL)					1.8	d2max (for USL)					3.548
326												
327	Normal GOF Test on Detects Only											
328	Shapiro Wilk Test Statistic					0.711	Shapiro Wilk GOF Test					
329	1% Shapiro Wilk Critical Value					0.825	Data Not Normal at 1% Significance Level					
330	Lilliefors Test Statistic					0.239	Lilliefors GOF Test					
331	1% Lilliefors Critical Value					0.263	Detected Data appear Normal at 1% Significance Level					
332	Detected Data appear Approximate Normal at 1% Significance Level											
333												
334	Kaplan Meier (KM) Background Statistics Assuming Normal Distribution											
335	KM Mean					6.0055E-4	KM SD					4.7976E-4
336	95% UTL95% Coverage					0.00146	95% KM UPL (t)					0.00139
337	90% KM Percentile (z)					0.00122	95% KM Percentile (z)					0.00139
338	99% KM Percentile (z)					0.00172	95% KM USL					0.0023
339												
340												
341	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
342	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
343	and consists of observations collected from clean unimpacted locations.											
344	The use of USL tends to provide a balance between false positives and false negatives provided the data											
345	represents a background data set and when many onsite observations need to be compared with the BTV.											
346												
347	Lithium											
348												
349	General Statistics											
350	Total Number of Observations					281	Number of Missing Observations					0
351	Number of Distinct Observations					2						
352	Number of Detects					0	Number of Non-Detects					281
353	Number of Distinct Detects					0	Number of Distinct Non-Detects					2
354	Minimum Detect					N/A	Minimum Non-Detect					0.01
355	Maximum Detect					N/A	Maximum Non-Detect					0.03
356	Variance Detected					N/A	Percent Non-Detects					100%
357	Mean Detected					N/A	SD Detected					N/A
358	Mean of Detected Logged Data					N/A	SD of Detected Logged Data					N/A
359												
360	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
361	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
362	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
363												
364	The data set for variable Lithium was not processed!											

	A	B	C	D	E	F	G	H	I	J	K	L
365												
366												
367	Mercury											
368												
369	General Statistics											
370	Total Number of Observations					294	Number of Missing Observations					0
371	Number of Distinct Observations					3						
372	Number of Detects					1	Number of Non-Detects					293
373	Number of Distinct Detects					1	Number of Distinct Non-Detects					2
374	Minimum Detect					2.1000E-4	Minimum Non-Detect					2.0000E-4
375	Maximum Detect					2.1000E-4	Maximum Non-Detect					0.002
376	Variance Detected					N/A	Percent Non-Detects					99.66%
377	Mean Detected					2.1000E-4	SD Detected					N/A
378	Mean of Detected Logged Data					-8.468	SD of Detected Logged Data					N/A
379												
380	Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!											
381	It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).											
382												
383	The data set for variable Mercury was not processed!											
384												
385												
386	MOLYBDENUM											
387												
388	General Statistics											
389	Total Number of Observations					279	Number of Missing Observations					0
390	Number of Distinct Observations					4						
391	Number of Detects					3	Number of Non-Detects					276
392	Number of Distinct Detects					2	Number of Distinct Non-Detects					2
393	Minimum Detect					0.0021	Minimum Non-Detect					0.001
394	Maximum Detect					0.0026	Maximum Non-Detect					0.002
395	Variance Detected					8.3333E-8	Percent Non-Detects					98.92%
396	Mean Detected					0.00243	SD Detected					2.8868E-4
397	Mean of Detected Logged Data					-6.023	SD of Detected Logged Data					0.123
398												
399	Warning: Data set has only 3 Detected Values.											
400	This is not enough to compute meaningful or reliable statistics and estimates.											
401												
402												
403	Critical Values for Background Threshold Values (BTVs)											
404	Tolerance Factor K (For UTL)					1.805	d2max (for USL)					3.531
405												
406	Normal GOF Test on Detects Only											
407	Shapiro Wilk Test Statistic					0.75	Shapiro Wilk GOF Test					
408	1% Shapiro Wilk Critical Value					0.753	Data Not Normal at 1% Significance Level					
409	Lilliefors Test Statistic					0.385	Lilliefors GOF Test					
410	1% Lilliefors Critical Value					0.429	Detected Data appear Normal at 1% Significance Level					
411	Detected Data appear Approximate Normal at 1% Significance Level											
412												
413	Kaplan Meier (KM) Background Statistics Assuming Normal Distribution											
414	KM Mean					0.00102	KM SD					1.4984E-4
415	95% UTL95% Coverage					0.00129	95% KM UPL (t)					0.00126
416	90% KM Percentile (z)					0.00121	95% KM Percentile (z)					0.00126

	A	B	C	D	E	F	G	H	I	J	K	L
417	99% KM Percentile (z)					0.00136	95% KM USL					0.00154
418												
419												
420	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
421	Order of Statistic, r				271	95% UTL with95% Coverage					0.002	
422	Approx, f used to compute achieved CC				1.585	Approximate Actual Confidence Coefficient achieved by UTL					0.941	
423	Approximate Sample Size needed to achieve specified CC				260	95% UPL					0.002	
424	95% USL				0.0026	95% KM Chebyshev UPL					0.00167	
425												
426	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
427	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
428	and consists of observations collected from clean unimpacted locations.											
429	The use of USL tends to provide a balance between false positives and false negatives provided the data											
430	represents a background data set and when many onsite observations need to be compared with the BTV.											
431												
432	Radium (226)											
433												
434	General Statistics											
435	Total Number of Observations				255	Number of Missing Observations					1	
436	Number of Distinct Observations				163							
437	Number of Detects				75	Number of Non-Detects					180	
438	Number of Distinct Detects				61	Number of Distinct Non-Detects					125	
439	Minimum Detect				0.0634	Minimum Non-Detect					0.0616	
440	Maximum Detect				0.324	Maximum Non-Detect					0.429	
441	Variance Detected				0.00348	Percent Non-Detects					70.59%	
442	Mean Detected				0.146	SD Detected					0.059	
443	Mean of Detected Logged Data				-1.998	SD of Detected Logged Data					0.376	
444												
445	Critical Values for Background Threshold Values (BTVs)											
446	Tolerance Factor K (For UTL)				1.813	d2max (for USL)					3.505	
447												
448	Lognormal GOF Test on Detected Observations Only											
449	Shapiro Wilk Approximate Test Statistic				0.961	Shapiro Wilk GOF Test						
450	10% Shapiro Wilk P Value				0.0657	Data Not Lognormal at 10% Significance Level						
451	Lilliefors Test Statistic				0.0891	Lilliefors GOF Test						
452	10% Lilliefors Critical Value				0.0936	Detected Data appear Lognormal at 10% Significance Level						
453	Detected Data appear Approximate Lognormal at 10% Significance Level											
454												
455	Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects											
456	Mean in Original Scale				0.0916	Mean in Log Scale					-2.493	
457	SD in Original Scale				0.0491	SD in Log Scale					0.423	
458	95% UTL95% Coverage				0.178	95% BCA UTL95% Coverage					0.226	
459	95% Bootstrap (%) UTL95% Coverage				0.226	95% UPL (t)					0.166	
460	90% Percentile (z)				0.142	95% Percentile (z)					0.166	
461	99% Percentile (z)				0.221	95% USL					0.364	
462												
463	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
464	KM Mean of Logged Data				-2.406	95% KM UTL (Lognormal)95% Coverage					0.189	
465	KM SD of Logged Data				0.407	95% KM UPL (Lognormal)					0.177	
466	95% KM Percentile Lognormal (z)				0.176	95% KM USL (Lognormal)					0.376	
467												
468												

	A	B	C	D	E	F	G	H	I	J	K	L
469	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
470	Order of Statistic, r					248	95% UTL with95% Coverage					0.372
471	Approx, f used to compute achieved CC					1.632	Approximate Actual Confidence Coefficient achieved by UTL					0.943
472	Approximate Sample Size needed to achieve specified CC					234	95% UPL					0.343
473	95% USL					0.429	95% KM Chebyshev UPL					0.319
474												
475	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
476	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
477	and consists of observations collected from clean unimpacted locations.											
478	The use of USL tends to provide a balance between false positives and false negatives provided the data											
479	represents a background data set and when many onsite observations need to be compared with the BTV.											
480												
481	Radium 228											
482												
483	General Statistics											
484	Total Number of Observations					271	Number of Missing Observations					0
485	Number of Distinct Observations					204						
486	Number of Detects					67	Number of Non-Detects					204
487	Number of Distinct Detects					62	Number of Distinct Non-Detects					155
488	Minimum Detect					0.283	Minimum Non-Detect					0.0572
489	Maximum Detect					1.33	Maximum Non-Detect					1.04
490	Variance Detected					0.0665	Percent Non-Detects					75.28%
491	Mean Detected					0.708	SD Detected					0.258
492	Mean of Detected Logged Data					-0.41	SD of Detected Logged Data					0.363
493												
494	Critical Values for Background Threshold Values (BTVs)											
495	Tolerance Factor K (For UTL)					1.807	d2max (for USL)					3.523
496												
497	Normal GOF Test on Detects Only											
498	Shapiro Wilk Test Statistic					0.934	Normal GOF Test on Detected Observations Only					
499	1% Shapiro Wilk P Value					0.00191	Data Not Normal at 1% Significance Level					
500	Lilliefors Test Statistic					0.115	Lilliefors GOF Test					
501	1% Lilliefors Critical Value					0.125	Detected Data appear Normal at 1% Significance Level					
502	Detected Data appear Approximate Normal at 1% Significance Level											
503												
504	Kaplan Meier (KM) Background Statistics Assuming Normal Distribution											
505	KM Mean					0.289	KM SD					0.307
506	95% UTL95% Coverage					0.843	95% KM UPL (t)					0.796
507	90% KM Percentile (z)					0.682	95% KM Percentile (z)					0.793
508	99% KM Percentile (z)					1.003	95% KM USL					1.37
509												
510												
511	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
512	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
513	and consists of observations collected from clean unimpacted locations.											
514	The use of USL tends to provide a balance between false positives and false negatives provided the data											
515	represents a background data set and when many onsite observations need to be compared with the BTV.											
516												
517	Selenium											
518												
519	General Statistics											
520	Total Number of Observations					282	Number of Missing Observations					0

	A	B	C	D	E	F	G	H	I	J	K	L
521	Number of Distinct Observations					9						
522	Number of Detects					22	Number of Non-Detects					260
523	Number of Distinct Detects					8	Number of Distinct Non-Detects					2
524	Minimum Detect					0.001	Minimum Non-Detect					0.001
525	Maximum Detect					0.0021	Maximum Non-Detect					0.005
526	Variance Detected					9.2749E-8	Percent Non-Detects					92.2%
527	Mean Detected					0.00127	SD Detected					3.0455E-4
528	Mean of Detected Logged Data					-6.694	SD of Detected Logged Data					0.214
529												
530	Critical Values for Background Threshold Values (BTVs)											
531	Tolerance Factor K (For UTL)				1.804	d2max (for USL)					3.535	
532												
533												
534	Nonparametric Distribution Free Background Statistics											
535	Data do not follow a Discernible Distribution											
536												
537	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
538	Order of Statistic, r				274	95% UTL with95% Coverage					0.005	
539	Approx, f used to compute achieved CC				1.602	Approximate Actual Confidence Coefficient achieved by UTL					0.945	
540	Approximate Sample Size needed to achieve specified CC				260	95% UPL					0.005	
541	95% USL				0.005	95% KM Chebyshev UPL					0.00164	
542												
543	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
544	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
545	and consists of observations collected from clean unimpacted locations.											
546	The use of USL tends to provide a balance between false positives and false negatives provided the data											
547	represents a background data set and when many onsite observations need to be compared with the BTV.											
548												
549	Sulfate as SO4											
550												
551	General Statistics											
552	Total Number of Observations				486	Number of Missing Observations					0	
553	Number of Distinct Observations				228							
554	Number of Detects				485	Number of Non-Detects					1	
555	Number of Distinct Detects				227	Number of Distinct Non-Detects					1	
556	Minimum Detect				8.2	Minimum Non-Detect					5	
557	Maximum Detect				59.4	Maximum Non-Detect					5	
558	Variance Detected				83.72	Percent Non-Detects					0.206%	
559	Mean Detected				30.5	SD Detected					9.15	
560	Mean of Detected Logged Data				3.373	SD of Detected Logged Data					0.302	
561												
562	Critical Values for Background Threshold Values (BTVs)											
563	Tolerance Factor K (For UTL)				1.764	d2max (for USL)					3.687	
564												
565												
566	Nonparametric Distribution Free Background Statistics											
567	Data do not follow a Discernible Distribution											
568												
569	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
570	Order of Statistic, r				469	95% UTL with95% Coverage					52	
571	Approx, f used to compute achieved CC				1.371	Approximate Actual Confidence Coefficient achieved by UTL					0.927	
572	Approximate Sample Size needed to achieve specified CC				482	95% UPL					49.13	

	A	B	C	D	E	F	G	H	I	J	K	L
573	95% USL				59.4	95% KM Chebyshev UPL						70.6
574												
575	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
576	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
577	and consists of observations collected from clean unimpacted locations.											
578	The use of USL tends to provide a balance between false positives and false negatives provided the data											
579	represents a background data set and when many onsite observations need to be compared with the BTV.											
580												
581	Thallium											
582												
583	General Statistics											
584	Total Number of Observations				294	Number of Missing Observations				0		
585	Number of Distinct Observations				5							
586	Number of Detects				4	Number of Non-Detects				290		
587	Number of Distinct Detects				3	Number of Distinct Non-Detects				2		
588	Minimum Detect				0.0012	Minimum Non-Detect				2.0000E-4		
589	Maximum Detect				0.0018	Maximum Non-Detect				0.001		
590	Variance Detected				1.0250E-7	Percent Non-Detects				98.64%		
591	Mean Detected				0.00153	SD Detected				3.2016E-4		
592	Mean of Detected Logged Data				-6.503	SD of Detected Logged Data				0.214		
593												
594	Critical Values for Background Threshold Values (BTVs)											
595	Tolerance Factor K (For UTL)				1.8	d2max (for USL)				3.547		
596												
597	Normal GOF Test on Detects Only											
598	Shapiro Wilk Test Statistic				0.801	Shapiro Wilk GOF Test						
599	1% Shapiro Wilk Critical Value				0.687	Detected Data appear Normal at 1% Significance Level						
600	Lilliefors Test Statistic				0.305	Lilliefors GOF Test						
601	1% Lilliefors Critical Value				0.413	Detected Data appear Normal at 1% Significance Level						
602	Detected Data appear Normal at 1% Significance Level											
603												
604	Kaplan Meier (KM) Background Statistics Assuming Normal Distribution											
605	KM Mean				2.1803E-4	KM SD				1.5687E-4		
606	95% UTL95% Coverage				5.0043E-4	95% KM UPL (t)				4.7731E-4		
607	90% KM Percentile (z)				4.1906E-4	95% KM Percentile (z)				4.7605E-4		
608	99% KM Percentile (z)				5.8295E-4	95% KM USL				7.7437E-4		
609												
610												
611	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
612	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
613	and consists of observations collected from clean unimpacted locations.											
614	The use of USL tends to provide a balance between false positives and false negatives provided the data											
615	represents a background data set and when many onsite observations need to be compared with the BTV.											
616												
617	Total Dissolved Solids											
618												
619	General Statistics											
620	Total Number of Observations				485	Number of Missing Observations				2		
621	Number of Distinct Observations				178							
622	Number of Detects				484	Number of Non-Detects				1		
623	Number of Distinct Detects				178	Number of Distinct Non-Detects				1		
624	Minimum Detect				273	Minimum Non-Detect				452		

	A	B	C	D	E	F	G	H	I	J	K	L
625	Maximum Detect					578	Maximum Non-Detect					452
626	Variance Detected					3128	Percent Non-Detects					0.206%
627	Mean Detected					430.1	SD Detected					55.93
628	Mean of Detected Logged Data					6.056	SD of Detected Logged Data					0.131
629												
630	Critical Values for Background Threshold Values (BTVs)											
631	Tolerance Factor K (For UTL)					1.764	d2max (for USL)					3.687
632												
633	Nonparametric Distribution Free Background Statistics											
634	Data do not follow a Discernible Distribution											
635												
636	Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)											
637	Order of Statistic, r					468	95% UTL with 95% Coverage					545
638	Approx, f used to compute achieved CC					1.368	Approximate Actual Confidence Coefficient achieved by UTL					0.926
639	Approximate Sample Size needed to achieve specified CC					482	95% UPL					527
640	95% USL					578	95% KM Chebyshev UPL					673.8
641												
642	Note: The use of USL tends to yield a conservative estimate of BTV, especially when the sample size starts exceeding 20.											
643	Therefore, one may use USL to estimate a BTV only when the data set represents a background data set free of outliers											
644	and consists of observations collected from clean unimpacted locations.											
645	The use of USL tends to provide a balance between false positives and false negatives provided the data											
646	represents a background data set and when many onsite observations need to be compared with the BTV.											
647												

Box Plot for pH

