Luminant

Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

May 25, 2024

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
1021 North Grand Avenue East
Springfield, IL 62794

**Re: Vermilion Power Plant North Ash Pond (NAP) and Old East Ash Pond (OEAP); IEPA ID # W1838000002-01 and W1838000002-03**

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 1, 2024 sampling event at the Vermilion Power Plant North Ash Pond and Old East Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID Nos. W1838000002-01 and W1838000002-03. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS.

The date of this submittal is considered to be the date that exceedances of the GWPSs were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16).

A Corrective Measures Assessment (CMA) was submitted on January 28, 2022 in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case by case basis, as opposed to generating a new CMA. As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

Sincerely,

**Dianna Tickner, PE, PMP**
**Senior Director, Demolition and Decommission**

Enclosures

*Groundwater Monitoring Data and Detected Exceedances, Quarter 1, 2024, North Ash Pond (NAP) and Old East Ash Pond (OEAP), Vermilion Power Plant, Oakwood, Illinois*

# 35 I.A.C. § 845.610(b)(3)(D)
# GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
# QUARTER 1, 2024
## *NORTH ASH POND (NAP) AND OLD EAST ASH POND (OEAP), VERMILION POWER PLANT, OAKWOOD, ILLINOIS*

May 25, 2024

Samples were collected on February 20 and 21, 2024, and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on March 26, 2024.

The monitoring well locations are included in **Figure 1**. **Attachment A** summarizes the groundwater elevation data for the Quarter 1, 2024 sampling event. Compliance monitoring well 17 purged dry and a groundwater sample was not collected. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 1, 2024 sampling event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan[1] provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 1, 2024 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values identified as Statistical Results in **Table 2** were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS, as shown in **Table 2**. The date of this submittal is considered to be the date that the exceedances were detected.

A Corrective Measures Assessment (CMA) was submitted to Illinois Environmental Protection Agency on January 28, 2022 in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case-by-case basis, as opposed to generating a new CMA.

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) will be evaluated for any new detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to Illinois Environmental Protection Agency within 60 days of this transmittal.

## TABLES

Table 1 Field Parameters and Analytical Results - Quarter 1, 2024
Table 2 Comparison of Statistical Results to GWPS - Quarter 1, 2024

## FIGURES

Figure 1 Monitoring Well Location Map

[1] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. North Ash Pond and Old East Ash Pond. Vermilion Power Plant. Oakwood, Illinois. October 25, 2021.*

## ATTACHMENTS

Attachment A Groundwater Elevation Data - Quarter 1, 2024
Attachment B Laboratory Reports and Field Data Sheets - Quarter 1, 2024
Attachment C Comparison of Statistical Results to Background - Quarter 1, 2024

# TABLES

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 21 | Background | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 21 | Background | E004 | 02/20/2024 | Arsenic, total | 0.0550 | mg/L |
| 21 | Background | E004 | 02/20/2024 | Barium, total | 0.140 | mg/L |
| 21 | Background | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 21 | Background | E004 | 02/20/2024 | Boron, total | 0.570 J+ | mg/L |
| 21 | Background | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 21 | Background | E004 | 02/20/2024 | Calcium, total | 150 | mg/L |
| 21 | Background | E004 | 02/20/2024 | Chloride, total | 1.60 | mg/L |
| 21 | Background | E004 | 02/20/2024 | Chromium, total | 0.003 J | mg/L |
| 21 | Background | E004 | 02/20/2024 | Cobalt, total | 0.0004 U | mg/L |
| 21 | Background | E004 | 02/20/2024 | Dissolved Oxygen | 0.260 | mg/L |
| 21 | Background | E004 | 02/20/2024 | Fluoride, total | 0.770 | mg/L |
| 21 | Background | E004 | 02/20/2024 | Lead, total | 0.0005 UJ | mg/L |
| 21 | Background | E004 | 02/20/2024 | Lithium, total | 0.002 J | mg/L |
| 21 | Background | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 21 | Background | E004 | 02/20/2024 | Molybdenum, total | 0.0041 J | mg/L |
| 21 | Background | E004 | 02/20/2024 | Oxidation Reduction Potential | -143 | mV |
| 21 | Background | E004 | 02/20/2024 | pH (field) | 7.4 | SU |
| 21 | Background | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 0.608 | pCi/L |
| 21 | Background | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 21 | Background | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 886 | micromhos/cm |
| 21 | Background | E004 | 02/20/2024 | Sulfate, total | 390 | mg/L |
| 21 | Background | E004 | 02/20/2024 | Temperature | 12.2 | degrees C |
| 21 | Background | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 21 | Background | E004 | 02/20/2024 | Total Dissolved Solids | 870 | mg/L |
| 21 | Background | E004 | 02/20/2024 | Turbidity, field | 23.1 | NTU |
| 42 | Background | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 42 | Background | E004 | 02/20/2024 | Arsenic, total | 0.0300 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Barium, total | 0.160 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 42 | Background | E004 | 02/20/2024 | Boron, total | 0.710 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 42 | Background | E004 | 02/20/2024 | Calcium, total | 97.0 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Chloride, total | 15.0 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Chromium, total | 0.005 UJ | mg/L |
| 42 | Background | E004 | 02/20/2024 | Cobalt, total | 0.0006 J | mg/L |
| 42 | Background | E004 | 02/20/2024 | Dissolved Oxygen | 1.25 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Fluoride, total | 0.550 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Lead, total | 0.000810 J+ | mg/L |
| 42 | Background | E004 | 02/20/2024 | Lithium, total | 0.0024 J | mg/L |
| 42 | Background | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 42 | Background | E004 | 02/20/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 42 | Background | E004 | 02/20/2024 | Oxidation Reduction Potential | -156 | mV |
| 42 | Background | E004 | 02/20/2024 | pH (field) | 7.5 | SU |
| 42 | Background | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 1.23 | pCi/L |
| 42 | Background | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 42 | Background | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 802 | micromhos/cm |
| 42 | Background | E004 | 02/20/2024 | Sulfate, total | 96.0 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Temperature | 10.5 | degrees C |
| 42 | Background | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 42 | Background | E004 | 02/20/2024 | Total Dissolved Solids | 590 | mg/L |
| 42 | Background | E004 | 02/20/2024 | Turbidity, field | 82.0 | NTU |
| 43 | Background | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 43 | Background | E004 | 02/20/2024 | Arsenic, total | 0.0110 J | mg/L |
| 43 | Background | E004 | 02/20/2024 | Barium, total | 0.470 | mg/L |
| 43 | Background | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 43 | Background | E004 | 02/20/2024 | Boron, total | 0.300 J+ | mg/L |
| 43 | Background | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 43 | Background | E004 | 02/20/2024 | Calcium, total | 8.10 J | mg/L |
| 43 | Background | E004 | 02/20/2024 | Chloride, total | 59.0 | mg/L |
| 43 | Background | E004 | 02/20/2024 | Chromium, total | 0.0025 J | mg/L |
| 43 | Background | E004 | 02/20/2024 | Cobalt, total | 0.00063 J | mg/L |
| 43 | Background | E004 | 02/20/2024 | Dissolved Oxygen | 0.160 | mg/L |
| 43 | Background | E004 | 02/20/2024 | Fluoride, total | 0.420 | mg/L |
| 43 | Background | E004 | 02/20/2024 | Lead, total | 0.00100 J+ | mg/L |
| 43 | Background | E004 | 02/20/2024 | Lithium, total | 0.0120 | mg/L |
| 43 | Background | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 43 | Background | E004 | 02/20/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 43 | Background | E004 | 02/20/2024 | Oxidation Reduction Potential | -129 | mV |
| 43 | Background | E004 | 02/20/2024 | pH (field) | 7.1 | SU |
| 43 | Background | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 0.917 | pCi/L |
| 43 | Background | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 43 | Background | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 1,253 | micromhos/cm |
| 43 | Background | E004 | 02/20/2024 | Sulfate, total | 250 | mg/L |
| 43 | Background | E004 | 02/20/2024 | Temperature | 11.1 | degrees C |
| 43 | Background | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 43 | Background | E004 | 02/20/2024 | Total Dissolved Solids | 1,000 | mg/L |
| 43 | Background | E004 | 02/20/2024 | Turbidity, field | 52 | NTU |
| 101 | Background | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 101 | Background | E004 | 02/20/2024 | Arsenic, total | 0.0470 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Barium, total | 0.110 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 101 | Background | E004 | 02/20/2024 | Boron, total | 2.30 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 101 | Background | E004 | 02/20/2024 | Calcium, total | 74.0 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Chloride, total | 26.0 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Chromium, total | 0.0013 J | mg/L |
| 101 | Background | E004 | 02/20/2024 | Cobalt, total | 0.00046 J | mg/L |
| 101 | Background | E004 | 02/20/2024 | Dissolved Oxygen | 0.140 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Fluoride, total | 0.750 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Lead, total | 0.000500 J+ | mg/L |
| 101 | Background | E004 | 02/20/2024 | Lithium, total | 0.0190 | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 101 | Background | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 101 | Background | E004 | 02/20/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 101 | Background | E004 | 02/20/2024 | Oxidation Reduction Potential | -152 | mV |
| 101 | Background | E004 | 02/20/2024 | pH (field) | 7.4 | SU |
| 101 | Background | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 0.363 | pCi/L |
| 101 | Background | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 101 | Background | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 911 | micromhos/cm |
| 101 | Background | E004 | 02/20/2024 | Sulfate, total | 100 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Temperature | 13.0 | degrees C |
| 101 | Background | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 101 | Background | E004 | 02/20/2024 | Total Dissolved Solids | 640 | mg/L |
| 101 | Background | E004 | 02/20/2024 | Turbidity, field | 22.7 | NTU |
| 103 | Background | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 103 | Background | E004 | 02/20/2024 | Arsenic, total | 0.00180 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Barium, total | 0.0170 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 103 | Background | E004 | 02/20/2024 | Boron, total | 0.290 J+ | mg/L |
| 103 | Background | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 103 | Background | E004 | 02/20/2024 | Calcium, total | 210 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Chloride, total | 4.80 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Chromium, total | 0.0011 U | mg/L |
| 103 | Background | E004 | 02/20/2024 | Cobalt, total | 0.00260 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Dissolved Oxygen | 5.80 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Fluoride, total | 0.230 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Lead, total | 0.0005 UJ | mg/L |
| 103 | Background | E004 | 02/20/2024 | Lithium, total | 0.0570 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 103 | Background | E004 | 02/20/2024 | Molybdenum, total | 0.00550 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Oxidation Reduction Potential | 85.2 | mV |
| 103 | Background | E004 | 02/20/2024 | pH (field) | 7.0 | SU |
| 103 | Background | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 0.602 | pCi/L |
| 103 | Background | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 103 | Background | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 1,732 | micromhos/cm |
| 103 | Background | E004 | 02/20/2024 | Sulfate, total | 1,200 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Temperature | 13.1 | degrees C |
| 103 | Background | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 103 | Background | E004 | 02/20/2024 | Total Dissolved Solids | 2,000 | mg/L |
| 103 | Background | E004 | 02/20/2024 | Turbidity, field | 39.5 | NTU |
| 02 | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 J | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.0110 | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Barium, total | 0.190 | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Boron, total | 0.320 J+ | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Calcium, total | 84.0 | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Chloride, total | 47.0 | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 02 | Compliance | E004 | 02/20/2024 | Chromium, total | 0.0018 J | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.0004 U | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | 1.23 | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.580 | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Lead, total | 0.0005 UJ | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Lithium, total | 0.0025 J | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | -186 | mV |
| 02 | Compliance | E004 | 02/20/2024 | pH (field) | 7.8 | SU |
| 02 | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 1.09 | pCi/L |
| 02 | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 846 | micromhos/cm |
| 02 | Compliance | E004 | 02/20/2024 | Sulfate, total | 23.0 | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Temperature | 13.3 | degrees C |
| 02 | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 640 | mg/L |
| 02 | Compliance | E004 | 02/20/2024 | Turbidity, field | 4.26 | NTU |
| 03R | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.00770 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Barium, total | 0.310 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Boron, total | 26.0 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.000510 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Calcium, total | 170 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Chloride, total | 25.0 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Chromium, total | 0.002 J | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.00075 J | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | 0.150 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.460 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Lead, total | 0.00100 J+ | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Lithium, total | 0.002 U | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Mercury, total | 0.00011 J | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.330 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | -150 | mV |
| 03R | Compliance | E004 | 02/20/2024 | pH (field) | 7.4 | SU |
| 03R | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 1.31 | pCi/L |
| 03R | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 1,368 | micromhos/cm |
| 03R | Compliance | E004 | 02/20/2024 | Sulfate, total | 550 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Temperature | 12.5 | degrees C |
| 03R | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 1,300 | mg/L |
| 03R | Compliance | E004 | 02/20/2024 | Turbidity, field | 109 | NTU |
| 04 | Compliance | E004 | 02/21/2024 | Antimony, total | 0.0013 U | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Arsenic, total | 0.0066 J | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 04 | Compliance | E004 | 02/21/2024 | Barium, total | 0.220 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Beryllium, total | 0.00053 U | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Boron, total | 7.50 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Cadmium, total | 0.00017 U | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Calcium, total | 72.0 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Chloride, total | 9.10 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Chromium, total | 0.0011 U | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Cobalt, total | 0.00056 J | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Dissolved Oxygen | 0.0900 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Fluoride, total | 0.300 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Lead, total | 0.00019 U | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Lithium, total | 0.0400 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Mercury, total | 0.000079 U | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Molybdenum, total | 0.0340 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Oxidation Reduction Potential | -162 | mV |
| 04 | Compliance | E004 | 02/21/2024 | pH (field) | 7.8 | SU |
| 04 | Compliance | E004 | 02/21/2024 | Radium 226 + Radium 228, total | 0.812 | pCi/L |
| 04 | Compliance | E004 | 02/21/2024 | Selenium, total | 0.00098 U | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Specific Conductance @ 25C (field) | 451 | micromhos/cm |
| 04 | Compliance | E004 | 02/21/2024 | Sulfate, total | 36.0 | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Temperature | 9.70 | degrees C |
| 04 | Compliance | E004 | 02/21/2024 | Thallium, total | 0.00057 U | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Total Dissolved Solids | 350 J+ | mg/L |
| 04 | Compliance | E004 | 02/21/2024 | Turbidity, field | 4.08 | NTU |
| 05 | Compliance | E004 | 02/21/2024 | Antimony, total | 0.0013 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Arsenic, total | 0.0046 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Barium, total | 0.0230 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Beryllium, total | 0.00053 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Boron, total | 20.0 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Cadmium, total | 0.00017 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Calcium, total | 98.0 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Chloride, total | 6.50 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Chromium, total | 0.0011 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Cobalt, total | 0.00068 J | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Dissolved Oxygen | 0.0400 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Fluoride, total | 0.670 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Lead, total | 0.00019 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Lithium, total | 0.0800 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Mercury, total | 0.000079 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Molybdenum, total | 0.0380 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Oxidation Reduction Potential | -6.90 | mV |
| 05 | Compliance | E004 | 02/21/2024 | pH (field) | 7.6 | SU |
| 05 | Compliance | E004 | 02/21/2024 | Radium 226 + Radium 228, total | 0.267 | pCi/L |
| 05 | Compliance | E004 | 02/21/2024 | Selenium, total | 0.00098 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Specific Conductance @ 25C (field) | 553 | micromhos/cm |
| 05 | Compliance | E004 | 02/21/2024 | Sulfate, total | 240 | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 05 | Compliance | E004 | 02/21/2024 | Temperature | 11.0 | degrees C |
| 05 | Compliance | E004 | 02/21/2024 | Thallium, total | 0.00057 U | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Total Dissolved Solids | 540 | mg/L |
| 05 | Compliance | E004 | 02/21/2024 | Turbidity, field | 3.18 | NTU |
| 07R | Compliance | E004 | 02/21/2024 | Antimony, total | 0.0013 U | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Arsenic, total | 0.00360 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Barium, total | 0.0210 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Beryllium, total | 0.00053 U | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Boron, total | 47.0 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Cadmium, total | 0.00017 U | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Calcium, total | 760 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Chloride, total | 4.10 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Chromium, total | 0.0011 U | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Cobalt, total | 0.00043 J | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Dissolved Oxygen | 0.870 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Fluoride, total | 0.091 J | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Lead, total | 0.00019 U | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Lithium, total | 0.560 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Mercury, total | 0.000079 U | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Molybdenum, total | 0.320 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Oxidation Reduction Potential | -141 | mV |
| 07R | Compliance | E004 | 02/21/2024 | pH (field) | 7.7 | SU |
| 07R | Compliance | E004 | 02/21/2024 | Radium 226 + Radium 228, total | 0.579 | pCi/L |
| 07R | Compliance | E004 | 02/21/2024 | Selenium, total | 0.00540 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Specific Conductance @ 25C (field) | 2,551 | micromhos/cm |
| 07R | Compliance | E004 | 02/21/2024 | Sulfate, total | 2,000 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Temperature | 12.6 | degrees C |
| 07R | Compliance | E004 | 02/21/2024 | Thallium, total | 0.00057 U | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Total Dissolved Solids | 3,000 | mg/L |
| 07R | Compliance | E004 | 02/21/2024 | Turbidity, field | 132 | NTU |
| 08R | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.0280 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Barium, total | 0.130 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Boron, total | 37.0 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Calcium, total | 280 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Chloride, total | 6.10 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Chromium, total | 0.0011 U | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.00097 J | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | -0.0700 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.056 J | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Lead, total | 0.00019 U | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Lithium, total | 0.350 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Mercury, total | 0.00012 J | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.170 | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 08R | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | -59.1 | mV |
| 08R | Compliance | E004 | 02/20/2024 | pH (field) | 7.1 | SU |
| 08R | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 0.862 | pCi/L |
| 08R | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 1,358 | micromhos/cm |
| 08R | Compliance | E004 | 02/20/2024 | Sulfate, total | 790 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Temperature | 10.5 | degrees C |
| 08R | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 1,300 | mg/L |
| 08R | Compliance | E004 | 02/20/2024 | Turbidity, field | 5.35 | NTU |
| 17 | Compliance | E004 | -- | Antimony, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Arsenic, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Barium, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Beryllium, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Boron, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Cadmium, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Calcium, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Chloride, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Chromium, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Cobalt, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Dissolved Oxygen | -- | mg/L |
| 17 | Compliance | E004 | -- | Fluoride, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Lead, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Lithium, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Mercury, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Molybdenum, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Oxidation Reduction Potential | -- | mV |
| 17 | Compliance | E004 | -- | pH (field) | -- | SU |
| 17 | Compliance | E004 | -- | Radium 226 + Radium 228, total | -- | pCi/L |
| 17 | Compliance | E004 | -- | Selenium, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Specific Conductance @ 25C (field) | -- | micromhos/cm |
| 17 | Compliance | E004 | -- | Sulfate, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Temperature | -- | degrees C |
| 17 | Compliance | E004 | -- | Thallium, total | -- | mg/L |
| 17 | Compliance | E004 | -- | Total Dissolved Solids | -- | mg/L |
| 17 | Compliance | E004 | -- | Turbidity, field | -- | NTU |
| 20 | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.00058 J | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Barium, total | 0.0230 | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Boron, total | 1.70 | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Calcium, total | 110 | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Chloride, total | 3.90 | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Chromium, total | 0.0011 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.00069 J | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 20 | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | 1.12 | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.079 J | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Lead, total | 0.00019 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Lithium, total | 0.0210 | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | -40.0 | mV |
| 20 | Compliance | E004 | 02/20/2024 | pH (field) | 7.1 | SU |
| 20 | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 0.41 | pCi/L |
| 20 | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 554 | micromhos/cm |
| 20 | Compliance | E004 | 02/20/2024 | Sulfate, total | 88.0 | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Temperature | 10.5 | degrees C |
| 20 | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 530 | mg/L |
| 20 | Compliance | E004 | 02/20/2024 | Turbidity, field | 3.99 | NTU |
| 34 | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.0270 | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Barium, total | 0.160 | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Boron, total | 0.500 J+ | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Calcium, total | 65.0 | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Chloride, total | 34.0 | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Chromium, total | 0.0036 J | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.00087 J | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | 0.110 | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.640 | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Lead, total | 0.00180 J+ | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Lithium, total | 0.0037 J | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | 78.7 | mV |
| 34 | Compliance | E004 | 02/20/2024 | pH (field) | 7.2 | SU |
| 34 | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 1.84 | pCi/L |
| 34 | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 829 | micromhos/cm |
| 34 | Compliance | E004 | 02/20/2024 | Sulfate, total | 1 UJ | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Temperature | 11.5 | degrees C |
| 34 | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 530 | mg/L |
| 34 | Compliance | E004 | 02/20/2024 | Turbidity, field | 241 | NTU |
| 36 | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.00360 J | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Barium, total | 0.0920 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 36 | Compliance | E004 | 02/20/2024 | Boron, total | 17.0 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Calcium, total | 410 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Chloride, total | 13.0 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Chromium, total | 0.0013 J | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.00056 J | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | 0.220 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.240 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Lead, total | 0.0005 UJ | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Lithium, total | 0.250 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.230 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | -119 | mV |
| 36 | Compliance | E004 | 02/20/2024 | pH (field) | 7.3 | SU |
| 36 | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 0.466 | pCi/L |
| 36 | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 1,761 | micromhos/cm |
| 36 | Compliance | E004 | 02/20/2024 | Sulfate, total | 1,100 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Temperature | 12.1 | degrees C |
| 36 | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 1,900 | mg/L |
| 36 | Compliance | E004 | 02/20/2024 | Turbidity, field | 13 | NTU |
| 37 | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.0420 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Barium, total | 0.370 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Boron, total | 2.00 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Calcium, total | 130 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Chloride, total | 44.0 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Chromium, total | 0.017 J | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.00083 J | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | 0.250 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.550 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Lead, total | 0.00170 J+ | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Lithium, total | 0.002 U | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | -172 | mV |
| 37 | Compliance | E004 | 02/20/2024 | pH (field) | 7.1 | SU |
| 37 | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 1.84 | pCi/L |
| 37 | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 1,238 | micromhos/cm |
| 37 | Compliance | E004 | 02/20/2024 | Sulfate, total | 310 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Temperature | 12.6 | degrees C |
| 37 | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 37 | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 930 | mg/L |
| 37 | Compliance | E004 | 02/20/2024 | Turbidity, field | 98.5 | NTU |
| 38 | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.0270 | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Barium, total | 0.190 | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Boron, total | 0.450 J+ | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Calcium, total | 13.0 | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Chloride, total | 17.0 | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Chromium, total | 0.0032 J | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.00061 J | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | 0.0300 | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.360 | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Lead, total | 0.00180 J+ | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Lithium, total | 0.002 J | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | -151 | mV |
| 38 | Compliance | E004 | 02/20/2024 | pH (field) | 7.1 | SU |
| 38 | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 1.65 | pCi/L |
| 38 | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 753 | micromhos/cm |
| 38 | Compliance | E004 | 02/20/2024 | Sulfate, total | 1 UJ | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Temperature | 11.6 | degrees C |
| 38 | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 570 | mg/L |
| 38 | Compliance | E004 | 02/20/2024 | Turbidity, field | 44.4 | NTU |
| 40 | Compliance | E004 | 02/20/2024 | Antimony, total | 0.0013 U | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Arsenic, total | 0.0200 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Barium, total | 0.0280 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Beryllium, total | 0.00053 U | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Boron, total | 24.0 J | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Cadmium, total | 0.00017 U | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Calcium, total | 640 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Chloride, total | 9.10 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Chromium, total | 0.0021 J | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Cobalt, total | 0.00750 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Dissolved Oxygen | 0.200 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Fluoride, total | 0.056 U | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Lead, total | 0.00019 U | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Lithium, total | 0.780 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Mercury, total | 0.000079 U | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Molybdenum, total | 0.0560 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Oxidation Reduction Potential | -124 | mV |
| 40 | Compliance | E004 | 02/20/2024 | pH (field) | 6.5 | SU |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 40 | Compliance | E004 | 02/20/2024 | Radium 226 + Radium 228, total | 1.04 | pCi/L |
| 40 | Compliance | E004 | 02/20/2024 | Selenium, total | 0.00098 U | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Specific Conductance @ 25C (field) | 3,787 | micromhos/cm |
| 40 | Compliance | E004 | 02/20/2024 | Sulfate, total | 3,300 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Temperature | 12.5 | degrees C |
| 40 | Compliance | E004 | 02/20/2024 | Thallium, total | 0.00057 U | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Total Dissolved Solids | 5,100 | mg/L |
| 40 | Compliance | E004 | 02/20/2024 | Turbidity, field | 216 | NTU |
| 41 | Compliance | E004 | 02/21/2024 | Antimony, total | 0.0013 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Arsenic, total | 0.0130 | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Barium, total | 0.260 | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Beryllium, total | 0.00053 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Boron, total | 3.50 | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Cadmium, total | 0.00017 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Calcium, total | 92.0 | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Chloride, total | 49.0 | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Chromium, total | 0.0012 J | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Cobalt, total | 0.0004 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Dissolved Oxygen | -0.240 | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Fluoride, total | 0.410 | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Lead, total | 0.0005 UJ | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Lithium, total | 0.002 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Mercury, total | 0.000079 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Molybdenum, total | 0.0025 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Oxidation Reduction Potential | -156 | mV |
| 41 | Compliance | E004 | 02/21/2024 | pH (field) | 7.2 | SU |
| 41 | Compliance | E004 | 02/21/2024 | Radium 226 + Radium 228, total | 1.12 | pCi/L |
| 41 | Compliance | E004 | 02/21/2024 | Selenium, total | 0.00098 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Specific Conductance @ 25C (field) | 1,039 | micromhos/cm |
| 41 | Compliance | E004 | 02/21/2024 | Sulfate, total | 1 UJ | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Temperature | 12.6 | degrees C |
| 41 | Compliance | E004 | 02/21/2024 | Thallium, total | 0.00057 U | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Total Dissolved Solids | 650 | mg/L |
| 41 | Compliance | E004 | 02/21/2024 | Turbidity, field | 27.1 | NTU |

**Notes:**
– = no data available
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | LGU | E004 | Antimony, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 02 | LGU | E004 | Arsenic, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CI around mean | 0.00557 | 0.0600 | Background | No Exceedance |
| 02 | LGU | E004 | Barium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.193 | 2.0 | Standard | No Exceedance |
| 02 | LGU | E004 | Beryllium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 02 | LGU | E004 | Boron, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.306 | 2.45 | Background | No Exceedance |
| 02 | LGU | E004 | Cadmium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 02 | LGU | E004 | Chloride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 38.6 | 200 | Standard | No Exceedance |
| 02 | LGU | E004 | Chromium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 02 | LGU | E004 | Cobalt, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.006 | Standard | No Exceedance |
| 02 | LGU | E004 | Fluoride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CB around linear reg | 0.497 | 4.0 | Standard | No Exceedance |
| 02 | LGU | E004 | Lead, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.0075 | Standard | No Exceedance |
| 02 | LGU | E004 | Lithium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 50 | CI around mean | 0.0029 | 0.04 | Standard | No Exceedance |
| 02 | LGU | E004 | Mercury, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 02 | LGU | E004 | Molybdenum, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 02 | LGU | E004 | pH (field) | SU | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 7.4/7.8 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 02 | LGU | E004 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 0.485 | 5 | Standard | No Exceedance |
| 02 | LGU | E004 | Selenium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 02 | LGU | E004 | Sulfate, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | -12.1 | 400 | Standard | No Exceedance |
| 02 | LGU | E004 | Thallium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 02 | LGU | E004 | Total Dissolved Solids | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 558 | 1,200 | Standard | No Exceedance |
| 03R | LGU | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 03R | LGU | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.00491 | 0.0600 | Background | No Exceedance |
| 03R | LGU | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.287 | 2.0 | Standard | No Exceedance |
| 03R | LGU | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 03R | LGU | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around median | 19.1 | 2.45 | Background | Exceedance |
| 03R | LGU | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 75 | CI around median | 0.00051 | 0.005 | Standard | No Exceedance |
| 03R | LGU | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 2 | CI around mean | 26 | 200 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03R | LGU | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 83 | CI around median | 0.0015 | 0.1 | Standard | No Exceedance |
| 03R | LGU | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 83 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |
| 03R | LGU | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 8 | CI around mean | 0.447 | 4.0 | Standard | No Exceedance |
| 03R | LGU | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 58 | CI around median | 0.001 | 0.0075 | Standard | No Exceedance |
| 03R | LGU | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CI around median | 0.003 | 0.04 | Standard | No Exceedance |
| 03R | LGU | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 03R | LGU | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.185 | 0.1 | Standard | Exceedance |
| 03R | LGU | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 7.2/7.4 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 03R | LGU | E004 | Radium 226 + Radium 228, total | pCi/L | 04/21/21 - 02/20/24 | 10 | 0 | CI around mean | 0.928 | 5 | Standard | No Exceedance |
| 03R | LGU | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 03R | LGU | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 487 | 400 | Standard | Exceedance |
| 03R | LGU | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 03R | LGU | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 1,090 | 1,200 | Standard | No Exceedance |
| 04 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 04 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/21/24 | 12 | 8 | CI around geomean | 0.00541 | 0.0600 | Background | No Exceedance |
| 04 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 0.225 | 2.0 | Standard | No Exceedance |
| 04 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 04 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 8.41 | 2.45 | Background | Exceedance |
| 04 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 04 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 10.4 | 200 | Standard | No Exceedance |
| 04 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 04 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/21/24 | 12 | 92 | Most recent sample | 0.001 | 0.006 | Standard | No Exceedance |
| 04 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 8 | CI around median | 0.3 | 4.0 | Standard | No Exceedance |
| 04 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.0075 | Standard | No Exceedance |
| 04 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 0.0461 | 0.04 | Standard | Exceedance |
| 04 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 04 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 0.032 | 0.1 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | UA | E004 | pH (field) | SU | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 7.3/7.6 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 04 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/19/21 - 02/21/24 | 10 | 0 | CI around mean | 0.635 | 5 | Standard | No Exceedance |
| 04 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 04 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 37.3 | 400 | Standard | No Exceedance |
| 04 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 04 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 366 | 1,200 | Standard | No Exceedance |
| 05 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 05 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.02 | 0.0600 | Background | No Exceedance |
| 05 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 0.022 | 2.0 | Standard | No Exceedance |
| 05 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 05 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 18.6 | 2.45 | Background | Exceedance |
| 05 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 05 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 2 | CI around mean | 7.55 | 200 | Standard | No Exceedance |
| 05 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 05 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/21/24 | 12 | 83 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |
| 05 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 8 | CB around linear reg | 0.539 | 4.0 | Standard | No Exceedance |
| 05 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.0075 | Standard | No Exceedance |
| 05 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around geomean | 0.0852 | 0.04 | Standard | Exceedance |
| 05 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 05 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 0.0384 | 0.1 | Standard | No Exceedance |
| 05 | UA | E004 | pH (field) | SU | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 7.2/7.4 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 05 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/21/21 - 02/21/24 | 10 | 0 | CI around mean | 0.00358 | 5 | Standard | No Exceedance |
| 05 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 05 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 62.1 | 400 | Standard | No Exceedance |
| 05 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 05 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 528 | 1,200 | Standard | No Exceedance |
| 07R | UA | E004 | Antimony, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07R | UA | E004 | Arsenic, total | mg/L | 05/12/21 - 02/21/24 | 8 | 12 | CI around geomean | 0.000795 | 0.0600 | Background | No Exceedance |
| 07R | UA | E004 | Barium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around median | 0.0176 | 2.0 | Standard | No Exceedance |
| 07R | UA | E004 | Beryllium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.0005 | 0.004 | Standard | No Exceedance |
| 07R | UA | E004 | Boron, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CB around linear reg | 28.3 | 2.45 | Background | Exceedance |
| 07R | UA | E004 | Cadmium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.0005 | 0.005 | Standard | No Exceedance |
| 07R | UA | E004 | Chloride, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 4.54 | 200 | Standard | No Exceedance |
| 07R | UA | E004 | Chromium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.001 | 0.1 | Standard | No Exceedance |
| 07R | UA | E004 | Cobalt, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |
| 07R | UA | E004 | Fluoride, total | mg/L | 05/12/21 - 02/21/24 | 8 | 12 | CI around mean | 0.0882 | 4.0 | Standard | No Exceedance |
| 07R | UA | E004 | Lead, total | mg/L | 05/12/21 - 02/21/24 | 8 | 62 | CI around median | 0.0005 | 0.0075 | Standard | No Exceedance |
| 07R | UA | E004 | Lithium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 0.536 | 0.04 | Standard | Exceedance |
| 07R | UA | E004 | Mercury, total | mg/L | 05/12/21 - 02/21/24 | 8 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 07R | UA | E004 | Molybdenum, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 0.361 | 0.1 | Standard | Exceedance |
| 07R | UA | E004 | pH (field) | SU | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 7.3/7.7 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 07R | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around geomean | 0.278 | 5 | Standard | No Exceedance |
| 07R | UA | E004 | Selenium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 25 | CI around mean | 0.00122 | 0.05 | Standard | No Exceedance |
| 07R | UA | E004 | Sulfate, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 1,750 | 400 | Standard | Exceedance |
| 07R | UA | E004 | Thallium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 07R | UA | E004 | Total Dissolved Solids | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 2,870 | 1,200 | Standard | Exceedance |
| 08R | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 08R | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CB around linear reg | 0.0239 | 0.0600 | Background | No Exceedance |
| 08R | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.055 | 2.0 | Standard | No Exceedance |
| 08R | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 08R | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around median | 14.4 | 2.45 | Background | Exceedance |
| 08R | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 08R | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around median | 4 | 200 | Standard | No Exceedance |
| 08R | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08R | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.006 | Standard | No Exceedance |
| 08R | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 75 | CI around median | 0.1 | 4.0 | Standard | No Exceedance |
| 08R | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.0075 | Standard | No Exceedance |
| 08R | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around median | 0.13 | 0.04 | Standard | Exceedance |
| 08R | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 08R | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.174 | 0.1 | Standard | Exceedance |
| 08R | UA | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 7.0/8.0 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 08R | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/21/21 - 02/20/24 | 10 | 0 | CI around mean | 0.394 | 5 | Standard | No Exceedance |
| 08R | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 08R | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CB around linear reg | 518 | 400 | Standard | Exceedance |
| 08R | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 08R | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 1,060 | 1,200 | Standard | No Exceedance |
| 17 | UA | E004 | Antimony, total | mg/L | -- | -- | -- | -- | -- | 0.006 | Standard | -- |
| 17 | UA | E004 | Arsenic, total | mg/L | -- | -- | -- | -- | -- | 0.0600 | Background | -- |
| 17 | UA | E004 | Barium, total | mg/L | -- | -- | -- | -- | -- | 2.0 | Standard | -- |
| 17 | UA | E004 | Beryllium, total | mg/L | -- | -- | -- | -- | -- | 0.004 | Standard | -- |
| 17 | UA | E004 | Boron, total | mg/L | -- | -- | -- | -- | -- | 2.45 | Background | -- |
| 17 | UA | E004 | Cadmium, total | mg/L | -- | -- | -- | -- | -- | 0.005 | Standard | -- |
| 17 | UA | E004 | Chloride, total | mg/L | -- | -- | -- | -- | -- | 200 | Standard | -- |
| 17 | UA | E004 | Chromium, total | mg/L | -- | -- | -- | -- | -- | 0.1 | Standard | -- |
| 17 | UA | E004 | Cobalt, total | mg/L | -- | -- | -- | -- | -- | 0.006 | Standard | -- |
| 17 | UA | E004 | Fluoride, total | mg/L | -- | -- | -- | -- | -- | 4.0 | Standard | -- |
| 17 | UA | E004 | Lead, total | mg/L | -- | -- | -- | -- | -- | 0.0075 | Standard | -- |
| 17 | UA | E004 | Lithium, total | mg/L | -- | -- | -- | -- | -- | 0.04 | Standard | -- |
| 17 | UA | E004 | Mercury, total | mg/L | -- | -- | -- | -- | -- | 0.002 | Standard | -- |
| 17 | UA | E004 | Molybdenum, total | mg/L | -- | -- | -- | -- | -- | 0.1 | Standard | -- |
| 17 | UA | E004 | pH (field) | SU | -- | -- | -- | -- | -- | 6.5/9.0 | Standard/Standard | -- |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | -- | -- | -- | -- | -- | 5 | Standard | -- |
| 17 | UA | E004 | Selenium, total | mg/L | -- | -- | -- | -- | -- | 0.05 | Standard | -- |
| 17 | UA | E004 | Sulfate, total | mg/L | -- | -- | -- | -- | -- | 400 | Standard | -- |
| 17 | UA | E004 | Thallium, total | mg/L | -- | -- | -- | -- | -- | 0.002 | Standard | -- |
| 17 | UA | E004 | Total Dissolved Solids | mg/L | -- | -- | -- | -- | -- | 1,200 | Standard | -- |
| 20 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 20 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 67 | CI around median | 0.001 | 0.0600 | Background | No Exceedance |
| 20 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0175 | 2.0 | Standard | No Exceedance |
| 20 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 20 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.639 | 2.45 | Background | No Exceedance |
| 20 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 20 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 14 | CI around median | 4 | 200 | Standard | No Exceedance |
| 20 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 20 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 83 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |
| 20 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.1 | 4.0 | Standard | No Exceedance |
| 20 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.0075 | Standard | No Exceedance |
| 20 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around geomean | 0.0198 | 0.04 | Standard | No Exceedance |
| 20 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 20 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CI around median | 0.0015 | 0.1 | Standard | No Exceedance |
| 20 | UA | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 6.9/7.1 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 20 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/19/21 - 02/20/24 | 10 | 0 | CI around mean | 0.385 | 5 | Standard | No Exceedance |
| 20 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 20 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 73.2 | 400 | Standard | No Exceedance |
| 20 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 20 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 402 | 1,200 | Standard | No Exceedance |
| 34 | LGU | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 34 | LGU | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0244 | 0.0600 | Background | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | LGU | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.154 | 2.0 | Standard | No Exceedance |
| 34 | LGU | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 34 | LGU | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around geomean | 0.471 | 2.45 | Background | No Exceedance |
| 34 | LGU | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 34 | LGU | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 33.1 | 200 | Standard | No Exceedance |
| 34 | LGU | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 42 | CI around mean | 0.00189 | 0.1 | Standard | No Exceedance |
| 34 | LGU | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 50 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |
| 34 | LGU | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 8 | CI around median | 0.62 | 4.0 | Standard | No Exceedance |
| 34 | LGU | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 8 | CI around mean | 0.00145 | 0.0075 | Standard | No Exceedance |
| 34 | LGU | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 42 | CI around mean | 0.00323 | 0.04 | Standard | No Exceedance |
| 34 | LGU | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 34 | LGU | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CI around median | 0.0015 | 0.1 | Standard | No Exceedance |
| 34 | LGU | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 7.0/7.2 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 34 | LGU | E004 | Radium 226 + Radium 228, total | pCi/L | 04/19/21 - 02/20/24 | 10 | 0 | CI around mean | 0.402 | 5 | Standard | No Exceedance |
| 34 | LGU | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 34 | LGU | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 88 | CI around median | 1 | 400 | Standard | No Exceedance |
| 34 | LGU | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 34 | LGU | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 474 | 1,200 | Standard | No Exceedance |
| 36 | UA | E004 | Antimony, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 36 | UA | E004 | Arsenic, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CB around linear reg | 0.00329 | 0.0600 | Background | No Exceedance |
| 36 | UA | E004 | Barium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.103 | 2.0 | Standard | No Exceedance |
| 36 | UA | E004 | Beryllium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 36 | UA | E004 | Boron, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 11.7 | 2.45 | Background | Exceedance |
| 36 | UA | E004 | Cadmium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 36 | UA | E004 | Chloride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 18.1 | 200 | Standard | No Exceedance |
| 36 | UA | E004 | Chromium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 36 | UA | E004 | Cobalt, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | UA | E004 | Fluoride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CI around median | 0.25 | 4.0 | Standard | No Exceedance |
| 36 | UA | E004 | Lead, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.0005 | 0.0075 | Standard | No Exceedance |
| 36 | UA | E004 | Lithium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.134 | 0.04 | Standard | Exceedance |
| 36 | UA | E004 | Mercury, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 36 | UA | E004 | Molybdenum, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.11 | 0.1 | Standard | Exceedance |
| 36 | UA | E004 | pH (field) | SU | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 7.0/7.3 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 36 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 1.03 | 5 | Standard | No Exceedance |
| 36 | UA | E004 | Selenium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 36 | UA | E004 | Sulfate, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 952 | 400 | Standard | Exceedance |
| 36 | UA | E004 | Thallium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 36 | UA | E004 | Total Dissolved Solids | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 1,650 | 1,200 | Standard | Exceedance |
| 37 | LGU | E004 | Antimony, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 37 | LGU | E004 | Arsenic, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around median | 0.0257 | 0.0600 | Background | No Exceedance |
| 37 | LGU | E004 | Barium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.281 | 2.0 | Standard | No Exceedance |
| 37 | LGU | E004 | Beryllium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 37 | LGU | E004 | Boron, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 1.67 | 2.45 | Background | No Exceedance |
| 37 | LGU | E004 | Cadmium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 37 | LGU | E004 | Chloride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 41.3 | 200 | Standard | No Exceedance |
| 37 | LGU | E004 | Chromium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CB around T-S line | 0.0015 | 0.1 | Standard | No Exceedance |
| 37 | LGU | E004 | Cobalt, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.006 | Standard | No Exceedance |
| 37 | LGU | E004 | Fluoride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CI around mean | 0.562 | 4.0 | Standard | No Exceedance |
| 37 | LGU | E004 | Lead, total | mg/L | 03/31/21 - 02/20/24 | 12 | 75 | CI around median | 0.0005 | 0.0075 | Standard | No Exceedance |
| 37 | LGU | E004 | Lithium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.003 | 0.04 | Standard | No Exceedance |
| 37 | LGU | E004 | Mercury, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 37 | LGU | E004 | Molybdenum, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.0015 | 0.1 | Standard | No Exceedance |
| 37 | LGU | E004 | pH (field) | SU | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 6.8/7.1 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 37 | LGU | E004 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 0.869 | 5 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | LGU | E004 | Selenium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 37 | LGU | E004 | Sulfate, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 97 | 400 | Standard | No Exceedance |
| 37 | LGU | E004 | Thallium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 37 | LGU | E004 | Total Dissolved Solids | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 804 | 1,200 | Standard | No Exceedance |
| 38 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 38 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CB around linear reg | 0.0261 | 0.0600 | Background | No Exceedance |
| 38 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CB around T-S line | -0.129 | 2.0 | Standard | No Exceedance |
| 38 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 38 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around geomean | 0.414 | 2.45 | Background | No Exceedance |
| 38 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 38 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 17.5 | 200 | Standard | No Exceedance |
| 38 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 38 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.006 | Standard | No Exceedance |
| 38 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 8 | CI around geomean | 0.347 | 4.0 | Standard | No Exceedance |
| 38 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CI around median | 0.0005 | 0.0075 | Standard | No Exceedance |
| 38 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 50 | CI around geomean | 0.00293 | 0.04 | Standard | No Exceedance |
| 38 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 38 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 33 | CI around mean | 0.00237 | 0.1 | Standard | No Exceedance |
| 38 | UA | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 6.9/7.1 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 38 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/19/21 - 02/20/24 | 10 | 0 | CI around mean | 0.935 | 5 | Standard | No Exceedance |
| 38 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 38 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CB around T-S line | 0.0678 | 400 | Standard | No Exceedance |
| 38 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 38 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 500 | 1,200 | Standard | No Exceedance |
| 40 | UA | E004 | Antimony, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 40 | UA | E004 | Arsenic, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0173 | 0.0600 | Background | No Exceedance |
| 40 | UA | E004 | Barium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0297 | 2.0 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | UA | E004 | Beryllium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 40 | UA | E004 | Boron, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 19.8 | 2.45 | Background | Exceedance |
| 40 | UA | E004 | Cadmium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.0005 | 0.005 | Standard | No Exceedance |
| 40 | UA | E004 | Chloride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 6.17 | 200 | Standard | No Exceedance |
| 40 | UA | E004 | Chromium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 40 | UA | E004 | Cobalt, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0053 | 0.006 | Standard | No Exceedance |
| 40 | UA | E004 | Fluoride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 83 | CI around median | 0.1 | 4.0 | Standard | No Exceedance |
| 40 | UA | E004 | Lead, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.0075 | Standard | No Exceedance |
| 40 | UA | E004 | Lithium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around median | 0.74 | 0.04 | Standard | Exceedance |
| 40 | UA | E004 | Mercury, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 40 | UA | E004 | Molybdenum, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0582 | 0.1 | Standard | No Exceedance |
| 40 | UA | E004 | pH (field) | SU | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 6.4/6.6 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 40 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 0.708 | 5 | Standard | No Exceedance |
| 40 | UA | E004 | Selenium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 40 | UA | E004 | Sulfate, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 2,960 | 400 | Standard | Exceedance |
| 40 | UA | E004 | Thallium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 83 | CI around median | 0.002 | 0.002 | Standard | No Exceedance |
| 40 | UA | E004 | Total Dissolved Solids | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 4,400 | 1,200 | Standard | Exceedance |
| 41 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 41 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 0.0103 | 0.0600 | Background | No Exceedance |
| 41 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 0.231 | 2.0 | Standard | No Exceedance |
| 41 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 41 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 2.93 | 2.45 | Background | Exceedance |
| 41 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 41 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 46.4 | 200 | Standard | No Exceedance |
| 41 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 92 | CI around median | 0.0015 | 0.1 | Standard | No Exceedance |
| 41 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.001 | 0.006 | Standard | No Exceedance |
| 41 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 8 | CI around median | 0.41 | 4.0 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.0075 | Standard | No Exceedance |
| 41 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.005 | 0.04 | Standard | No Exceedance |
| 41 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 41 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 41 | UA | E004 | pH (field) | SU | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 7.0/7.2 | 6.5/9.0 | Standard/Standard | No Exceedance |
| 41 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/20/21 - 02/21/24 | 10 | 0 | CI around mean | 1.07 | 5 | Standard | No Exceedance |
| 41 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 41 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/21/24 | 12 | 83 | CI around median | 1 | 400 | Standard | No Exceedance |
| 41 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 41 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 600 | 1,200 | Standard | No Exceedance |

**TABLE 2.**
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

**Notes:**
– = no data available
Compliance Result:

No Exceedance: the statistical result did not exceed the GWPS.

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

LGU = Lower Groundwater Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

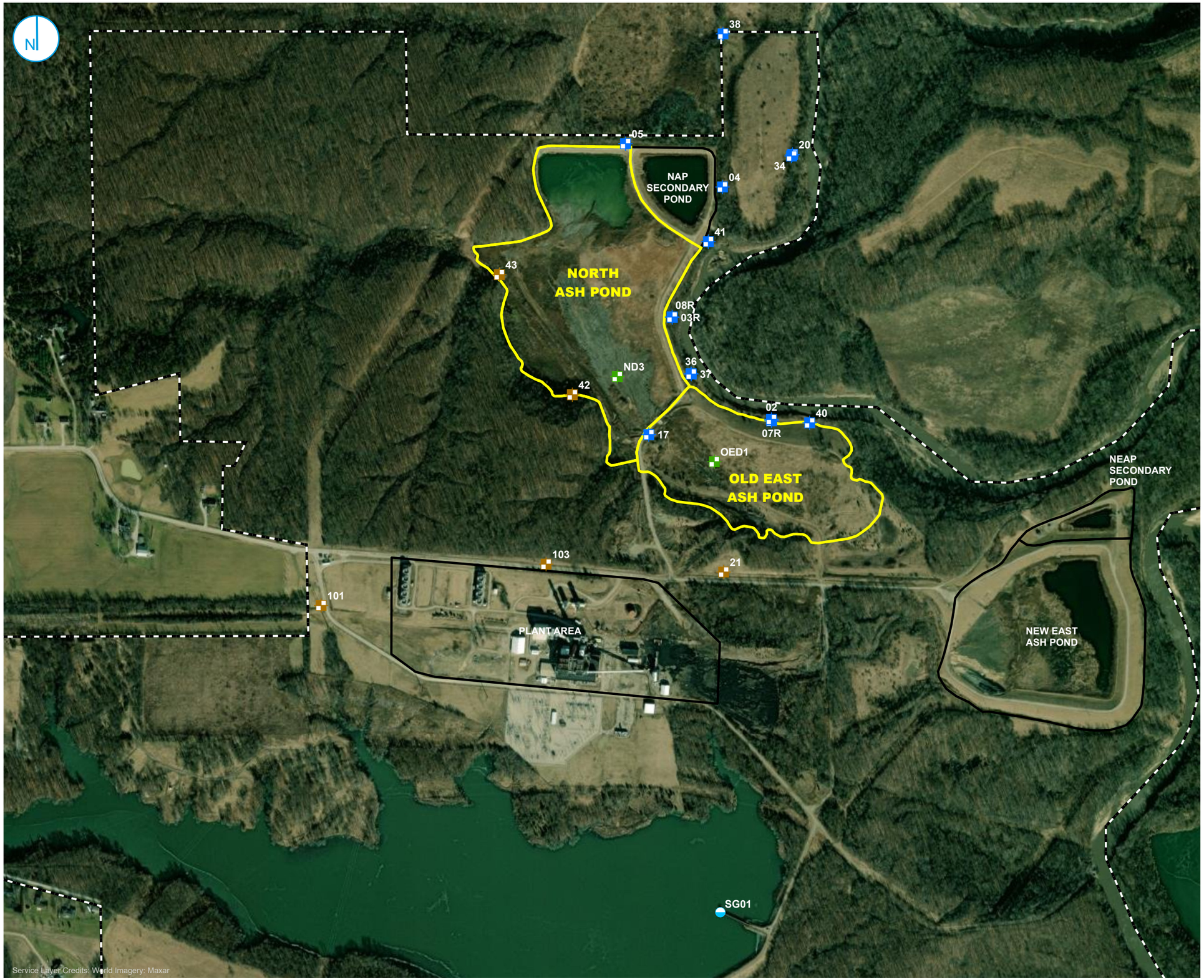
Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:

Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

Background = background concentration (see cover page for additional information)

# FIGURES




COMPLIANCE WELL
BACKGROUND WELL
SOURCE SAMPLE LOCATION
STAFF GAGE
REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
PROPERTY BOUNDARY

0 300 600 Feet

## MONITORING WELL LOCATION MAP

**NORTH ASH POND AND OLD EAST ASH POND**
VERMILION POWER PLANT
OAKWOOD, ILLINOIS

**FIGURE 1**

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\2285\MXD\845_Operating_Permit\Vermilion\NAP_OEA\GMP\gmp_aprx.aprx

PROJECT: 169000XXXX | DATED: 9/7/2023 | DESIGNER: egreaves

# ATTACHMENTS

# ATTACHMENT A
# SUMMARY OF GROUNDWATER ELEVATION DATA
# QUARTER 1, 2024

**ATTACHMENT A.**
**GROUNDWATER ELEVATION DATA - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Date | Depth to Groundwater (feet BMP) | Groundwater Elevation (feet NAVD88) |
|---|---|---|---|---|
| 02 | Compliance | 02/19/2024 | 18.65 | 575.39 |
| 03R | Compliance | 02/19/2024 | 7.79 | 580.64 |
| 04 | Compliance | 02/19/2024 | 7.05 | 584.01 |
| 05 | Compliance | 02/19/2024 | 7.15 | 588.67 |
| 07R | Compliance | 02/19/2024 | 16.10 | 578.57 |
| 08R | Compliance | 02/19/2024 | 13.29 | 576.74 |
| 17 | Compliance | 02/19/2024 | 39.17 | 584.19 |
| 20 | Compliance | 02/19/2024 | 13.62 | 578.82 |
| 21 | Background | 02/19/2024 | 91.82 | 581.06 |
| 34 | Compliance | 02/19/2024 | 14.05 | 578.57 |
| 36 | Compliance | 02/19/2024 | 14.19 | 575.94 |
| 37 | Compliance | 02/19/2024 | 7.90 | 581.98 |
| 38 | Compliance | 02/19/2024 | 3.35 | 588.48 |
| 40 | Compliance | 02/19/2024 | 14.61 | 577.79 |
| 41 | Compliance | 02/19/2024 | 5.95 | 581.39 |
| 42 | Background | 02/19/2024 | 25.40 | 583.17 |
| 43 | Background | 02/19/2024 | 16.29 | 591.72 |
| 101 | Background | 02/19/2024 | 108.96 | 597.88 |
| 103 | Background | 02/19/2024 | 139.60 | 580.95 |
| ND3 | Water Level | 02/19/2024 | 16.65 | 598.07 |
| OED1 | Water Level | 02/19/2024 | 42.80 | 587.78 |
| SG01 | Water Level | 02/19/2024 | 15.19 | 674.30 |

**Notes:**
BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988

# ATTACHMENT B
# LABORATORY REPORTS AND FIELD DATA SHEETS
# QUARTER 1, 2024

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brian Voelker
Vistra Energy Corp
133 S 4th, Suite 206
Springfield, Illinois 62701

Generated 04/12/24 10:41:12 Revision 1

## JOB DESCRIPTION

VER-24Q1
VER_845_910-911

## JOB NUMBER

500-246480-3

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.



my EOL

Eurofins Chicago

## 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 Chicago Project Manager.

## Authorization

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Revision 1

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**Job Narrative**
**500-246480-3**

**Revision**
The report being provided is a revision of the original report sent on 03/26/24. The report (revision 1) is being revised due to: Reporting Sample 500-246480-28 (VER_041) from lower dilution for Cobalt: 1x instead of 10x.

**Receipt**
The samples were received on 02/21/24 11:20. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 1.5º C, 2.5º C, 2.6º C, 2.7º C, 3.6º C, 3.9º C, 4.1º C, 4.1º C, 5.1º C and 5.3º C.

**Receipt Exceptions**
Received 7 bottles for sample 5, COC has 6. Received Rad bottles for sample 20, not marked on COC. VER_010 (500-246480-5) and VER_ND3 (500-246480-20)
VER_ND3 (Sample 20) not requesting Rad analysis on client SARs and confirmed via email, not logged for Rad.

**Metals**
Method 6020B: The method blank for preparation batch 500-757078 and analytical batch 500-758475 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The method blank for preparation batch 500-756958 and analytical batch 500-758475 contained Boron and Calcium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The initial low level calibration verification (ICVL) result for batch 500-758529 was above the upper control limit. The affected analyte is: Be. Sample results were below the reporting limit, and have been reported as qualified data.

Method 6020B: The instrument blank for analytical batch 500-758529 contained Boron greater than the reporting limit (RL), and were not reanalyzed because sample results are 10x the concentration found in the blank. The data have been qualified and reported.

Method 6020B: The continuing calibration verification (CCV) at lines 161 and 203 associated with batch 500-757459 recovered above the upper control limit for Antimony. The samples associated with these CCVs were non-detects for the affected analyte; therefore, the data have been reported.

Method 6020B: The continuing calibration blank (CCB) at lines 161 and 203 for analytical batch 500-757459 contained Antimony greater than the reporting limit (RL). The samples associated with these CCBs were non-detects for the affected analyte; therefore, the data have been reported.

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

**General Chemistry**
Method SM 2320B: The method blank for analytical batch 500-757067 contained Alkalinity and Bicarbonate Alkalinity as CaCO3 above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank. The following samples were affected:VER_002 (500-246480-1), VER_003R (500-246480-2), VER_003R_FD (500-246480-3), VER_008R (500-246480-4), VER_020 (500-246480-6), VER_021 (500-246480-7), VER_034 (500-246480-8), VER_036 (500-246480-9), VER_036_FD (500-246480-10), VER_037 (500-246480-11), VER_038 (500-246480-12), VER_042 (500-246480-15), VER_043 (500-246480-16), VER_043_FD (500-246480-17), VER_101& (500-246480-18), VER_103& (500-246480-19), VER_ND3 (500-246480-20), VER_004 (500-246480-22), VER_005 (500-246480-23), VER_007R (500-246480-24), VER_041 (500-246480-28), (500-246480-B-10 DU), (500-246480-B-15 DU), (500-246480-B-25) and (500-246480-B-25 DU)

Method SM 2320B: The method blank for analytical batch 500-757067 contained Alkalinity above the reporting limit (RL). The associated sample was re-analyzed outside of hold time with concurring results: VER_040_FD (500-246480-14) The original, in-hold data has been reported.

Method SM 2320B: The method blank for analytical batch 500-757067 contained Alkalinity and Bicarbonate Alkalinity as CaCO3 above the reporting limit (RL). The following sample was affected: VER_040 (500-246480-13)

## Job ID: 500-246480-3 (Continued)

**Eurofins Chicago**

Method 300.0: The method blank for analytical batch 500-757868 contained Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_002 — Lab Sample ID: 500-246480-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0025 | J | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.011 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.19 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.32 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 84 | B | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0018 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00036 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 36 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 3.0 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 84 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 47 | | 2.0 | 0.23 | mg/L | 2 | | 300.0 | Total/NA |
| Sulfate | 23 | | 2.0 | 0.41 | mg/L | 2 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 420 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 640 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.58 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 17.89 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.85 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 13.30 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -186.1 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 1.23 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 846 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 4.26 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_003R — Lab Sample ID: 500-246480-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.0077 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.31 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 26 | B | 2.5 | 0.64 | mg/L | 50 | | 6020B | Total Recoverable |
| Cadmium | 0.00051 | | 0.00050 | 0.00017 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 170 | B | 10 | 2.2 | mg/L | 50 | | 6020B | Total Recoverable |
| Chromium | 0.0020 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00075 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.0010 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 75 | | 10 | 2.5 | mg/L | 50 | | 6020B | Total Recoverable |
| Molybdenum | 0.33 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_003R (Continued) — Lab Sample ID: 500-246480-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Sodium | 110 | | 10 | 3.9 | mg/L | 50 | | 6020B | Total Recoverable |
| Mercury | 0.00011 | J | 0.00020 | 0.000079 | mg/L | 1 | | 7470A | Total/NA |
| Chloride | 25 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 550 | | 20 | 4.1 | mg/L | 20 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 310 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1300 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.46 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 7.85 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.39 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.5 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -150.1 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.15 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1368 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 108.61 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_003R_FD — Lab Sample ID: 500-246480-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.0073 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.32 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 28 | B | 2.5 | 0.64 | mg/L | 50 | | 6020B | Total Recoverable |
| Cadmium | 0.00038 | J | 0.00050 | 0.00017 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 170 | B | 10 | 2.2 | mg/L | 50 | | 6020B | Total Recoverable |
| Chromium | 0.0022 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00073 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00099 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 75 | | 10 | 2.5 | mg/L | 50 | | 6020B | Total Recoverable |
| Molybdenum | 0.34 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 110 | | 10 | 3.9 | mg/L | 50 | | 6020B | Total Recoverable |
| Chloride | 25 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 560 | | 20 | 4.1 | mg/L | 20 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 310 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1300 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.45 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 7.85 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.39 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.5 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -150.1 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.15 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1368 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 108.61 | | | | NTU | 1 | | Field Sampling | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_008R — Lab Sample ID: 500-246480-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.35 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.028 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.13 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 37 | B | 2.5 | 0.64 | mg/L | 50 | | 6020B | Total Recoverable |
| Calcium | 280 | B | 10 | 2.2 | mg/L | 50 | | 6020B | Total Recoverable |
| Cobalt | 0.00097 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 43 | | 10 | 2.5 | mg/L | 50 | | 6020B | Total Recoverable |
| Molybdenum | 0.17 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 20 | J | 25 | 5.6 | mg/L | 50 | | 6020B | Total Recoverable |
| Sodium | 42 | | 10 | 3.9 | mg/L | 50 | | 6020B | Total Recoverable |
| Mercury | 0.00012 | J | 0.00020 | 0.000079 | mg/L | 1 | | 7470A | Total/NA |
| Chloride | 6.1 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 790 | | 50 | 10 | mg/L | 50 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 150 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1300 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.056 | J | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 13.31 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.08 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 10.5 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -59.1 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | -0.07 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1358 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 5.35 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_020 — Lab Sample ID: 500-246480-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.021 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.00058 | J | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.023 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 1.7 | B | 0.50 | 0.13 | mg/L | 10 | | 6020B | Total Recoverable |
| Calcium | 110 | B | 2.0 | 0.44 | mg/L | 10 | | 6020B | Total Recoverable |
| Cobalt | 0.00069 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 43 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 0.87 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 11 | | 2.0 | 0.77 | mg/L | 10 | | 6020B | Total Recoverable |
| Chloride | 3.9 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_020 (Continued) — Lab Sample ID: 500-246480-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 88 | | 10 | 2.1 | mg/L | 10 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 330 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 530 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.079 | J | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 13.67 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.12 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 10.5 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -40.0 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 1.12 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 554 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 3.99 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_021 — Lab Sample ID: 500-246480-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0020 | J | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.055 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.14 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.57 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 150 | B | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0030 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00025 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 59 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.0041 | J | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 2.1 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 40 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 1.6 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 390 | | 20 | 4.1 | mg/L | 20 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 310 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 870 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.77 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 91.82 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.41 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.2 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -143.2 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.26 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 886 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 23.11 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_034 — Lab Sample ID: 500-246480-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0037 | J | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_034 (Continued) — Lab Sample ID: 500-246480-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.027 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.16 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.50 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 65 | B | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0036 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00087 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.0018 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 37 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 2.7 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 76 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 34 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 0.28 | J | 1.0 | 0.21 | mg/L | 1 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 440 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 530 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.64 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 14.09 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.16 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 11.5 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | 78.7 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.11 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 829 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 241.27 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_036 — Lab Sample ID: 500-246480-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.25 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0036 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.092 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 17 | B | 1.0 | 0.25 | mg/L | 20 | | 6020B | Total Recoverable |
| Calcium | 410 | B | 4.0 | 0.89 | mg/L | 20 | | 6020B | Total Recoverable |
| Chromium | 0.0013 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00056 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00020 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 65 | | 4.0 | 0.99 | mg/L | 20 | | 6020B | Total Recoverable |
| Molybdenum | 0.23 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_036 (Continued) — Lab Sample ID: 500-246480-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Potassium | 24 | | 10 | 2.2 | mg/L | 20 | | 6020B | Total Recoverable |
| Sodium | 35 | | 4.0 | 1.5 | mg/L | 20 | | 6020B | Total Recoverable |
| Chloride | 13 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 1100 | | 100 | 21 | mg/L | 100 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 140 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1900 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.24 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 14.21 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.33 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.1 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -119.0 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.22 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1761 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 12.99 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_036_FD — Lab Sample ID: 500-246480-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.25 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.012 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.11 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 16 | B | 1.0 | 0.25 | mg/L | 20 | | 6020B | Total Recoverable |
| Calcium | 400 | B | 4.0 | 0.89 | mg/L | 20 | | 6020B | Total Recoverable |
| Chromium | 0.0035 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.0014 | | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.0027 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 56 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.19 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 20 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 32 | | 4.0 | 1.5 | mg/L | 20 | | 6020B | Total Recoverable |
| Chloride | 13 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 1100 | | 100 | 21 | mg/L | 100 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 130 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1900 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.24 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 14.21 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.33 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.1 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -119.0 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.22 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1761 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_036_FD (Continued) — Lab Sample ID: 500-246480-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Turbidity | 12.99 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_037 — Lab Sample ID: 500-246480-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.042 | | 0.010 | 0.0023 | mg/L | 10 | | 6020B | Total Recoverable |
| Barium | 0.37 | | 0.025 | 0.0073 | mg/L | 10 | | 6020B | Total Recoverable |
| Boron | 2.0 | B | 0.50 | 0.13 | mg/L | 10 | | 6020B | Total Recoverable |
| Calcium | 130 | B | 2.0 | 0.44 | mg/L | 10 | | 6020B | Total Recoverable |
| Chromium | 0.017 | J | 0.050 | 0.011 | mg/L | 10 | | 6020B | Total Recoverable |
| Cobalt | 0.00083 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.0017 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 62 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 3.1 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 100 | | 2.0 | 0.77 | mg/L | 10 | | 6020B | Total Recoverable |
| Chloride | 44 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 310 | | 20 | 4.1 | mg/L | 20 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 380 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 930 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.55 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 7.96 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.08 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.6 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -171.7 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.25 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1238 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 98.54 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_038 — Lab Sample ID: 500-246480-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0020 | J | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.027 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.19 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.45 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 13 | B | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0032 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00061 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_038 (Continued) — Lab Sample ID: 500-246480-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lead | 0.0018 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 36 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 2.7 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 0.97 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 17 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 0.32 | J | 1.0 | 0.21 | mg/L | 1 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 490 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 570 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.36 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 3.51 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.10 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 11.6 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -151.2 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.03 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 753 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 44.36 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_040 — Lab Sample ID: 500-246480-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.78 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.020 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.028 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 24 | B | 2.5 | 0.64 | mg/L | 50 | | 6020B | Total Recoverable |
| Calcium | 640 | B | 10 | 2.2 | mg/L | 50 | | 6020B | Total Recoverable |
| Chromium | 0.0021 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.0075 | | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 190 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.056 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 43 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 49 | | 10 | 3.9 | mg/L | 50 | | 6020B | Total Recoverable |
| Chloride | 9.1 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 3300 | | 100 | 21 | mg/L | 100 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 26 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 5100 | | 25 | 11 | mg/L | 1 | | SM 2540C | Total/NA |
| Depth to Water (ft from MP) | 14.64 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 6.48 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.5 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -123.6 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.20 | | | | mg/L | 1 | | Field Sampling | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_040 (Continued) — Lab Sample ID: 500-246480-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | 3787 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 215.73 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_040_FD — Lab Sample ID: 500-246480-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.75 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.022 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.029 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 12 | ^2 | 0.50 | 0.13 | mg/L | 10 | | 6020B | Total Recoverable |
| Calcium | 630 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0025 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.0067 | | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 180 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.054 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 43 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 42 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 9.2 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 3300 | | 100 | 21 | mg/L | 100 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 14 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 5200 | | 25 | 11 | mg/L | 1 | | SM 2540C | Total/NA |
| Depth to Water (ft from MP) | 14.64 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 6.48 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.5 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -123.6 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.20 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 3787 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 215.73 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_042 — Lab Sample ID: 500-246480-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0024 | J | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.030 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.16 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.71 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 97 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0031 | J B | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_042 (Continued) — Lab Sample ID: 500-246480-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Cobalt | 0.00060 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00081 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 51 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 2.7 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 56 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 15 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 96 | | 5.0 | 1.0 | mg/L | 5 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 470 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 590 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.55 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 25.71 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.51 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 10.5 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -156.0 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 1.25 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 802 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 82 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_043 — Lab Sample ID: 500-246480-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.012 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.011 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.47 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.30 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 8.1 | B | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0025 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00063 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.0010 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 78 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 8.1 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 59 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 59 | | 5.0 | 0.58 | mg/L | 5 | | 300.0 | Total/NA |
| Sulfate | 250 | | 5.0 | 1.0 | mg/L | 5 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 500 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1000 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.42 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 16.38 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.10 | | | | SU | 1 | | Field Sampling | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_043 (Continued) — Lab Sample ID: 500-246480-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Field Temperature | 11.1 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -128.9 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.16 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1253 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 51.99 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_043_FD — Lab Sample ID: 500-246480-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.013 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0074 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.44 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.91 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 130 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0016 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.0011 | | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.0011 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 71 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 7.2 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 110 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 56 | | 5.0 | 0.58 | mg/L | 5 | | 300.0 | Total/NA |
| Sulfate | 260 | | 10 | 2.1 | mg/L | 10 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 520 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 950 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.43 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 16.38 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.10 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 11.1 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -128.9 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.16 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1253 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 51.99 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_101& — Lab Sample ID: 500-246480-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.019 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.047 | | 0.010 | 0.0023 | mg/L | 10 | | 6020B | Total Recoverable |
| Barium | 0.11 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 2.3 | B | 0.50 | 0.13 | mg/L | 10 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_101& (Continued) — Lab Sample ID: 500-246480-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | 74 | | 2.0 | 0.44 | mg/L | 10 | | 6020B | Total Recoverable |
| Chromium | 0.0013 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00046 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00050 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 39 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 3.1 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 130 | | 2.0 | 0.77 | mg/L | 10 | | 6020B | Total Recoverable |
| Chloride | 26 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 100 | | 10 | 2.1 | mg/L | 10 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 450 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 640 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.75 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 109.00 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.42 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 13.00 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -152.1 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.14 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 911 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 22.7 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_103& — Lab Sample ID: 500-246480-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.057 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0018 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.017 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.29 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 210 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.0026 | | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00031 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 240 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.0055 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 2.0 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 24 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 4.8 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 1200 | | 100 | 21 | mg/L | 100 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 340 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 2000 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_103& (Continued) — Lab Sample ID: 500-246480-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.23 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 130.23 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.00 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 13.1 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | 85.2 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 5.8 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1732 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 39.51 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_ND3 — Lab Sample ID: 500-246480-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.47 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Antimony | 0.011 | | 0.0030 | 0.0013 | mg/L | 1 | | 6020B | Total Recoverable |
| Arsenic | 0.12 | | 0.020 | 0.0046 | mg/L | 20 | | 6020B | Total Recoverable |
| Barium | 0.025 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 28 | B | 1.0 | 0.25 | mg/L | 20 | | 6020B | Total Recoverable |
| Calcium | 330 | | 4.0 | 0.89 | mg/L | 20 | | 6020B | Total Recoverable |
| Chromium | 0.0021 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00043 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.0034 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 56 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.22 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 36 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Selenium | 0.036 | J | 0.050 | 0.020 | mg/L | 20 | | 6020B | Total Recoverable |
| Sodium | 34 | | 4.0 | 1.5 | mg/L | 20 | | 6020B | Total Recoverable |
| Thallium | 0.0027 | | 0.0020 | 0.00057 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 6.5 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 1100 | | 100 | 21 | mg/L | 100 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 93 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1700 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.14 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 16.64 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 8.25 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 13.0 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | 0.93 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.93 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1586 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 73.25 | | | | NTU | 1 | | Field Sampling | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_004 — Lab Sample ID: 500-246480-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.040 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0066 | J | 0.010 | 0.0023 | mg/L | 10 | | 6020B | Total Recoverable |
| Barium | 0.22 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 7.5 | B | 0.50 | 0.13 | mg/L | 10 | | 6020B | Total Recoverable |
| Calcium | 72 | | 2.0 | 0.44 | mg/L | 10 | | 6020B | Total Recoverable |
| Cobalt | 0.00056 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 29 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.034 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 6.0 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 25 | | 2.0 | 0.77 | mg/L | 10 | | 6020B | Total Recoverable |
| Chloride | 9.1 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 36 | | 1.0 | 0.21 | mg/L | 1 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 270 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 350 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.30 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 7.02 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.75 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 9.7 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -162.4 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.09 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 451.1 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 4.08 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_005 — Lab Sample ID: 500-246480-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.080 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Barium | 0.023 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 20 | B | 1.0 | 0.25 | mg/L | 20 | | 6020B | Total Recoverable |
| Calcium | 98 | | 4.0 | 0.89 | mg/L | 20 | | 6020B | Total Recoverable |
| Cobalt | 0.00068 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 21 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.038 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 8.4 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 24 | | 4.0 | 1.5 | mg/L | 20 | | 6020B | Total Recoverable |
| Chloride | 6.5 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 240 | | 10 | 2.1 | mg/L | 10 | | 300.0 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_005 (Continued) — Lab Sample ID: 500-246480-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Bicarbonate Alkalinity as CaCO3 | 140 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 540 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.67 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 7.13 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.59 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 11.0 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -6.9 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.04 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 553 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 3.18 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_007R — Lab Sample ID: 500-246480-24

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.56 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0036 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.021 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 47 | B | 2.5 | 0.64 | mg/L | 50 | | 6020B | Total Recoverable |
| Calcium | 760 | | 10 | 2.2 | mg/L | 50 | | 6020B | Total Recoverable |
| Cobalt | 0.00043 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 28 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.32 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 55 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Selenium | 0.0054 | B | 0.0025 | 0.00098 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 44 | | 10 | 3.9 | mg/L | 50 | | 6020B | Total Recoverable |
| Chloride | 4.1 | | 1.0 | 0.12 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 2000 | | 100 | 21 | mg/L | 100 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 76 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 3000 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.091 | J | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 16.11 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.68 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.6 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -141.1 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.87 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 2551 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 131.63 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_041 — Lab Sample ID: 500-246480-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.013 | | 0.010 | 0.0023 | mg/L | 10 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_041 (Continued) — Lab Sample ID: 500-246480-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 0.26 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 3.5 | B | 0.50 | 0.13 | mg/L | 10 | | 6020B | Total Recoverable |
| Calcium | 92 | | 2.0 | 0.44 | mg/L | 10 | | 6020B | Total Recoverable |
| Chromium | 0.0012 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00034 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 43 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 3.3 | J | 5.0 | 1.1 | mg/L | 10 | | 6020B | Total Recoverable |
| Sodium | 110 | | 2.0 | 0.77 | mg/L | 10 | | 6020B | Total Recoverable |
| Chloride | 49 | B | 5.0 | 0.58 | mg/L | 5 | | 300.0 | Total/NA |
| Sulfate | 0.21 | J | 1.0 | 0.21 | mg/L | 1 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 550 | B | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 650 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.41 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 5.87 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.24 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.6 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -156.5 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | -0.24 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1039 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 27.12 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: VER_YSG01 — Lab Sample ID: 500-246480-34

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 15.19 | | | | ft | 1 | | Field Sampling | Total/NA |

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 200.7 Rev 4.4 | Metals (ICP) | EPA | EET CHI |
| 6020B | Metals (ICP/MS) | SW846 | EET CHI |
| 7470A | Mercury (CVAA) | SW846 | EET CHI |
| 300.0 | Anions, Ion Chromatography | EPA | EET CHI |
| SM 2320B | Alkalinity | SM | EET CHI |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | EET CHI |
| SM 4500 F C | Fluoride | SM | EET CHI |
| Field Sampling | Field Sampling | EPA | EET CHI |
| 200.7 | Preparation, Total Recoverable Metals | EPA | EET CHI |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | EET CHI |
| 7470A | Preparation, Mercury | SW846 | EET CHI |

**Protocol References:**

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

**Laboratory References:**

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 500-246480-1 | VER_002 | Water | 02/20/24 12:20 | 02/21/24 11:20 |
| 500-246480-2 | VER_003R | Water | 02/20/24 16:40 | 02/21/24 11:20 |
| 500-246480-3 | VER_003R_FD | Water | 02/20/24 16:40 | 02/21/24 11:20 |
| 500-246480-4 | VER_008R | Water | 02/20/24 17:25 | 02/21/24 11:20 |
| 500-246480-6 | VER_020 | Water | 02/20/24 09:25 | 02/21/24 11:20 |
| 500-246480-7 | VER_021 | Water | 02/20/24 16:30 | 02/21/24 11:20 |
| 500-246480-8 | VER_034 | Water | 02/20/24 09:35 | 02/21/24 11:20 |
| 500-246480-9 | VER_036 | Water | 02/20/24 15:15 | 02/21/24 11:20 |
| 500-246480-10 | VER_036_FD | Water | 02/20/24 15:15 | 02/21/24 11:20 |
| 500-246480-11 | VER_037 | Water | 02/20/24 14:35 | 02/21/24 11:20 |
| 500-246480-12 | VER_038 | Water | 02/20/24 10:30 | 02/21/24 11:20 |
| 500-246480-13 | VER_040 | Water | 02/20/24 11:20 | 02/21/24 11:20 |
| 500-246480-14 | VER_040_FD | Water | 02/20/24 11:20 | 02/21/24 11:20 |
| 500-246480-15 | VER_042 | Water | 02/20/24 12:17 | 02/21/24 11:20 |
| 500-246480-16 | VER_043 | Water | 02/20/24 11:30 | 02/21/24 11:20 |
| 500-246480-17 | VER_043_FD | Water | 02/20/24 11:30 | 02/21/24 11:20 |
| 500-246480-18 | VER_101& | Water | 02/20/24 13:45 | 02/21/24 11:20 |
| 500-246480-19 | VER_103& | Water | 02/20/24 15:15 | 02/21/24 11:20 |
| 500-246480-20 | VER_ND3 | Water | 02/20/24 13:40 | 02/21/24 11:20 |
| 500-246480-22 | VER_004 | Water | 02/21/24 08:45 | 02/22/24 11:18 |
| 500-246480-23 | VER_005 | Water | 02/21/24 09:40 | 02/22/24 11:18 |
| 500-246480-24 | VER_007R | Water | 02/21/24 11:20 | 02/22/24 11:18 |
| 500-246480-28 | VER_041 | Water | 02/21/24 12:05 | 02/22/24 11:18 |
| 500-246480-34 | VER_YSG01 | Water | 02/19/24 14:20 | 02/21/24 11:20 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_002

**Date Collected: 02/20/24 12:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-1

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0025 | J | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 20:55 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/14/24 17:30 | 1 |
| Arsenic | 0.011 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 17:30 | 1 |
| Barium | 0.19 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 17:30 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/14/24 17:30 | 1 |
| Boron | 0.32 | B | 0.050 | 0.013 | mg/L | | 03/05/24 17:38 | 03/14/24 17:30 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 17:30 | 1 |
| Calcium | 84 | B | 0.20 | 0.044 | mg/L | | 03/05/24 17:38 | 03/14/24 17:30 | 1 |
| Chromium | 0.0018 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 17:30 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/14/24 17:30 | 1 |
| Lead | 0.00036 | J | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 00:30 | 1 |
| Magnesium | 36 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/14/24 17:30 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 00:30 | 1 |
| Potassium | 3.0 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/14/24 17:30 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/11/24 17:30 | 1 |
| Sodium | 84 | | 0.20 | 0.077 | mg/L | | 03/05/24 17:38 | 03/14/24 17:30 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 00:30 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 07:16 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 47 | | 2.0 | 0.23 | mg/L | | | 03/02/24 14:18 | 2 |
| Sulfate (EPA 300.0) | 23 | | 2.0 | 0.41 | mg/L | | | 03/02/24 14:18 | 2 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 420 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 15:56 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 15:56 | 1 |
| Total Dissolved Solids (SM 2540C) | 640 | | 10 | 4.3 | mg/L | | | 02/23/24 00:09 | 1 |
| Fluoride (SM 4500 F C) | 0.58 | | 0.10 | 0.056 | mg/L | | | 03/07/24 15:13 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 17.89 | | | | ft | | | 02/20/24 12:20 | 1 |
| Field pH | 7.85 | | | | SU | | | 02/20/24 12:20 | 1 |
| Field Temperature | 13.30 | | | | Degrees C | | | 02/20/24 12:20 | 1 |
| Oxidation Reduction Potential | -186.1 | | | | millivolts | | | 02/20/24 12:20 | 1 |
| Oxygen, Dissolved | 1.23 | | | | mg/L | | | 02/20/24 12:20 | 1 |
| Specific Conductance | 846 | | | | umhos/cm | | | 02/20/24 12:20 | 1 |
| Turbidity | 4.26 | | | | NTU | | | 02/20/24 12:20 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_003R

**Date Collected: 02/20/24 16:40**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-2

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 20:59 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 17:34 | 1 |
| **Arsenic** | **0.0077** | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 17:34 | 1 |
| **Barium** | **0.31** | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 17:34 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 12:43 | 1 |
| **Boron** | **26** | **B** | 2.5 | 0.64 | mg/L | | 03/05/24 17:38 | 03/14/24 17:33 | 50 |
| **Cadmium** | **0.00051** | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 17:34 | 1 |
| **Calcium** | **170** | **B** | 10 | 2.2 | mg/L | | 03/05/24 17:38 | 03/14/24 17:33 | 50 |
| **Chromium** | **0.0020** | **J** | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 17:34 | 1 |
| **Cobalt** | **0.00075** | **J** | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/15/24 12:43 | 1 |
| **Lead** | **0.0010** | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 00:34 | 1 |
| **Magnesium** | **75** | | 10 | 2.5 | mg/L | | 03/05/24 17:38 | 03/14/24 17:33 | 50 |
| **Molybdenum** | **0.33** | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 00:34 | 1 |
| Potassium | <25 | | 25 | 5.6 | mg/L | | 03/05/24 17:38 | 03/14/24 17:33 | 50 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/11/24 17:34 | 1 |
| **Sodium** | **110** | | 10 | 3.9 | mg/L | | 03/05/24 17:38 | 03/14/24 17:33 | 50 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 00:34 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Mercury** | **0.00011** | **J** | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 07:18 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **25** | | 1.0 | 0.12 | mg/L | | | 03/02/24 14:33 | 1 |
| **Sulfate (EPA 300.0)** | **550** | | 20 | 4.1 | mg/L | | | 03/05/24 20:29 | 20 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **310** | **B** | 5.0 | 3.7 | mg/L | | | 03/05/24 16:09 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 16:09 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **1300** | | 10 | 4.3 | mg/L | | | 02/23/24 00:12 | 1 |
| **Fluoride (SM 4500 F C)** | **0.46** | | 0.10 | 0.056 | mg/L | | | 03/07/24 15:19 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **7.85** | | | | ft | | | 02/20/24 16:40 | 1 |
| **Field pH** | **7.39** | | | | SU | | | 02/20/24 16:40 | 1 |
| **Field Temperature** | **12.5** | | | | Degrees C | | | 02/20/24 16:40 | 1 |
| **Oxidation Reduction Potential** | **-150.1** | | | | millivolts | | | 02/20/24 16:40 | 1 |
| **Oxygen, Dissolved** | **0.15** | | | | mg/L | | | 02/20/24 16:40 | 1 |
| **Specific Conductance** | **1368** | | | | umhos/cm | | | 02/20/24 16:40 | 1 |
| **Turbidity** | **108.61** | | | | NTU | | | 02/20/24 16:40 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_003R_FD

**Date Collected: 02/20/24 16:40**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-3

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 21:03 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 17:40 | 1 |
| **Arsenic** | **0.0073** | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 17:40 | 1 |
| **Barium** | **0.32** | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 17:40 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 12:47 | 1 |
| **Boron** | **28** | **B** | 2.5 | 0.64 | mg/L | | 03/05/24 17:38 | 03/14/24 17:37 | 50 |
| **Cadmium** | **0.00038** | **J** | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 17:40 | 1 |
| **Calcium** | **170** | **B** | 10 | 2.2 | mg/L | | 03/05/24 17:38 | 03/14/24 17:37 | 50 |
| **Chromium** | **0.0022** | **J** | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 17:40 | 1 |
| **Cobalt** | **0.00073** | **J** | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/15/24 12:47 | 1 |
| **Lead** | **0.00099** | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 00:37 | 1 |
| **Magnesium** | **75** | | 10 | 2.5 | mg/L | | 03/05/24 17:38 | 03/14/24 17:37 | 50 |
| **Molybdenum** | **0.34** | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 00:37 | 1 |
| Potassium | <25 | | 25 | 5.6 | mg/L | | 03/05/24 17:38 | 03/14/24 17:37 | 50 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/11/24 17:40 | 1 |
| **Sodium** | **110** | | 10 | 3.9 | mg/L | | 03/05/24 17:38 | 03/14/24 17:37 | 50 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 00:37 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 07:20 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **25** | | 1.0 | 0.12 | mg/L | | | 03/02/24 14:48 | 1 |
| **Sulfate (EPA 300.0)** | **560** | | 20 | 4.1 | mg/L | | | 03/05/24 20:14 | 20 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **310** | **B** | 5.0 | 3.7 | mg/L | | | 03/05/24 16:18 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 16:18 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **1300** | | 10 | 4.3 | mg/L | | | 02/23/24 00:14 | 1 |
| **Fluoride (SM 4500 F C)** | **0.45** | | 0.10 | 0.056 | mg/L | | | 03/07/24 15:24 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **7.85** | | | | ft | | | 02/20/24 16:40 | 1 |
| **Field pH** | **7.39** | | | | SU | | | 02/20/24 16:40 | 1 |
| **Field Temperature** | **12.5** | | | | Degrees C | | | 02/20/24 16:40 | 1 |
| **Oxidation Reduction Potential** | **-150.1** | | | | millivolts | | | 02/20/24 16:40 | 1 |
| **Oxygen, Dissolved** | **0.15** | | | | mg/L | | | 02/20/24 16:40 | 1 |
| **Specific Conductance** | **1368** | | | | umhos/cm | | | 02/20/24 16:40 | 1 |
| **Turbidity** | **108.61** | | | | NTU | | | 02/20/24 16:40 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_008R

**Date Collected: 02/20/24 17:25**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-4

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.35 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 21:08 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 17:47 | 1 |
| Arsenic | 0.028 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 17:47 | 1 |
| Barium | 0.13 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 17:47 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 12:50 | 1 |
| Boron | 37 | B | 2.5 | 0.64 | mg/L | | 03/05/24 17:38 | 03/14/24 17:40 | 50 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 17:47 | 1 |
| Calcium | 280 | B | 10 | 2.2 | mg/L | | 03/05/24 17:38 | 03/14/24 17:40 | 50 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 17:47 | 1 |
| Cobalt | 0.00097 | J | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/15/24 12:50 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 00:41 | 1 |
| Magnesium | 43 | | 10 | 2.5 | mg/L | | 03/05/24 17:38 | 03/14/24 17:40 | 50 |
| Molybdenum | 0.17 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 00:41 | 1 |
| Potassium | 20 | J | 25 | 5.6 | mg/L | | 03/05/24 17:38 | 03/14/24 17:40 | 50 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/11/24 17:47 | 1 |
| Sodium | 42 | | 10 | 3.9 | mg/L | | 03/05/24 17:38 | 03/14/24 17:40 | 50 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 00:41 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.00012 | J | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 07:23 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 6.1 | | 1.0 | 0.12 | mg/L | | | 03/02/24 15:03 | 1 |
| Sulfate (EPA 300.0) | 790 | | 50 | 10 | mg/L | | | 03/02/24 15:19 | 50 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 150 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 16:28 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 16:28 | 1 |
| Total Dissolved Solids (SM 2540C) | 1300 | | 10 | 4.3 | mg/L | | | 02/23/24 00:17 | 1 |
| Fluoride (SM 4500 F C) | 0.056 | J | 0.10 | 0.056 | mg/L | | | 03/07/24 15:28 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 13.31 | | | | ft | | | 02/20/24 17:25 | 1 |
| Field pH | 7.08 | | | | SU | | | 02/20/24 17:25 | 1 |
| Field Temperature | 10.5 | | | | Degrees C | | | 02/20/24 17:25 | 1 |
| Oxidation Reduction Potential | -59.1 | | | | millivolts | | | 02/20/24 17:25 | 1 |
| Oxygen, Dissolved | -0.07 | | | | mg/L | | | 02/20/24 17:25 | 1 |
| Specific Conductance | 1358 | | | | umhos/cm | | | 02/20/24 17:25 | 1 |
| Turbidity | 5.35 | | | | NTU | | | 02/20/24 17:25 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_020

**Date Collected: 02/20/24 09:25**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-6

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.021 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 21:16 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 18:11 | 1 |
| Arsenic | 0.00058 | J | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 18:11 | 1 |
| Barium | 0.023 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 18:11 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 12:54 | 1 |
| Boron | 1.7 | B | 0.50 | 0.13 | mg/L | | 03/05/24 17:38 | 03/14/24 17:50 | 10 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 18:11 | 1 |
| Calcium | 110 | B | 2.0 | 0.44 | mg/L | | 03/05/24 17:38 | 03/14/24 17:50 | 10 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 18:11 | 1 |
| Cobalt | 0.00069 | J | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 18:11 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 00:51 | 1 |
| Magnesium | 43 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/08/24 00:51 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 00:51 | 1 |
| Potassium | 0.87 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/08/24 00:51 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/11/24 18:11 | 1 |
| Sodium | 11 | | 2.0 | 0.77 | mg/L | | 03/05/24 17:38 | 03/14/24 17:50 | 10 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 00:51 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 07:27 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 3.9 | | 1.0 | 0.12 | mg/L | | | 03/02/24 16:34 | 1 |
| Sulfate (EPA 300.0) | 88 | | 10 | 2.1 | mg/L | | | 03/02/24 16:49 | 10 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 330 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 16:47 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 16:47 | 1 |
| Total Dissolved Solids (SM 2540C) | 530 | | 10 | 4.3 | mg/L | | | 02/23/24 00:22 | 1 |
| Fluoride (SM 4500 F C) | 0.079 | J | 0.10 | 0.056 | mg/L | | | 03/07/24 15:38 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 13.67 | | | | ft | | | 02/20/24 09:25 | 1 |
| Field pH | 7.12 | | | | SU | | | 02/20/24 09:25 | 1 |
| Field Temperature | 10.5 | | | | Degrees C | | | 02/20/24 09:25 | 1 |
| Oxidation Reduction Potential | -40.0 | | | | millivolts | | | 02/20/24 09:25 | 1 |
| Oxygen, Dissolved | 1.12 | | | | mg/L | | | 02/20/24 09:25 | 1 |
| Specific Conductance | 554 | | | | umhos/cm | | | 02/20/24 09:25 | 1 |
| Turbidity | 3.99 | | | | NTU | | | 02/20/24 09:25 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_021

**Date Collected: 02/20/24 16:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-7

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0020 | J | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 21:46 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 18:52 | 1 |
| Arsenic | 0.055 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 18:52 | 1 |
| Barium | 0.14 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 18:52 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/14/24 18:14 | 1 |
| Boron | 0.57 | B | 0.050 | 0.013 | mg/L | | 03/05/24 17:38 | 03/14/24 18:14 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 18:52 | 1 |
| Calcium | 150 | B | 0.20 | 0.044 | mg/L | | 03/05/24 17:38 | 03/14/24 18:14 | 1 |
| Chromium | 0.0030 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 18:52 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 18:52 | 1 |
| Lead | 0.00025 | J | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:15 | 1 |
| Magnesium | 59 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/14/24 18:14 | 1 |
| Molybdenum | 0.0041 | J | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:15 | 1 |
| Potassium | 2.1 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/14/24 18:14 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/14/24 18:14 | 1 |
| Sodium | 40 | | 0.20 | 0.077 | mg/L | | 03/05/24 17:38 | 03/14/24 18:14 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:15 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 07:54 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 1.6 | | 1.0 | 0.12 | mg/L | | | 03/02/24 18:05 | 1 |
| Sulfate (EPA 300.0) | 390 | | 20 | 4.1 | mg/L | | | 03/06/24 07:54 | 20 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 310 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 16:56 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 16:56 | 1 |
| Total Dissolved Solids (SM 2540C) | 870 | | 10 | 4.3 | mg/L | | | 02/23/24 00:30 | 1 |
| Fluoride (SM 4500 F C) | 0.77 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:04 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 91.82 | | | | ft | | | 02/20/24 16:30 | 1 |
| Field pH | 7.41 | | | | SU | | | 02/20/24 16:30 | 1 |
| Field Temperature | 12.2 | | | | Degrees C | | | 02/20/24 16:30 | 1 |
| Oxidation Reduction Potential | -143.2 | | | | millivolts | | | 02/20/24 16:30 | 1 |
| Oxygen, Dissolved | 0.26 | | | | mg/L | | | 02/20/24 16:30 | 1 |
| Specific Conductance | 886 | | | | umhos/cm | | | 02/20/24 16:30 | 1 |
| Turbidity | 23.11 | | | | NTU | | | 02/20/24 16:30 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_034

**Date Collected: 02/20/24 09:35**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-8

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0037 | J | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 21:51 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 18:56 | 1 |
| Arsenic | 0.027 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 18:56 | 1 |
| Barium | 0.16 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 18:56 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/14/24 18:18 | 1 |
| Boron | 0.50 | B | 0.050 | 0.013 | mg/L | | 03/05/24 17:38 | 03/14/24 18:18 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 18:56 | 1 |
| Calcium | 65 | B | 0.20 | 0.044 | mg/L | | 03/05/24 17:38 | 03/14/24 18:18 | 1 |
| Chromium | 0.0036 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 18:56 | 1 |
| Cobalt | 0.00087 | J | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 18:56 | 1 |
| Lead | 0.0018 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:19 | 1 |
| Magnesium | 37 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/14/24 18:18 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:19 | 1 |
| Potassium | 2.7 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/14/24 18:18 | 1 |
| Selenium | <0.0025 | ^+ | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/11/24 18:56 | 1 |
| Sodium | 76 | | 0.20 | 0.077 | mg/L | | 03/05/24 17:38 | 03/14/24 18:18 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:19 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 08:10 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 34 | | 1.0 | 0.12 | mg/L | | | 03/02/24 18:20 | 1 |
| Sulfate (EPA 300.0) | 0.28 | J | 1.0 | 0.21 | mg/L | | | 03/02/24 18:20 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 440 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 17:06 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 17:06 | 1 |
| Total Dissolved Solids (SM 2540C) | 530 | | 10 | 4.3 | mg/L | | | 02/23/24 00:35 | 1 |
| Fluoride (SM 4500 F C) | 0.64 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:09 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 14.09 | | | | ft | | | 02/20/24 09:35 | 1 |
| Field pH | 7.16 | | | | SU | | | 02/20/24 09:35 | 1 |
| Field Temperature | 11.5 | | | | Degrees C | | | 02/20/24 09:35 | 1 |
| Oxidation Reduction Potential | 78.7 | | | | millivolts | | | 02/20/24 09:35 | 1 |
| Oxygen, Dissolved | 0.11 | | | | mg/L | | | 02/20/24 09:35 | 1 |
| Specific Conductance | 829 | | | | umhos/cm | | | 02/20/24 09:35 | 1 |
| Turbidity | 241.27 | | | | NTU | | | 02/20/24 09:35 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_036

**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-9

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.25 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 21:55 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 18:59 | 1 |
| Arsenic | 0.0036 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 18:59 | 1 |
| Barium | 0.092 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 18:59 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 13:12 | 1 |
| Boron | 17 | B | 1.0 | 0.25 | mg/L | | 03/05/24 17:38 | 03/14/24 18:21 | 20 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 18:59 | 1 |
| Calcium | 410 | B | 4.0 | 0.89 | mg/L | | 03/05/24 17:38 | 03/14/24 18:21 | 20 |
| Chromium | 0.0013 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 18:59 | 1 |
| Cobalt | 0.00056 | J | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 18:59 | 1 |
| Lead | 0.00020 | J | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:22 | 1 |
| Magnesium | 65 | | 4.0 | 0.99 | mg/L | | 03/05/24 17:38 | 03/14/24 18:21 | 20 |
| Molybdenum | 0.23 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:22 | 1 |
| Potassium | 24 | | 10 | 2.2 | mg/L | | 03/05/24 17:38 | 03/14/24 18:21 | 20 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/15/24 13:12 | 1 |
| Sodium | 35 | | 4.0 | 1.5 | mg/L | | 03/05/24 17:38 | 03/14/24 18:21 | 20 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:22 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 08:12 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 13 | | 1.0 | 0.12 | mg/L | | | 03/02/24 18:36 | 1 |
| Sulfate (EPA 300.0) | 1100 | | 100 | 21 | mg/L | | | 03/02/24 18:51 | 100 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 140 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 17:16 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 17:16 | 1 |
| Total Dissolved Solids (SM 2540C) | 1900 | | 10 | 4.3 | mg/L | | | 02/23/24 00:37 | 1 |
| Fluoride (SM 4500 F C) | 0.24 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:14 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 14.21 | | | | ft | | | 02/20/24 15:15 | 1 |
| Field pH | 7.33 | | | | SU | | | 02/20/24 15:15 | 1 |
| Field Temperature | 12.1 | | | | Degrees C | | | 02/20/24 15:15 | 1 |
| Oxidation Reduction Potential | -119.0 | | | | millivolts | | | 02/20/24 15:15 | 1 |
| Oxygen, Dissolved | 0.22 | | | | mg/L | | | 02/20/24 15:15 | 1 |
| Specific Conductance | 1761 | | | | umhos/cm | | | 02/20/24 15:15 | 1 |
| Turbidity | 12.99 | | | | NTU | | | 02/20/24 15:15 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_036_FD

**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-10

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.25 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 21:59 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 19:06 | 1 |
| Arsenic | 0.012 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 19:06 | 1 |
| Barium | 0.11 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 19:06 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 13:16 | 1 |
| Boron | 16 | B | 1.0 | 0.25 | mg/L | | 03/05/24 17:38 | 03/14/24 18:25 | 20 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 19:06 | 1 |
| Calcium | 400 | B | 4.0 | 0.89 | mg/L | | 03/05/24 17:38 | 03/14/24 18:25 | 20 |
| Chromium | 0.0035 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 19:06 | 1 |
| Cobalt | 0.0014 | | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 19:06 | 1 |
| Lead | 0.0027 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:26 | 1 |
| Magnesium | 56 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/08/24 01:26 | 1 |
| Molybdenum | 0.19 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:26 | 1 |
| Potassium | 20 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/08/24 01:26 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/15/24 13:16 | 1 |
| Sodium | 32 | | 4.0 | 1.5 | mg/L | | 03/05/24 17:38 | 03/14/24 18:25 | 20 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:26 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 08:14 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 13 | | 1.0 | 0.12 | mg/L | | | 03/02/24 19:36 | 1 |
| Sulfate (EPA 300.0) | 1100 | | 100 | 21 | mg/L | | | 03/02/24 19:51 | 100 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 130 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 17:24 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 17:24 | 1 |
| Total Dissolved Solids (SM 2540C) | 1900 | | 10 | 4.3 | mg/L | | | 02/23/24 00:40 | 1 |
| Fluoride (SM 4500 F C) | 0.24 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:19 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 14.21 | | | | ft | | | 02/20/24 15:15 | 1 |
| Field pH | 7.33 | | | | SU | | | 02/20/24 15:15 | 1 |
| Field Temperature | 12.1 | | | | Degrees C | | | 02/20/24 15:15 | 1 |
| Oxidation Reduction Potential | -119.0 | | | | millivolts | | | 02/20/24 15:15 | 1 |
| Oxygen, Dissolved | 0.22 | | | | mg/L | | | 02/20/24 15:15 | 1 |
| Specific Conductance | 1761 | | | | umhos/cm | | | 02/20/24 15:15 | 1 |
| Turbidity | 12.99 | | | | NTU | | | 02/20/24 15:15 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_037

**Date Collected: 02/20/24 14:35**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-11

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 22:04 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | ^+ | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/08/24 01:29 | 1 |
| **Arsenic** | **0.042** | | 0.010 | 0.0023 | mg/L | | 03/05/24 17:38 | 03/11/24 19:13 | 10 |
| **Barium** | **0.37** | | 0.025 | 0.0073 | mg/L | | 03/05/24 17:38 | 03/11/24 19:13 | 10 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 13:26 | 1 |
| **Boron** | **2.0** | **B** | 0.50 | 0.13 | mg/L | | 03/05/24 17:38 | 03/14/24 18:28 | 10 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/15/24 13:26 | 1 |
| **Calcium** | **130** | **B** | 2.0 | 0.44 | mg/L | | 03/05/24 17:38 | 03/14/24 18:28 | 10 |
| **Chromium** | **0.017** | **J** | 0.050 | 0.011 | mg/L | | 03/05/24 17:38 | 03/11/24 19:13 | 10 |
| **Cobalt** | **0.00083** | **J** | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/15/24 13:26 | 1 |
| **Lead** | **0.0017** | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:29 | 1 |
| **Magnesium** | **62** | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/08/24 01:29 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:29 | 1 |
| **Potassium** | **3.1** | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/08/24 01:29 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/15/24 13:26 | 1 |
| **Sodium** | **100** | | 2.0 | 0.77 | mg/L | | 03/05/24 17:38 | 03/14/24 18:28 | 10 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:29 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 08:16 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **44** | | 1.0 | 0.12 | mg/L | | | 03/02/24 20:07 | 1 |
| **Sulfate (EPA 300.0)** | **310** | | 20 | 4.1 | mg/L | | | 03/06/24 08:55 | 20 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **380** | **B** | 5.0 | 3.7 | mg/L | | | 03/05/24 17:45 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 17:45 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **930** | | 10 | 4.3 | mg/L | | | 02/26/24 21:27 | 1 |
| **Fluoride (SM 4500 F C)** | **0.55** | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:23 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **7.96** | | | | ft | | | 02/20/24 14:35 | 1 |
| **Field pH** | **7.08** | | | | SU | | | 02/20/24 14:35 | 1 |
| **Field Temperature** | **12.6** | | | | Degrees C | | | 02/20/24 14:35 | 1 |
| **Oxidation Reduction Potential** | **-171.7** | | | | millivolts | | | 02/20/24 14:35 | 1 |
| **Oxygen, Dissolved** | **0.25** | | | | mg/L | | | 02/20/24 14:35 | 1 |
| **Specific Conductance** | **1238** | | | | umhos/cm | | | 02/20/24 14:35 | 1 |
| **Turbidity** | **98.54** | | | | NTU | | | 02/20/24 14:35 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_038

**Date Collected: 02/20/24 10:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-12

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0020 | J | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 22:08 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 19:17 | 1 |
| Arsenic | 0.027 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 19:17 | 1 |
| Barium | 0.19 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 19:17 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/14/24 18:32 | 1 |
| Boron | 0.45 | B | 0.050 | 0.013 | mg/L | | 03/05/24 17:38 | 03/14/24 18:32 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 19:17 | 1 |
| Calcium | 13 | B | 0.20 | 0.044 | mg/L | | 03/05/24 17:38 | 03/14/24 18:32 | 1 |
| Chromium | 0.0032 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 19:17 | 1 |
| Cobalt | 0.00061 | J | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 19:17 | 1 |
| Lead | 0.0018 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:33 | 1 |
| Magnesium | 36 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/08/24 01:33 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:33 | 1 |
| Potassium | 2.7 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/08/24 01:33 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/14/24 18:32 | 1 |
| Sodium | 0.97 | | 0.20 | 0.077 | mg/L | | 03/05/24 17:38 | 03/14/24 18:32 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:33 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:07 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 17 | | 1.0 | 0.12 | mg/L | | | 03/02/24 20:22 | 1 |
| Sulfate (EPA 300.0) | 0.32 | J | 1.0 | 0.21 | mg/L | | | 03/02/24 20:22 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 490 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 17:54 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 17:54 | 1 |
| Total Dissolved Solids (SM 2540C) | 570 | | 10 | 4.3 | mg/L | | | 02/26/24 21:30 | 1 |
| Fluoride (SM 4500 F C) | 0.36 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:28 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 3.51 | | | | ft | | | 02/20/24 10:30 | 1 |
| Field pH | 7.10 | | | | SU | | | 02/20/24 10:30 | 1 |
| Field Temperature | 11.6 | | | | Degrees C | | | 02/20/24 10:30 | 1 |
| Oxidation Reduction Potential | -151.2 | | | | millivolts | | | 02/20/24 10:30 | 1 |
| Oxygen, Dissolved | 0.03 | | | | mg/L | | | 02/20/24 10:30 | 1 |
| Specific Conductance | 753 | | | | umhos/cm | | | 02/20/24 10:30 | 1 |
| Turbidity | 44.36 | | | | NTU | | | 02/20/24 10:30 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_040

**Date Collected: 02/20/24 11:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-13

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.78 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 22:12 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 19:27 | 1 |
| Arsenic | 0.020 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 19:27 | 1 |
| Barium | 0.028 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 19:27 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 13:30 | 1 |
| Boron | 24 | B | 2.5 | 0.64 | mg/L | | 03/05/24 17:38 | 03/14/24 18:35 | 50 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 19:27 | 1 |
| Calcium | 640 | B | 10 | 2.2 | mg/L | | 03/05/24 17:38 | 03/14/24 18:35 | 50 |
| Chromium | 0.0021 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 19:27 | 1 |
| Cobalt | 0.0075 | | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 19:27 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:36 | 1 |
| Magnesium | 190 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/08/24 01:36 | 1 |
| Molybdenum | 0.056 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:36 | 1 |
| Potassium | 43 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/08/24 01:36 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/15/24 13:30 | 1 |
| Sodium | 49 | | 10 | 3.9 | mg/L | | 03/05/24 17:38 | 03/14/24 18:35 | 50 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:36 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:09 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 9.1 | | 1.0 | 0.12 | mg/L | | | 03/02/24 20:37 | 1 |
| Sulfate (EPA 300.0) | 3300 | | 100 | 21 | mg/L | | | 03/02/24 20:52 | 100 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 26 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 18:04 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 18:04 | 1 |
| Total Dissolved Solids (SM 2540C) | 5100 | | 25 | 11 | mg/L | | | 02/27/24 23:19 | 1 |
| Fluoride (SM 4500 F C) | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:33 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 14.64 | | | | ft | | | 02/20/24 11:20 | 1 |
| Field pH | 6.48 | | | | SU | | | 02/20/24 11:20 | 1 |
| Field Temperature | 12.5 | | | | Degrees C | | | 02/20/24 11:20 | 1 |
| Oxidation Reduction Potential | -123.6 | | | | millivolts | | | 02/20/24 11:20 | 1 |
| Oxygen, Dissolved | 0.20 | | | | mg/L | | | 02/20/24 11:20 | 1 |
| Specific Conductance | 3787 | | | | umhos/cm | | | 02/20/24 11:20 | 1 |
| Turbidity | 215.73 | | | | NTU | | | 02/20/24 11:20 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_040_FD

**Date Collected: 02/20/24 11:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-14

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.75 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 22:16 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 19:34 | 1 |
| Arsenic | 0.022 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 19:34 | 1 |
| Barium | 0.029 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 19:34 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/15/24 13:34 | 1 |
| Boron | 12 | ^2 | 0.50 | 0.13 | mg/L | | 03/05/24 17:38 | 03/15/24 12:20 | 10 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 19:34 | 1 |
| Calcium | 630 | | 0.20 | 0.044 | mg/L | | 03/05/24 17:38 | 03/15/24 13:34 | 1 |
| Chromium | 0.0025 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 19:34 | 1 |
| Cobalt | 0.0067 | | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 19:34 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:40 | 1 |
| Magnesium | 180 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/08/24 01:40 | 1 |
| Molybdenum | 0.054 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:40 | 1 |
| Potassium | 43 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/08/24 01:40 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/15/24 13:34 | 1 |
| Sodium | 42 | | 0.20 | 0.077 | mg/L | | 03/05/24 17:38 | 03/15/24 13:34 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:40 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:11 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 9.2 | | 1.0 | 0.12 | mg/L | | | 03/02/24 21:07 | 1 |
| Sulfate (EPA 300.0) | 3300 | | 100 | 21 | mg/L | | | 03/02/24 21:22 | 100 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 14 | B | 5.0 | 3.7 | mg/L | | | 03/05/24 18:12 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 18:12 | 1 |
| Total Dissolved Solids (SM 2540C) | 5200 | | 25 | 11 | mg/L | | | 02/27/24 23:22 | 1 |
| Fluoride (SM 4500 F C) | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:38 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 14.64 | | | | ft | | | 02/20/24 11:20 | 1 |
| Field pH | 6.48 | | | | SU | | | 02/20/24 11:20 | 1 |
| Field Temperature | 12.5 | | | | Degrees C | | | 02/20/24 11:20 | 1 |
| Oxidation Reduction Potential | -123.6 | | | | millivolts | | | 02/20/24 11:20 | 1 |
| Oxygen, Dissolved | 0.20 | | | | mg/L | | | 02/20/24 11:20 | 1 |
| Specific Conductance | 3787 | | | | umhos/cm | | | 02/20/24 11:20 | 1 |
| Turbidity | 215.73 | | | | NTU | | | 02/20/24 11:20 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_042

**Date Collected: 02/20/24 12:17**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-15

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0024 | J | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 22:30 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |
| Arsenic | 0.030 | | 0.0010 | 0.00023 | mg/L | | 03/06/24 09:08 | 03/11/24 19:51 | 1 |
| Barium | 0.16 | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/14/24 15:42 | 1 |
| Boron | 0.71 | B | 0.050 | 0.013 | mg/L | | 03/06/24 09:08 | 03/14/24 15:42 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 19:51 | 1 |
| Calcium | 97 | | 0.20 | 0.044 | mg/L | | 03/06/24 09:08 | 03/14/24 15:42 | 1 |
| Chromium | 0.0031 | J B | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/11/24 19:51 | 1 |
| Cobalt | 0.00060 | J | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |
| Lead | 0.00081 | | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |
| Magnesium | 51 | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |
| Potassium | 2.7 | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |
| Selenium | <0.0025 | ^+ | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |
| Sodium | 56 | | 0.20 | 0.077 | mg/L | | 03/06/24 09:08 | 03/14/24 15:42 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 02:00 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:13 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 15 | | 1.0 | 0.12 | mg/L | | | 03/02/24 21:37 | 1 |
| Sulfate (EPA 300.0) | 96 | | 5.0 | 1.0 | mg/L | | | 03/06/24 09:10 | 5 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 470 | | 5.0 | 3.7 | mg/L | | | 03/05/24 18:33 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 18:33 | 1 |
| Total Dissolved Solids (SM 2540C) | 590 | | 10 | 4.3 | mg/L | | | 02/26/24 22:30 | 1 |
| Fluoride (SM 4500 F C) | 0.55 | | 0.10 | 0.056 | mg/L | | | 03/07/24 18:07 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 25.71 | | | | ft | | | 02/20/24 12:17 | 1 |
| Field pH | 7.51 | | | | SU | | | 02/20/24 12:17 | 1 |
| Field Temperature | 10.5 | | | | Degrees C | | | 02/20/24 12:17 | 1 |
| Oxidation Reduction Potential | -156.0 | | | | millivolts | | | 02/20/24 12:17 | 1 |
| Oxygen, Dissolved | 1.25 | | | | mg/L | | | 02/20/24 12:17 | 1 |
| Specific Conductance | 802 | | | | umhos/cm | | | 02/20/24 12:17 | 1 |
| Turbidity | 82 | | | | NTU | | | 02/20/24 12:17 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_043

**Date Collected: 02/20/24 11:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-16

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.012 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 22:52 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 19:41 | 1 |
| Arsenic | 0.011 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 19:41 | 1 |
| Barium | 0.47 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 19:41 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/14/24 18:49 | 1 |
| Boron | 0.30 | B | 0.050 | 0.013 | mg/L | | 03/05/24 17:38 | 03/14/24 18:49 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 19:41 | 1 |
| Calcium | 8.1 | B | 0.20 | 0.044 | mg/L | | 03/05/24 17:38 | 03/14/24 18:49 | 1 |
| Chromium | 0.0025 | J | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 19:41 | 1 |
| Cobalt | 0.00063 | J | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/11/24 19:41 | 1 |
| Lead | 0.0010 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 01:43 | 1 |
| Magnesium | 78 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/08/24 01:43 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 01:43 | 1 |
| Potassium | 8.1 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/08/24 01:43 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/14/24 18:49 | 1 |
| Sodium | 59 | | 0.20 | 0.077 | mg/L | | 03/05/24 17:38 | 03/14/24 18:49 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 01:43 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:26 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 59 | | 5.0 | 0.58 | mg/L | | | 03/02/24 23:08 | 5 |
| Sulfate (EPA 300.0) | 250 | | 5.0 | 1.0 | mg/L | | | 03/02/24 23:08 | 5 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 500 | | 5.0 | 3.7 | mg/L | | | 03/05/24 18:54 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 18:54 | 1 |
| Total Dissolved Solids (SM 2540C) | 1000 | | 10 | 4.3 | mg/L | | | 02/26/24 22:37 | 1 |
| Fluoride (SM 4500 F C) | 0.42 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:44 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 16.38 | | | | ft | | | 02/20/24 11:30 | 1 |
| Field pH | 7.10 | | | | SU | | | 02/20/24 11:30 | 1 |
| Field Temperature | 11.1 | | | | Degrees C | | | 02/20/24 11:30 | 1 |
| Oxidation Reduction Potential | -128.9 | | | | millivolts | | | 02/20/24 11:30 | 1 |
| Oxygen, Dissolved | 0.16 | | | | mg/L | | | 02/20/24 11:30 | 1 |
| Specific Conductance | 1253 | | | | umhos/cm | | | 02/20/24 11:30 | 1 |
| Turbidity | 51.99 | | | | NTU | | | 02/20/24 11:30 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_043_FD

**Date Collected: 02/20/24 11:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-17

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.013 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 22:56 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |
| Arsenic | 0.0074 | | 0.0010 | 0.00023 | mg/L | | 03/06/24 09:08 | 03/14/24 16:06 | 1 |
| Barium | 0.44 | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/14/24 16:06 | 1 |
| Boron | 0.91 | B | 0.050 | 0.013 | mg/L | | 03/06/24 09:08 | 03/14/24 16:06 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 20:15 | 1 |
| Calcium | 130 | | 0.20 | 0.044 | mg/L | | 03/06/24 09:08 | 03/14/24 16:06 | 1 |
| Chromium | 0.0016 | J | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/14/24 16:06 | 1 |
| Cobalt | 0.0011 | | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |
| Lead | 0.0011 | | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |
| Magnesium | 71 | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |
| Potassium | 7.2 | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |
| Selenium | <0.0025 | ^+ | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |
| Sodium | 110 | | 0.20 | 0.077 | mg/L | | 03/06/24 09:08 | 03/14/24 16:06 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 02:18 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:28 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 56 | | 5.0 | 0.58 | mg/L | | | 03/02/24 23:39 | 5 |
| Sulfate (EPA 300.0) | 260 | | 10 | 2.1 | mg/L | | | 03/06/24 09:56 | 10 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 520 | | 5.0 | 3.7 | mg/L | | | 03/05/24 19:04 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 19:04 | 1 |
| Total Dissolved Solids (SM 2540C) | 950 | | 10 | 4.3 | mg/L | | | 02/26/24 22:43 | 1 |
| Fluoride (SM 4500 F C) | 0.43 | | 0.10 | 0.056 | mg/L | | | 03/07/24 16:48 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 16.38 | | | | ft | | | 02/20/24 11:30 | 1 |
| Field pH | 7.10 | | | | SU | | | 02/20/24 11:30 | 1 |
| Field Temperature | 11.1 | | | | Degrees C | | | 02/20/24 11:30 | 1 |
| Oxidation Reduction Potential | -128.9 | | | | millivolts | | | 02/20/24 11:30 | 1 |
| Oxygen, Dissolved | 0.16 | | | | mg/L | | | 02/20/24 11:30 | 1 |
| Specific Conductance | 1253 | | | | umhos/cm | | | 02/20/24 11:30 | 1 |
| Turbidity | 51.99 | | | | NTU | | | 02/20/24 11:30 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_101&

**Date Collected: 02/20/24 13:45**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-18

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.019 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 23:00 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |
| Arsenic | 0.047 | | 0.010 | 0.0023 | mg/L | | 03/06/24 09:08 | 03/14/24 16:10 | 10 |
| Barium | 0.11 | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/15/24 13:47 | 1 |
| Boron | 2.3 | B | 0.50 | 0.13 | mg/L | | 03/06/24 09:08 | 03/14/24 16:10 | 10 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 20:18 | 1 |
| Calcium | 74 | | 2.0 | 0.44 | mg/L | | 03/06/24 09:08 | 03/14/24 16:10 | 10 |
| Chromium | 0.0013 | J | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/15/24 13:47 | 1 |
| Cobalt | 0.00046 | J | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |
| Lead | 0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |
| Magnesium | 39 | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |
| Potassium | 3.1 | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |
| Selenium | <0.0025 | ^+ | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |
| Sodium | 130 | | 2.0 | 0.77 | mg/L | | 03/06/24 09:08 | 03/14/24 16:10 | 10 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 02:22 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:30 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 26 | | 1.0 | 0.12 | mg/L | | | 03/06/24 10:11 | 1 |
| Sulfate (EPA 300.0) | 100 | | 10 | 2.1 | mg/L | | | 03/09/24 21:19 | 10 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 450 | | 5.0 | 3.7 | mg/L | | | 03/05/24 19:19 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 19:19 | 1 |
| Total Dissolved Solids (SM 2540C) | 640 | | 10 | 4.3 | mg/L | | | 02/26/24 22:45 | 1 |
| Fluoride (SM 4500 F C) | 0.75 | | 0.10 | 0.056 | mg/L | | | 03/07/24 17:04 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 109.00 | | | | ft | | | 02/20/24 13:45 | 1 |
| Field pH | 7.42 | | | | SU | | | 02/20/24 13:45 | 1 |
| Field Temperature | 13.00 | | | | Degrees C | | | 02/20/24 13:45 | 1 |
| Oxidation Reduction Potential | -152.1 | | | | millivolts | | | 02/20/24 13:45 | 1 |
| Oxygen, Dissolved | 0.14 | | | | mg/L | | | 02/20/24 13:45 | 1 |
| Specific Conductance | 911 | | | | umhos/cm | | | 02/20/24 13:45 | 1 |
| Turbidity | 22.7 | | | | NTU | | | 02/20/24 13:45 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_103&

**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-19

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.057 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 23:05 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 02:25 | 1 |
| Arsenic | 0.0018 | | 0.0010 | 0.00023 | mg/L | | 03/06/24 09:08 | 03/14/24 16:13 | 1 |
| Barium | 0.017 | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 02:25 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/14/24 16:13 | 1 |
| Boron | 0.29 | B | 0.050 | 0.013 | mg/L | | 03/06/24 09:08 | 03/14/24 16:13 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 20:25 | 1 |
| Calcium | 210 | | 0.20 | 0.044 | mg/L | | 03/06/24 09:08 | 03/14/24 16:13 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/14/24 16:13 | 1 |
| Cobalt | 0.0026 | | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 02:25 | 1 |
| Lead | 0.00031 | J | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 02:25 | 1 |
| Magnesium | 240 | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 02:25 | 1 |
| Molybdenum | 0.0055 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 02:25 | 1 |
| Potassium | 2.0 | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 02:25 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/14/24 16:13 | 1 |
| Sodium | 24 | | 0.20 | 0.077 | mg/L | | 03/06/24 09:08 | 03/14/24 16:13 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 02:25 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:33 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 4.8 | | 1.0 | 0.12 | mg/L | | | 03/06/24 10:56 | 1 |
| Sulfate (EPA 300.0) | 1200 | | 100 | 21 | mg/L | | | 03/09/24 22:05 | 100 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 340 | | 5.0 | 3.7 | mg/L | | | 03/05/24 19:29 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 19:29 | 1 |
| Total Dissolved Solids (SM 2540C) | 2000 | | 10 | 4.3 | mg/L | | | 02/26/24 22:48 | 1 |
| Fluoride (SM 4500 F C) | 0.23 | | 0.10 | 0.056 | mg/L | | | 03/07/24 17:09 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 130.23 | | | | ft | | | 02/20/24 15:15 | 1 |
| Field pH | 7.00 | | | | SU | | | 02/20/24 15:15 | 1 |
| Field Temperature | 13.1 | | | | Degrees C | | | 02/20/24 15:15 | 1 |
| Oxidation Reduction Potential | 85.2 | | | | millivolts | | | 02/20/24 15:15 | 1 |
| Oxygen, Dissolved | 5.8 | | | | mg/L | | | 02/20/24 15:15 | 1 |
| Specific Conductance | 1732 | | | | umhos/cm | | | 02/20/24 15:15 | 1 |
| Turbidity | 39.51 | | | | NTU | | | 02/20/24 15:15 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_ND3

**Date Collected: 02/20/24 13:40**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-20

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.47 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 23:09 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 0.011 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 02:35 | 1 |
| Arsenic | 0.12 | | 0.020 | 0.0046 | mg/L | | 03/06/24 09:08 | 03/14/24 16:17 | 20 |
| Barium | 0.025 | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 02:35 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/15/24 13:50 | 1 |
| Boron | 28 | B | 1.0 | 0.25 | mg/L | | 03/06/24 09:08 | 03/14/24 16:17 | 20 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 20:29 | 1 |
| Calcium | 330 | | 4.0 | 0.89 | mg/L | | 03/06/24 09:08 | 03/14/24 16:17 | 20 |
| Chromium | 0.0021 | J | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/15/24 13:50 | 1 |
| Cobalt | 0.00043 | J | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 02:35 | 1 |
| Lead | 0.0034 | | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 02:35 | 1 |
| Magnesium | 56 | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 02:35 | 1 |
| Molybdenum | 0.22 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 02:35 | 1 |
| Potassium | 36 | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 02:35 | 1 |
| Selenium | 0.036 | J | 0.050 | 0.020 | mg/L | | 03/06/24 09:08 | 03/14/24 16:17 | 20 |
| Sodium | 34 | | 4.0 | 1.5 | mg/L | | 03/06/24 09:08 | 03/14/24 16:17 | 20 |
| Thallium | 0.0027 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 02:35 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:35 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 6.5 | | 1.0 | 0.12 | mg/L | | | 03/06/24 11:11 | 1 |
| Sulfate (EPA 300.0) | 1100 | | 100 | 21 | mg/L | | | 03/09/24 22:50 | 100 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 93 | | 5.0 | 3.7 | mg/L | | | 03/05/24 19:38 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 19:38 | 1 |
| Total Dissolved Solids (SM 2540C) | 1700 | | 10 | 4.3 | mg/L | | | 02/26/24 22:50 | 1 |
| Fluoride (SM 4500 F C) | 0.14 | | 0.10 | 0.056 | mg/L | | | 03/07/24 17:13 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 16.64 | | | | ft | | | 02/20/24 13:40 | 1 |
| Field pH | 8.25 | | | | SU | | | 02/20/24 13:40 | 1 |
| Field Temperature | 13.0 | | | | Degrees C | | | 02/20/24 13:40 | 1 |
| Oxidation Reduction Potential | 0.93 | | | | millivolts | | | 02/20/24 13:40 | 1 |
| Oxygen, Dissolved | 0.93 | | | | mg/L | | | 02/20/24 13:40 | 1 |
| Specific Conductance | 1586 | | | | umhos/cm | | | 02/20/24 13:40 | 1 |
| Turbidity | 73.25 | | | | NTU | | | 02/20/24 13:40 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_004

**Date Collected: 02/21/24 08:45**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-22

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.040 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 09:00 | 03/06/24 23:57 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |
| Arsenic | 0.0066 | J | 0.010 | 0.0023 | mg/L | | 03/06/24 09:08 | 03/14/24 16:25 | 10 |
| Barium | 0.22 | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/15/24 13:54 | 1 |
| Boron | 7.5 | B | 0.50 | 0.13 | mg/L | | 03/06/24 09:08 | 03/14/24 16:25 | 10 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 20:46 | 1 |
| Calcium | 72 | | 2.0 | 0.44 | mg/L | | 03/06/24 09:08 | 03/14/24 16:25 | 10 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/15/24 13:54 | 1 |
| Cobalt | 0.00056 | J | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |
| Magnesium | 29 | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |
| Molybdenum | 0.034 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |
| Potassium | 6.0 | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |
| Selenium | <0.0025 | ^+ | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |
| Sodium | 25 | | 2.0 | 0.77 | mg/L | | 03/06/24 09:08 | 03/14/24 16:25 | 10 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 02:42 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:39 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 9.1 | | 1.0 | 0.12 | mg/L | | | 03/06/24 11:42 | 1 |
| Sulfate (EPA 300.0) | 36 | | 1.0 | 0.21 | mg/L | | | 03/06/24 11:42 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 270 | | 5.0 | 3.7 | mg/L | | | 03/05/24 20:58 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 20:58 | 1 |
| Total Dissolved Solids (SM 2540C) | 350 | | 10 | 4.3 | mg/L | | | 02/26/24 22:56 | 1 |
| Fluoride (SM 4500 F C) | 0.30 | | 0.10 | 0.056 | mg/L | | | 03/07/24 17:31 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 7.02 | | | | ft | | | 02/21/24 08:45 | 1 |
| Field pH | 7.75 | | | | SU | | | 02/21/24 08:45 | 1 |
| Field Temperature | 9.7 | | | | Degrees C | | | 02/21/24 08:45 | 1 |
| Oxidation Reduction Potential | -162.4 | | | | millivolts | | | 02/21/24 08:45 | 1 |
| Oxygen, Dissolved | 0.09 | | | | mg/L | | | 02/21/24 08:45 | 1 |
| Specific Conductance | 451.1 | | | | umhos/cm | | | 02/21/24 08:45 | 1 |
| Turbidity | 4.08 | | | | NTU | | | 02/21/24 08:45 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_005

**Date Collected: 02/21/24 09:40**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-23

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Lithium** | **0.080** | | 0.0050 | 0.0020 | mg/L | | 03/05/24 09:00 | 03/07/24 00:02 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |
| Arsenic | <0.020 | ^+ | 0.020 | 0.0046 | mg/L | | 03/06/24 09:08 | 03/11/24 20:56 | 20 |
| **Barium** | **0.023** | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/15/24 14:05 | 1 |
| **Boron** | **20** | **B** | 1.0 | 0.25 | mg/L | | 03/06/24 09:08 | 03/14/24 16:29 | 20 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 20:53 | 1 |
| **Calcium** | **98** | | 4.0 | 0.89 | mg/L | | 03/06/24 09:08 | 03/14/24 16:29 | 20 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/15/24 14:05 | 1 |
| **Cobalt** | **0.00068** | **J** | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |
| **Magnesium** | **21** | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |
| **Molybdenum** | **0.038** | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |
| **Potassium** | **8.4** | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |
| Selenium | <0.0025 | ^+ | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |
| **Sodium** | **24** | | 4.0 | 1.5 | mg/L | | 03/06/24 09:08 | 03/14/24 16:29 | 20 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 02:46 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:41 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **6.5** | | 1.0 | 0.12 | mg/L | | | 03/06/24 11:57 | 1 |
| **Sulfate (EPA 300.0)** | **240** | | 10 | 2.1 | mg/L | | | 03/09/24 23:05 | 10 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **140** | | 5.0 | 3.7 | mg/L | | | 03/05/24 21:08 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 21:08 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **540** | | 10 | 4.3 | mg/L | | | 02/26/24 22:58 | 1 |
| **Fluoride (SM 4500 F C)** | **0.67** | | 0.10 | 0.056 | mg/L | | | 03/07/24 17:36 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **7.13** | | | | ft | | | 02/21/24 09:40 | 1 |
| **Field pH** | **7.59** | | | | SU | | | 02/21/24 09:40 | 1 |
| **Field Temperature** | **11.0** | | | | Degrees C | | | 02/21/24 09:40 | 1 |
| **Oxidation Reduction Potential** | **-6.9** | | | | millivolts | | | 02/21/24 09:40 | 1 |
| **Oxygen, Dissolved** | **0.04** | | | | mg/L | | | 02/21/24 09:40 | 1 |
| **Specific Conductance** | **553** | | | | umhos/cm | | | 02/21/24 09:40 | 1 |
| **Turbidity** | **3.18** | | | | NTU | | | 02/21/24 09:40 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_007R

**Date Collected: 02/21/24 11:20**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-24

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.56 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 09:00 | 03/07/24 00:16 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 02:49 | 1 |
| Arsenic | 0.0036 | | 0.0010 | 0.00023 | mg/L | | 03/06/24 09:08 | 03/15/24 14:08 | 1 |
| Barium | 0.021 | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 02:49 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/15/24 14:08 | 1 |
| Boron | 47 | B | 2.5 | 0.64 | mg/L | | 03/06/24 09:08 | 03/14/24 16:32 | 50 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 21:00 | 1 |
| Calcium | 760 | | 10 | 2.2 | mg/L | | 03/06/24 09:08 | 03/14/24 16:32 | 50 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/15/24 14:08 | 1 |
| Cobalt | 0.00043 | J | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 02:49 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 02:49 | 1 |
| Magnesium | 28 | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 02:49 | 1 |
| Molybdenum | 0.32 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 02:49 | 1 |
| Potassium | 55 | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 02:49 | 1 |
| Selenium | 0.0054 | B | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/15/24 14:08 | 1 |
| Sodium | 44 | | 10 | 3.9 | mg/L | | 03/06/24 09:08 | 03/14/24 16:32 | 50 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 02:49 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:47 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 4.1 | | 1.0 | 0.12 | mg/L | | | 03/06/24 12:12 | 1 |
| Sulfate (EPA 300.0) | 2000 | | 100 | 21 | mg/L | | | 03/09/24 23:21 | 100 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 76 | | 5.0 | 3.7 | mg/L | | | 03/05/24 21:17 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 21:17 | 1 |
| Total Dissolved Solids (SM 2540C) | 3000 | | 10 | 4.3 | mg/L | | | 02/26/24 23:01 | 1 |
| Fluoride (SM 4500 F C) | 0.091 | J | 0.10 | 0.056 | mg/L | | | 03/07/24 17:41 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 16.11 | | | | ft | | | 02/21/24 11:20 | 1 |
| Field pH | 7.68 | | | | SU | | | 02/21/24 11:20 | 1 |
| Field Temperature | 12.6 | | | | Degrees C | | | 02/21/24 11:20 | 1 |
| Oxidation Reduction Potential | -141.1 | | | | millivolts | | | 02/21/24 11:20 | 1 |
| Oxygen, Dissolved | 0.87 | | | | mg/L | | | 02/21/24 11:20 | 1 |
| Specific Conductance | 2551 | | | | umhos/cm | | | 02/21/24 11:20 | 1 |
| Turbidity | 131.63 | | | | NTU | | | 02/21/24 11:20 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_041

**Date Collected: 02/21/24 12:05**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-28

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 09:00 | 03/07/24 00:33 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | ^+ | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 03:13 | 1 |
| **Arsenic** | **0.013** | | 0.010 | 0.0023 | mg/L | | 03/06/24 09:08 | 03/14/24 16:57 | 10 |
| **Barium** | **0.26** | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/11/24 21:27 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/15/24 14:19 | 1 |
| **Boron** | **3.5** | **B** | 0.50 | 0.13 | mg/L | | 03/06/24 09:08 | 03/14/24 16:57 | 10 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 21:27 | 1 |
| **Calcium** | **92** | | 2.0 | 0.44 | mg/L | | 03/06/24 09:08 | 03/14/24 16:57 | 10 |
| **Chromium** | **0.0012** | **J** | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/15/24 14:19 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/15/24 14:19 | 1 |
| **Lead** | **0.00034** | **J** | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 03:13 | 1 |
| **Magnesium** | **43** | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 03:13 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 03:13 | 1 |
| **Potassium** | **3.3** | **J** | 5.0 | 1.1 | mg/L | | 03/06/24 09:08 | 03/14/24 16:57 | 10 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/15/24 14:19 | 1 |
| **Sodium** | **110** | | 2.0 | 0.77 | mg/L | | 03/06/24 09:08 | 03/14/24 16:57 | 10 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 03:13 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:56 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **49** | **B** | 5.0 | 0.58 | mg/L | | | 03/12/24 13:02 | 5 |
| **Sulfate (EPA 300.0)** | **0.21** | **J** | 1.0 | 0.21 | mg/L | | | 03/06/24 13:13 | 1 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **550** | **B** | 5.0 | 3.7 | mg/L | | | 03/05/24 22:21 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 22:21 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **650** | | 10 | 4.3 | mg/L | | | 02/26/24 23:11 | 1 |
| **Fluoride (SM 4500 F C)** | **0.41** | | 0.10 | 0.056 | mg/L | | | 03/07/24 18:27 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **5.87** | | | | ft | | | 02/21/24 12:05 | 1 |
| **Field pH** | **7.24** | | | | SU | | | 02/21/24 12:05 | 1 |
| **Field Temperature** | **12.6** | | | | Degrees C | | | 02/21/24 12:05 | 1 |
| **Oxidation Reduction Potential** | **-156.5** | | | | millivolts | | | 02/21/24 12:05 | 1 |
| **Oxygen, Dissolved** | **-0.24** | | | | mg/L | | | 02/21/24 12:05 | 1 |
| **Specific Conductance** | **1039** | | | | umhos/cm | | | 02/21/24 12:05 | 1 |
| **Turbidity** | **27.12** | | | | NTU | | | 02/21/24 12:05 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_YSG01

**Date Collected: 02/19/24 14:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-34

**Matrix: Water**

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 15.19 | | | | ft | | | 02/19/24 14:20 | 1 |

# Definitions/Glossary

## 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. |
| ^2 | Calibration Blank (ICB and/or CCB) is outside acceptance limits. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| B | Compound was found in the blank and sample. |
| F5 | Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### General Chemistry

| Qualifier | Qualifier Description |
|---|---|
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## 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 Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Metals

### Prep Batch: 756864

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total Recoverable | Water | 200.7 | |
| 500-246480-2 | VER_003R | Total Recoverable | Water | 200.7 | |
| 500-246480-3 | VER_003R_FD | Total Recoverable | Water | 200.7 | |
| 500-246480-4 | VER_008R | Total Recoverable | Water | 200.7 | |
| 500-246480-6 | VER_020 | Total Recoverable | Water | 200.7 | |
| 500-246480-7 | VER_021 | Total Recoverable | Water | 200.7 | |
| 500-246480-8 | VER_034 | Total Recoverable | Water | 200.7 | |
| 500-246480-9 | VER_036 | Total Recoverable | Water | 200.7 | |
| 500-246480-10 | VER_036_FD | Total Recoverable | Water | 200.7 | |
| 500-246480-11 | VER_037 | Total Recoverable | Water | 200.7 | |
| 500-246480-12 | VER_038 | Total Recoverable | Water | 200.7 | |
| 500-246480-13 | VER_040 | Total Recoverable | Water | 200.7 | |
| 500-246480-14 | VER_040_FD | Total Recoverable | Water | 200.7 | |
| 500-246480-15 | VER_042 | Total Recoverable | Water | 200.7 | |
| 500-246480-16 | VER_043 | Total Recoverable | Water | 200.7 | |
| 500-246480-17 | VER_043_FD | Total Recoverable | Water | 200.7 | |
| 500-246480-18 | VER_101& | Total Recoverable | Water | 200.7 | |
| 500-246480-19 | VER_103& | Total Recoverable | Water | 200.7 | |
| 500-246480-20 | VER_ND3 | Total Recoverable | Water | 200.7 | |
| MB 500-756864/1-A | Method Blank | Total Recoverable | Water | 200.7 | |
| LCS 500-756864/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |
| 500-246480-6 MS | VER_020 | Total Recoverable | Water | 200.7 | |
| 500-246480-6 MSD | VER_020 | Total Recoverable | Water | 200.7 | |
| 500-246480-15 MS | VER_042 | Total Recoverable | Water | 200.7 | |
| 500-246480-15 MSD | VER_042 | Total Recoverable | Water | 200.7 | |
| 500-246480-6 DU | VER_020 | Total Recoverable | Water | 200.7 | |
| 500-246480-15 DU | VER_042 | Total Recoverable | Water | 200.7 | |

### Prep Batch: 756867

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-22 | VER_004 | Total Recoverable | Water | 200.7 | |
| 500-246480-23 | VER_005 | Total Recoverable | Water | 200.7 | |
| 500-246480-24 | VER_007R | Total Recoverable | Water | 200.7 | |
| 500-246480-28 | VER_041 | Total Recoverable | Water | 200.7 | |
| MB 500-756867/1-A | Method Blank | Total Recoverable | Water | 200.7 | |
| LCS 500-756867/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |

### Prep Batch: 756906

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | 7470A | |
| 500-246480-2 | VER_003R | Total/NA | Water | 7470A | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | 7470A | |
| 500-246480-4 | VER_008R | Total/NA | Water | 7470A | |
| 500-246480-6 | VER_020 | Total/NA | Water | 7470A | |
| 500-246480-7 | VER_021 | Total/NA | Water | 7470A | |
| 500-246480-8 | VER_034 | Total/NA | Water | 7470A | |
| 500-246480-9 | VER_036 | Total/NA | Water | 7470A | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | 7470A | |
| 500-246480-11 | VER_037 | Total/NA | Water | 7470A | |
| MB 500-756906/12-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 500-756906/13-A | Lab Control Sample | Total/NA | Water | 7470A | |

## Metals (Continued)

### Prep Batch: 756906 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-6 MS | VER_020 | Total/NA | Water | 7470A | |
| 500-246480-6 MSD | VER_020 | Total/NA | Water | 7470A | |
| 500-246480-6 DU | VER_020 | Total/NA | Water | 7470A | |

### Prep Batch: 756958

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total Recoverable | Water | 3005A | |
| 500-246480-2 | VER_003R | Total Recoverable | Water | 3005A | |
| 500-246480-3 | VER_003R_FD | Total Recoverable | Water | 3005A | |
| 500-246480-4 | VER_008R | Total Recoverable | Water | 3005A | |
| 500-246480-6 | VER_020 | Total Recoverable | Water | 3005A | |
| 500-246480-7 | VER_021 | Total Recoverable | Water | 3005A | |
| 500-246480-8 | VER_034 | Total Recoverable | Water | 3005A | |
| 500-246480-9 | VER_036 | Total Recoverable | Water | 3005A | |
| 500-246480-10 | VER_036_FD | Total Recoverable | Water | 3005A | |
| 500-246480-11 | VER_037 | Total Recoverable | Water | 3005A | |
| 500-246480-12 | VER_038 | Total Recoverable | Water | 3005A | |
| 500-246480-13 | VER_040 | Total Recoverable | Water | 3005A | |
| 500-246480-14 | VER_040_FD | Total Recoverable | Water | 3005A | |
| 500-246480-16 | VER_043 | Total Recoverable | Water | 3005A | |
| MB 500-756958/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 500-756958/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 500-246480-6 MS | VER_020 | Total Recoverable | Water | 3005A | |
| 500-246480-6 MSD | VER_020 | Total Recoverable | Water | 3005A | |
| 500-246480-6 DU | VER_020 | Total Recoverable | Water | 3005A | |

### Prep Batch: 757078

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-15 | VER_042 | Total Recoverable | Water | 3005A | |
| 500-246480-17 | VER_043_FD | Total Recoverable | Water | 3005A | |
| 500-246480-18 | VER_101& | Total Recoverable | Water | 3005A | |
| 500-246480-19 | VER_103& | Total Recoverable | Water | 3005A | |
| 500-246480-20 | VER_ND3 | Total Recoverable | Water | 3005A | |
| 500-246480-22 | VER_004 | Total Recoverable | Water | 3005A | |
| 500-246480-23 | VER_005 | Total Recoverable | Water | 3005A | |
| 500-246480-24 | VER_007R | Total Recoverable | Water | 3005A | |
| 500-246480-28 | VER_041 | Total Recoverable | Water | 3005A | |
| MB 500-757078/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 500-757078/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 500-246480-15 MS | VER_042 | Total Recoverable | Water | 3005A | |
| 500-246480-15 MSD | VER_042 | Total Recoverable | Water | 3005A | |
| 500-246480-15 DU | VER_042 | Total Recoverable | Water | 3005A | |

### Prep Batch: 757117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-12 | VER_038 | Total/NA | Water | 7470A | |
| 500-246480-13 | VER_040 | Total/NA | Water | 7470A | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | 7470A | |
| 500-246480-15 | VER_042 | Total/NA | Water | 7470A | |
| 500-246480-16 | VER_043 | Total/NA | Water | 7470A | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | 7470A | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Metals (Continued)

### Prep Batch: 757117 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-18 | VER_101& | Total/NA | Water | 7470A | |
| 500-246480-19 | VER_103& | Total/NA | Water | 7470A | |
| 500-246480-20 | VER_ND3 | Total/NA | Water | 7470A | |
| 500-246480-22 | VER_004 | Total/NA | Water | 7470A | |
| 500-246480-23 | VER_005 | Total/NA | Water | 7470A | |
| 500-246480-24 | VER_007R | Total/NA | Water | 7470A | |
| 500-246480-28 | VER_041 | Total/NA | Water | 7470A | |
| MB 500-757117/12-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 500-757117/13-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 500-246480-15 MS | VER_042 | Total/NA | Water | 7470A | |
| 500-246480-15 MSD | VER_042 | Total/NA | Water | 7470A | |
| 500-246480-15 DU | VER_042 | Total/NA | Water | 7470A | |

### Analysis Batch: 757131

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | 7470A | 756906 |
| 500-246480-2 | VER_003R | Total/NA | Water | 7470A | 756906 |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | 7470A | 756906 |
| 500-246480-4 | VER_008R | Total/NA | Water | 7470A | 756906 |
| 500-246480-6 | VER_020 | Total/NA | Water | 7470A | 756906 |
| 500-246480-7 | VER_021 | Total/NA | Water | 7470A | 756906 |
| 500-246480-8 | VER_034 | Total/NA | Water | 7470A | 756906 |
| 500-246480-9 | VER_036 | Total/NA | Water | 7470A | 756906 |
| 500-246480-10 | VER_036_FD | Total/NA | Water | 7470A | 756906 |
| 500-246480-11 | VER_037 | Total/NA | Water | 7470A | 756906 |
| MB 500-756906/12-A | Method Blank | Total/NA | Water | 7470A | 756906 |
| LCS 500-756906/13-A | Lab Control Sample | Total/NA | Water | 7470A | 756906 |
| 500-246480-6 MS | VER_020 | Total/NA | Water | 7470A | 756906 |
| 500-246480-6 MSD | VER_020 | Total/NA | Water | 7470A | 756906 |
| 500-246480-6 DU | VER_020 | Total/NA | Water | 7470A | 756906 |

### Analysis Batch: 757263

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-2 | VER_003R | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-3 | VER_003R_FD | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-4 | VER_008R | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-6 | VER_020 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-7 | VER_021 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-8 | VER_034 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-9 | VER_036 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-10 | VER_036_FD | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-11 | VER_037 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-12 | VER_038 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-13 | VER_040 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-14 | VER_040_FD | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-15 | VER_042 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-16 | VER_043 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-17 | VER_043_FD | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-18 | VER_101& | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-19 | VER_103& | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Metals (Continued)

### Analysis Batch: 757263 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-20 | VER_ND3 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-22 | VER_004 | Total Recoverable | Water | 200.7 Rev 4.4 | 756867 |
| 500-246480-23 | VER_005 | Total Recoverable | Water | 200.7 Rev 4.4 | 756867 |
| 500-246480-24 | VER_007R | Total Recoverable | Water | 200.7 Rev 4.4 | 756867 |
| 500-246480-28 | VER_041 | Total Recoverable | Water | 200.7 Rev 4.4 | 756867 |
| MB 500-756864/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| MB 500-756867/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 756867 |
| LCS 500-756864/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| LCS 500-756867/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 756867 |
| 500-246480-6 MS | VER_020 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-6 MSD | VER_020 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-15 MS | VER_042 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-15 MSD | VER_042 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-6 DU | VER_020 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |
| 500-246480-15 DU | VER_042 | Total Recoverable | Water | 200.7 Rev 4.4 | 756864 |

### Analysis Batch: 757337

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-12 | VER_038 | Total/NA | Water | 7470A | 757117 |
| 500-246480-13 | VER_040 | Total/NA | Water | 7470A | 757117 |
| 500-246480-14 | VER_040_FD | Total/NA | Water | 7470A | 757117 |
| 500-246480-15 | VER_042 | Total/NA | Water | 7470A | 757117 |
| 500-246480-16 | VER_043 | Total/NA | Water | 7470A | 757117 |
| 500-246480-17 | VER_043_FD | Total/NA | Water | 7470A | 757117 |
| 500-246480-18 | VER_101& | Total/NA | Water | 7470A | 757117 |
| 500-246480-19 | VER_103& | Total/NA | Water | 7470A | 757117 |
| 500-246480-20 | VER_ND3 | Total/NA | Water | 7470A | 757117 |
| 500-246480-22 | VER_004 | Total/NA | Water | 7470A | 757117 |
| 500-246480-23 | VER_005 | Total/NA | Water | 7470A | 757117 |
| 500-246480-24 | VER_007R | Total/NA | Water | 7470A | 757117 |
| 500-246480-28 | VER_041 | Total/NA | Water | 7470A | 757117 |
| MB 500-757117/12-A | Method Blank | Total/NA | Water | 7470A | 757117 |
| LCS 500-757117/13-A | Lab Control Sample | Total/NA | Water | 7470A | 757117 |
| 500-246480-15 MS | VER_042 | Total/NA | Water | 7470A | 757117 |
| 500-246480-15 MSD | VER_042 | Total/NA | Water | 7470A | 757117 |
| 500-246480-15 DU | VER_042 | Total/NA | Water | 7470A | 757117 |

### Analysis Batch: 757459

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-2 | VER_003R | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-3 | VER_003R_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-4 | VER_008R | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-7 | VER_021 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-8 | VER_034 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-9 | VER_036 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-10 | VER_036_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-11 | VER_037 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-12 | VER_038 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-13 | VER_040 | Total Recoverable | Water | 6020B | 756958 |

# QC Association Summary

## Metals (Continued)

### Analysis Batch: 757459 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-14 | VER_040_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-16 | VER_043 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-17 | VER_043_FD | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-18 | VER_101& | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-19 | VER_103& | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-20 | VER_ND3 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-22 | VER_004 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-23 | VER_005 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-24 | VER_007R | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-28 | VER_041 | Total Recoverable | Water | 6020B | 757078 |
| MB 500-756958/1-A | Method Blank | Total Recoverable | Water | 6020B | 756958 |
| MB 500-757078/1-A | Method Blank | Total Recoverable | Water | 6020B | 757078 |
| LCS 500-756958/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 756958 |
| LCS 500-757078/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-6 MS | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 MSD | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 MS | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-15 MSD | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-6 DU | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 DU | VER_042 | Total Recoverable | Water | 6020B | 757078 |

### Analysis Batch: 757847

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-2 | VER_003R | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-3 | VER_003R_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-4 | VER_008R | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-7 | VER_021 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-8 | VER_034 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-9 | VER_036 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-10 | VER_036_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-11 | VER_037 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-12 | VER_038 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-13 | VER_040 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-14 | VER_040_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-16 | VER_043 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-17 | VER_043_FD | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-18 | VER_101& | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-19 | VER_103& | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-20 | VER_ND3 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-22 | VER_004 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-23 | VER_005 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-23 | VER_005 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-24 | VER_007R | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-28 | VER_041 | Total Recoverable | Water | 6020B | 757078 |
| MB 500-756958/1-A | Method Blank | Total Recoverable | Water | 6020B | 756958 |
| MB 500-757078/1-A | Method Blank | Total Recoverable | Water | 6020B | 757078 |
| LCS 500-756958/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 756958 |

## Metals (Continued)

### Analysis Batch: 757847 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 500-757078/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-6 MS | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 MSD | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 MSD | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 MS | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-15 MSD | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-6 DU | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 DU | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 DU | VER_042 | Total Recoverable | Water | 6020B | 757078 |

### Analysis Batch: 758475

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-2 | VER_003R | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-3 | VER_003R_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-4 | VER_008R | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-7 | VER_021 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-8 | VER_034 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-9 | VER_036 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-10 | VER_036_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-11 | VER_037 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-12 | VER_038 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-13 | VER_040 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-16 | VER_043 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-17 | VER_043_FD | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-18 | VER_101& | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-19 | VER_103& | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-20 | VER_ND3 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-22 | VER_004 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-23 | VER_005 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-24 | VER_007R | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-28 | VER_041 | Total Recoverable | Water | 6020B | 757078 |
| MB 500-756958/1-A | Method Blank | Total Recoverable | Water | 6020B | 756958 |
| MB 500-757078/1-A | Method Blank | Total Recoverable | Water | 6020B | 757078 |
| LCS 500-756958/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 756958 |
| LCS 500-757078/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-6 MS | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 MSD | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 MS | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-15 MSD | VER_042 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-6 DU | VER_020 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-15 DU | VER_042 | Total Recoverable | Water | 6020B | 757078 |

### Analysis Batch: 758529

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-2 | VER_003R | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-3 | VER_003R_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-4 | VER_008R | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-6 | VER_020 | Total Recoverable | Water | 6020B | 756958 |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Metals (Continued)

### Analysis Batch: 758529 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-9 | VER_036 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-10 | VER_036_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-11 | VER_037 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-13 | VER_040 | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-14 | VER_040_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-14 | VER_040_FD | Total Recoverable | Water | 6020B | 756958 |
| 500-246480-18 | VER_101& | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-20 | VER_ND3 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-22 | VER_004 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-23 | VER_005 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-24 | VER_007R | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-28 | VER_041 | Total Recoverable | Water | 6020B | 757078 |
| 500-246480-6 DU | VER_020 | Total Recoverable | Water | 6020B | 756958 |

## General Chemistry

### Analysis Batch: 755368

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | SM 2540C | |
| 500-246480-2 | VER_003R | Total/NA | Water | SM 2540C | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | SM 2540C | |
| 500-246480-4 | VER_008R | Total/NA | Water | SM 2540C | |
| 500-246480-6 | VER_020 | Total/NA | Water | SM 2540C | |
| 500-246480-7 | VER_021 | Total/NA | Water | SM 2540C | |
| 500-246480-8 | VER_034 | Total/NA | Water | SM 2540C | |
| 500-246480-9 | VER_036 | Total/NA | Water | SM 2540C | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | SM 2540C | |
| MB 500-755368/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-755368/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |
| 500-246480-6 MS | VER_020 | Total/NA | Water | SM 2540C | |
| 500-246480-6 MSD | VER_020 | Total/NA | Water | SM 2540C | |
| 500-246480-7 DU | VER_021 | Total/NA | Water | SM 2540C | |

### Analysis Batch: 755754

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-11 | VER_037 | Total/NA | Water | SM 2540C | |
| 500-246480-12 | VER_038 | Total/NA | Water | SM 2540C | |
| MB 500-755754/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-755754/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

### Analysis Batch: 755755

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-15 | VER_042 | Total/NA | Water | SM 2540C | |
| 500-246480-16 | VER_043 | Total/NA | Water | SM 2540C | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | SM 2540C | |
| 500-246480-18 | VER_101& | Total/NA | Water | SM 2540C | |
| 500-246480-19 | VER_103& | Total/NA | Water | SM 2540C | |
| 500-246480-20 | VER_ND3 | Total/NA | Water | SM 2540C | |
| 500-246480-22 | VER_004 | Total/NA | Water | SM 2540C | |
| 500-246480-23 | VER_005 | Total/NA | Water | SM 2540C | |
| 500-246480-24 | VER_007R | Total/NA | Water | SM 2540C | |

# QC Association Summary

## General Chemistry (Continued)

### Analysis Batch: 755755 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-28 | VER_041 | Total/NA | Water | SM 2540C | |
| MB 500-755755/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-755755/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |
| 500-246480-15 MS | VER_042 | Total/NA | Water | SM 2540C | |
| 500-246480-15 MSD | VER_042 | Total/NA | Water | SM 2540C | |
| 500-246480-16 DU | VER_043 | Total/NA | Water | SM 2540C | |

### Analysis Batch: 755969

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-13 | VER_040 | Total/NA | Water | SM 2540C | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | SM 2540C | |
| MB 500-755969/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-755969/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

### Analysis Batch: 756576

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | 300.0 | |
| 500-246480-2 | VER_003R | Total/NA | Water | 300.0 | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | 300.0 | |
| 500-246480-4 | VER_008R | Total/NA | Water | 300.0 | |
| 500-246480-4 | VER_008R | Total/NA | Water | 300.0 | |
| 500-246480-6 | VER_020 | Total/NA | Water | 300.0 | |
| 500-246480-6 | VER_020 | Total/NA | Water | 300.0 | |
| 500-246480-7 | VER_021 | Total/NA | Water | 300.0 | |
| 500-246480-8 | VER_034 | Total/NA | Water | 300.0 | |
| 500-246480-9 | VER_036 | Total/NA | Water | 300.0 | |
| 500-246480-9 | VER_036 | Total/NA | Water | 300.0 | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | 300.0 | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | 300.0 | |
| 500-246480-11 | VER_037 | Total/NA | Water | 300.0 | |
| 500-246480-12 | VER_038 | Total/NA | Water | 300.0 | |
| 500-246480-13 | VER_040 | Total/NA | Water | 300.0 | |
| 500-246480-13 | VER_040 | Total/NA | Water | 300.0 | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | 300.0 | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | 300.0 | |
| 500-246480-15 | VER_042 | Total/NA | Water | 300.0 | |
| 500-246480-16 | VER_043 | Total/NA | Water | 300.0 | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | 300.0 | |
| MB 500-756576/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-756576/4 | Lab Control Sample | Total/NA | Water | 300.0 | |
| 500-246480-6 MS | VER_020 | Total/NA | Water | 300.0 | |
| 500-246480-6 MS | VER_020 | Total/NA | Water | 300.0 | |
| 500-246480-6 MSD | VER_020 | Total/NA | Water | 300.0 | |
| 500-246480-6 MSD | VER_020 | Total/NA | Water | 300.0 | |
| 500-246480-15 MS | VER_042 | Total/NA | Water | 300.0 | |
| 500-246480-15 MSD | VER_042 | Total/NA | Water | 300.0 | |

### Analysis Batch: 756923

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-2 | VER_003R | Total/NA | Water | 300.0 | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | 300.0 | |

## General Chemistry (Continued)

### Analysis Batch: 756923 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 500-756923/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-756923/4 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 756942

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-7 | VER_021 | Total/NA | Water | 300.0 | |
| 500-246480-11 | VER_037 | Total/NA | Water | 300.0 | |
| 500-246480-15 | VER_042 | Total/NA | Water | 300.0 | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | 300.0 | |
| 500-246480-18 | VER_101& | Total/NA | Water | 300.0 | |
| 500-246480-19 | VER_103& | Total/NA | Water | 300.0 | |
| 500-246480-20 | VER_ND3 | Total/NA | Water | 300.0 | |
| 500-246480-22 | VER_004 | Total/NA | Water | 300.0 | |
| 500-246480-23 | VER_005 | Total/NA | Water | 300.0 | |
| 500-246480-24 | VER_007R | Total/NA | Water | 300.0 | |
| 500-246480-28 | VER_041 | Total/NA | Water | 300.0 | |
| MB 500-756942/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-756942/4 | Lab Control Sample | Total/NA | Water | 300.0 | |
| 500-246480-15 MS | VER_042 | Total/NA | Water | 300.0 | |
| 500-246480-15 MSD | VER_042 | Total/NA | Water | 300.0 | |

### Analysis Batch: 757067

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | SM 2320B | |
| 500-246480-2 | VER_003R | Total/NA | Water | SM 2320B | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | SM 2320B | |
| 500-246480-4 | VER_008R | Total/NA | Water | SM 2320B | |
| 500-246480-6 | VER_020 | Total/NA | Water | SM 2320B | |
| 500-246480-7 | VER_021 | Total/NA | Water | SM 2320B | |
| 500-246480-8 | VER_034 | Total/NA | Water | SM 2320B | |
| 500-246480-9 | VER_036 | Total/NA | Water | SM 2320B | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | SM 2320B | |
| 500-246480-11 | VER_037 | Total/NA | Water | SM 2320B | |
| 500-246480-12 | VER_038 | Total/NA | Water | SM 2320B | |
| 500-246480-13 | VER_040 | Total/NA | Water | SM 2320B | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | SM 2320B | |
| 500-246480-15 | VER_042 | Total/NA | Water | SM 2320B | |
| 500-246480-16 | VER_043 | Total/NA | Water | SM 2320B | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | SM 2320B | |
| 500-246480-18 | VER_101& | Total/NA | Water | SM 2320B | |
| 500-246480-19 | VER_103& | Total/NA | Water | SM 2320B | |
| 500-246480-20 | VER_ND3 | Total/NA | Water | SM 2320B | |
| 500-246480-22 | VER_004 | Total/NA | Water | SM 2320B | |
| 500-246480-23 | VER_005 | Total/NA | Water | SM 2320B | |
| 500-246480-24 | VER_007R | Total/NA | Water | SM 2320B | |
| 500-246480-28 | VER_041 | Total/NA | Water | SM 2320B | |
| MB 500-757067/11 | Method Blank | Total/NA | Water | SM 2320B | |
| MB 500-757067/32 | Method Blank | Total/NA | Water | SM 2320B | |
| MB 500-757067/57 | Method Blank | Total/NA | Water | SM 2320B | |
| LCS 500-757067/33 | Lab Control Sample | Total/NA | Water | SM 2320B | |
| LCS 500-757067/58 | Lab Control Sample | Total/NA | Water | SM 2320B | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## General Chemistry (Continued)

### Analysis Batch: 757067 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 500-757067/7 | Lab Control Sample | Total/NA | Water | SM 2320B | |
| 500-246480-10 DU | VER_036_FD | Total/NA | Water | SM 2320B | |
| 500-246480-15 DU | VER_042 | Total/NA | Water | SM 2320B | |

### Analysis Batch: 757486

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-18 | VER_101& | Total/NA | Water | 300.0 | |
| 500-246480-19 | VER_103& | Total/NA | Water | 300.0 | |
| 500-246480-20 | VER_ND3 | Total/NA | Water | 300.0 | |
| 500-246480-23 | VER_005 | Total/NA | Water | 300.0 | |
| 500-246480-24 | VER_007R | Total/NA | Water | 300.0 | |
| MB 500-757486/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-757486/4 | Lab Control Sample | Total/NA | Water | 300.0 | |
| 500-246480-18 MS | VER_101& | Total/NA | Water | 300.0 | |
| 500-246480-18 MSD | VER_101& | Total/NA | Water | 300.0 | |

### Analysis Batch: 757490

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | SM 4500 F C | |
| 500-246480-2 | VER_003R | Total/NA | Water | SM 4500 F C | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | SM 4500 F C | |
| 500-246480-4 | VER_008R | Total/NA | Water | SM 4500 F C | |
| 500-246480-6 | VER_020 | Total/NA | Water | SM 4500 F C | |
| 500-246480-7 | VER_021 | Total/NA | Water | SM 4500 F C | |
| 500-246480-8 | VER_034 | Total/NA | Water | SM 4500 F C | |
| 500-246480-9 | VER_036 | Total/NA | Water | SM 4500 F C | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | SM 4500 F C | |
| 500-246480-11 | VER_037 | Total/NA | Water | SM 4500 F C | |
| 500-246480-12 | VER_038 | Total/NA | Water | SM 4500 F C | |
| 500-246480-13 | VER_040 | Total/NA | Water | SM 4500 F C | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | SM 4500 F C | |
| 500-246480-15 | VER_042 | Total/NA | Water | SM 4500 F C | |
| 500-246480-16 | VER_043 | Total/NA | Water | SM 4500 F C | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | SM 4500 F C | |
| 500-246480-18 | VER_101& | Total/NA | Water | SM 4500 F C | |
| 500-246480-19 | VER_103& | Total/NA | Water | SM 4500 F C | |
| 500-246480-20 | VER_ND3 | Total/NA | Water | SM 4500 F C | |
| 500-246480-22 | VER_004 | Total/NA | Water | SM 4500 F C | |
| 500-246480-23 | VER_005 | Total/NA | Water | SM 4500 F C | |
| 500-246480-24 | VER_007R | Total/NA | Water | SM 4500 F C | |
| 500-246480-28 | VER_041 | Total/NA | Water | SM 4500 F C | |
| MB 500-757490/3 | Method Blank | Total/NA | Water | SM 4500 F C | |
| MB 500-757490/31 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 500-757490/32 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| LCS 500-757490/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 500-246480-6 MS | VER_020 | Total/NA | Water | SM 4500 F C | |
| 500-246480-6 MSD | VER_020 | Total/NA | Water | SM 4500 F C | |
| 500-246480-15 MS | VER_042 | Total/NA | Water | SM 4500 F C | |
| 500-246480-15 MSD | VER_042 | Total/NA | Water | SM 4500 F C | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## General Chemistry

### Analysis Batch: 757868

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-28 | VER_041 | Total/NA | Water | 300.0 | |
| MB 500-757868/9 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-757868/10 | Lab Control Sample | Total/NA | Water | 300.0 | |

## Field Service / Mobile Lab

### Analysis Batch: 755860

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | Field Sampling | |
| 500-246480-2 | VER_003R | Total/NA | Water | Field Sampling | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | Field Sampling | |
| 500-246480-4 | VER_008R | Total/NA | Water | Field Sampling | |
| 500-246480-6 | VER_020 | Total/NA | Water | Field Sampling | |
| 500-246480-7 | VER_021 | Total/NA | Water | Field Sampling | |
| 500-246480-8 | VER_034 | Total/NA | Water | Field Sampling | |
| 500-246480-9 | VER_036 | Total/NA | Water | Field Sampling | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | Field Sampling | |
| 500-246480-11 | VER_037 | Total/NA | Water | Field Sampling | |
| 500-246480-12 | VER_038 | Total/NA | Water | Field Sampling | |
| 500-246480-13 | VER_040 | Total/NA | Water | Field Sampling | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | Field Sampling | |
| 500-246480-15 | VER_042 | Total/NA | Water | Field Sampling | |
| 500-246480-16 | VER_043 | Total/NA | Water | Field Sampling | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | Field Sampling | |
| 500-246480-18 | VER_101& | Total/NA | Water | Field Sampling | |
| 500-246480-19 | VER_103& | Total/NA | Water | Field Sampling | |
| 500-246480-20 | VER_ND3 | Total/NA | Water | Field Sampling | |
| 500-246480-22 | VER_004 | Total/NA | Water | Field Sampling | |
| 500-246480-23 | VER_005 | Total/NA | Water | Field Sampling | |
| 500-246480-24 | VER_007R | Total/NA | Water | Field Sampling | |
| 500-246480-28 | VER_041 | Total/NA | Water | Field Sampling | |
| 500-246480-34 | VER_YSG01 | Total/NA | Water | Field Sampling | |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Method: 200.7 Rev 4.4 - Metals (ICP)

**Lab Sample ID: MB 500-756864/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757263** — **Prep Batch: 756864**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 08:58 | 03/06/24 20:46 | 1 |

**Lab Sample ID: LCS 500-756864/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757263** — **Prep Batch: 756864**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lithium | 0.250 | 0.234 | | mg/L | | 94 | 85 - 115 |

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757263** — **Prep Batch: 756864**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.021 | | 0.250 | 0.267 | | mg/L | | 98 | 70 - 130 |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757263** — **Prep Batch: 756864**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.021 | | 0.250 | 0.271 | | mg/L | | 100 | 70 - 130 | 1 | 20 |

**Lab Sample ID: 500-246480-6 DU** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757263** — **Prep Batch: 756864**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Lithium | 0.021 | | 0.0213 | | mg/L | | 1 | 20 |

**Lab Sample ID: 500-246480-15 DU** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757263** — **Prep Batch: 756864**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0024 | J | 0.00290 | J | mg/L | | 18 | 20 |

**Lab Sample ID: MB 500-756867/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757263** — **Prep Batch: 756867**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/05/24 09:00 | 03/06/24 23:24 | 1 |

**Lab Sample ID: LCS 500-756867/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757263** — **Prep Batch: 756867**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lithium | 0.250 | 0.230 | | mg/L | | 92 | 85 - 115 |

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

**Lab Sample ID: MB 500-756958/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 756958**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/05/24 17:38 | 03/08/24 00:16 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/05/24 17:38 | 03/08/24 00:16 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/05/24 17:38 | 03/08/24 00:16 | 1 |

**Lab Sample ID: MB 500-756958/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 756958**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/05/24 17:38 | 03/11/24 17:23 | 1 |
| Arsenic | <0.0010 | | 0.0010 | 0.00023 | mg/L | | 03/05/24 17:38 | 03/11/24 17:23 | 1 |
| Barium | <0.0025 | | 0.0025 | 0.00073 | mg/L | | 03/05/24 17:38 | 03/11/24 17:23 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/05/24 17:38 | 03/11/24 17:23 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/05/24 17:38 | 03/11/24 17:23 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/05/24 17:38 | 03/11/24 17:23 | 1 |

**Lab Sample ID: MB 500-756958/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 756958**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/05/24 17:38 | 03/14/24 17:17 | 1 |
| Boron | 0.0135 | J | 0.050 | 0.013 | mg/L | | 03/05/24 17:38 | 03/14/24 17:17 | 1 |
| Calcium | 0.0492 | J | 0.20 | 0.044 | mg/L | | 03/05/24 17:38 | 03/14/24 17:17 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 03/05/24 17:38 | 03/14/24 17:17 | 1 |
| Magnesium | <0.20 | | 0.20 | 0.049 | mg/L | | 03/05/24 17:38 | 03/14/24 17:17 | 1 |
| Potassium | <0.50 | | 0.50 | 0.11 | mg/L | | 03/05/24 17:38 | 03/14/24 17:17 | 1 |
| Sodium | <0.20 | | 0.20 | 0.077 | mg/L | | 03/05/24 17:38 | 03/14/24 17:17 | 1 |

**Lab Sample ID: LCS 500-756958/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 756958**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.100 | 0.0916 | | mg/L | | 92 | 80 - 120 |
| Molybdenum | 1.00 | 0.976 | | mg/L | | 98 | 80 - 120 |
| Thallium | 0.100 | 0.0920 | | mg/L | | 92 | 80 - 120 |

**Lab Sample ID: LCS 500-756958/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 756958**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Antimony | 0.500 | 0.533 | | mg/L | | 107 | 80 - 120 |
| Arsenic | 0.100 | 0.0959 | | mg/L | | 96 | 80 - 120 |
| Barium | 0.500 | 0.484 | | mg/L | | 97 | 80 - 120 |
| Cadmium | 0.0500 | 0.0477 | | mg/L | | 95 | 80 - 120 |
| Chromium | 0.200 | 0.188 | | mg/L | | 94 | 80 - 120 |
| Selenium | 0.100 | 0.0985 | | mg/L | | 99 | 80 - 120 |

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

**Lab Sample ID: LCS 500-756958/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 756958**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Beryllium | 0.0500 | 0.0469 | | mg/L | | 94 | 80 - 120 |
| Boron | 1.00 | 0.932 | | mg/L | | 93 | 80 - 120 |
| Calcium | 10.0 | 10.5 | | mg/L | | 105 | 80 - 120 |
| Cobalt | 0.500 | 0.493 | | mg/L | | 99 | 80 - 120 |
| Magnesium | 10.0 | 9.91 | | mg/L | | 99 | 80 - 120 |
| Potassium | 10.0 | 9.61 | | mg/L | | 96 | 80 - 120 |
| Sodium | 10.0 | 9.57 | | mg/L | | 96 | 80 - 120 |

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Lead | <0.00050 | | 0.100 | 0.0917 | | mg/L | | 92 | 75 - 125 |
| Molybdenum | <0.0050 | | 1.00 | 0.994 | | mg/L | | 99 | 75 - 125 |
| Thallium | <0.0020 | | 0.100 | 0.0934 | | mg/L | | 93 | 75 - 125 |

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.500 | 0.565 | | mg/L | | 113 | 75 - 125 |
| Arsenic | 0.00058 | J | 0.100 | 0.104 | | mg/L | | 104 | 75 - 125 |
| Barium | 0.023 | | 0.500 | 0.525 | | mg/L | | 101 | 75 - 125 |
| Cadmium | <0.00050 | | 0.0500 | 0.0498 | | mg/L | | 100 | 75 - 125 |
| Chromium | <0.0050 | | 0.200 | 0.205 | | mg/L | | 103 | 75 - 125 |
| Cobalt | 0.00069 | J | 0.500 | 0.501 | | mg/L | | 100 | 75 - 125 |
| Selenium | <0.0025 | | 0.100 | 0.116 | | mg/L | | 116 | 75 - 125 |

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Beryllium | <0.010 | | 0.0500 | 0.0564 | | mg/L | | 113 | 75 - 125 |
| Boron | 1.7 | B | 1.00 | 2.66 | | mg/L | | 92 | 75 - 125 |
| Calcium | 110 | B | 10.0 | 115 | 4 | mg/L | | 72 | 75 - 125 |
| Magnesium | 47 | | 10.0 | 56.1 | 4 | mg/L | | 87 | 75 - 125 |
| Potassium | 1.1 | J | 10.0 | 12.0 | | mg/L | | 120 | 75 - 125 |
| Sodium | 11 | | 10.0 | 21.6 | | mg/L | | 105 | 75 - 125 |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | <0.00050 | | 0.100 | 0.0907 | | mg/L | | 91 | 75 - 125 | 1 | 20 |
| Molybdenum | <0.0050 | | 1.00 | 1.00 | | mg/L | | 100 | 75 - 125 | 1 | 20 |

# QC Sample Results

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

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | <0.0020 | | 0.100 | 0.0931 | | mg/L | | 93 | 75 - 125 | 0 | 20 |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.500 | 0.567 | | mg/L | | 113 | 75 - 125 | 0 | 20 |
| Arsenic | 0.00058 | J | 0.100 | 0.104 | | mg/L | | 103 | 75 - 125 | 1 | 20 |
| Barium | 0.023 | | 0.500 | 0.510 | | mg/L | | 98 | 75 - 125 | 3 | 20 |
| Cadmium | <0.00050 | | 0.0500 | 0.0504 | | mg/L | | 101 | 75 - 125 | 1 | 20 |
| Chromium | <0.0050 | | 0.200 | 0.196 | | mg/L | | 98 | 75 - 125 | 5 | 20 |
| Cobalt | 0.00069 | J | 0.500 | 0.481 | | mg/L | | 96 | 75 - 125 | 4 | 20 |
| Selenium | <0.0025 | | 0.100 | 0.113 | | mg/L | | 113 | 75 - 125 | 3 | 20 |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 94 | *- ^- | 10.0 | 101 | 4 | mg/L | | 77 | 75 - 125 | 5 | 20 |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | <0.010 | | 0.0500 | 0.0589 | | mg/L | | 118 | 75 - 125 | 4 | 20 |
| Boron | 1.7 | B | 1.00 | 2.79 | | mg/L | | 105 | 75 - 125 | 5 | 20 |
| Magnesium | 47 | | 10.0 | 55.7 | 4 | mg/L | | 83 | 75 - 125 | 1 | 20 |
| Potassium | 1.1 | J | 10.0 | 12.1 | | mg/L | | 121 | 75 - 125 | 1 | 20 |
| Sodium | 11 | | 10.0 | 21.4 | | mg/L | | 103 | 75 - 125 | 1 | 20 |

**Lab Sample ID: 500-246480-6 DU** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Cadmium | <0.00050 | ^5- | <0.00050 | | mg/L | | NC | 20 |
| Lead | <0.00050 | | <0.00050 | | mg/L | | NC | 20 |
| Molybdenum | <0.0050 | | <0.0050 | | mg/L | | NC | 20 |
| Thallium | <0.0020 | | <0.0020 | | mg/L | | NC | 20 |

**Lab Sample ID: 500-246480-6 DU** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | <0.0030 | | mg/L | | NC | 20 |
| Arsenic | 0.00058 | J | 0.000608 | J | mg/L | | 4 | 20 |

# QC Sample Results

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

**Lab Sample ID: 500-246480-6 DU** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Barium | 0.023 | | 0.0218 | | mg/L | | 3 | 20 |
| Cadmium | <0.00050 | | <0.00050 | | mg/L | | NC | 20 |
| Chromium | <0.0050 | | <0.0050 | | mg/L | | NC | 20 |
| Cobalt | 0.00069 | J | 0.000730 | J | mg/L | | 6 | 20 |
| Selenium | <0.0025 | | 0.00118 | J | mg/L | | NC | 20 |

**Lab Sample ID: 500-246480-6 DU** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Antimony | <0.030 | | <0.030 | | mg/L | | NC | 20 |
| Arsenic | <0.010 | | <0.010 | | mg/L | | NC | 20 |
| Barium | 0.022 | J | 0.0240 | J | mg/L | | 9 | 20 |
| Cadmium | <0.0050 | | <0.0050 | | mg/L | | NC | 20 |
| Chromium | <0.050 | | <0.050 | | mg/L | | NC | 20 |
| Cobalt | <0.010 | | <0.010 | | mg/L | | NC | 20 |
| Lead | <0.0050 | | <0.0050 | | mg/L | | NC | 20 |
| Selenium | 0.016 | J | 0.0110 | J F5 | mg/L | | 36 | 20 |
| Thallium | <0.020 | | <0.020 | | mg/L | | NC | 20 |

**Lab Sample ID: 500-246480-6 DU** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Beryllium | <0.010 | | <0.010 | | mg/L | | NC | 20 |
| Boron | 1.7 | B | 1.58 | | mg/L | | 9 | 20 |
| Calcium | 110 | B | 101 | | mg/L | | 6 | 20 |
| Sodium | 11 | | 10.7 | | mg/L | | 4 | 20 |

**Lab Sample ID: 500-246480-6 DU** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758529** — **Prep Batch: 756958**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Beryllium | <0.0010 | ^1+ | <0.0010 | ^1+ | mg/L | | NC | 20 |

**Lab Sample ID: MB 500-757078/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 757078**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/06/24 09:08 | 03/08/24 01:53 | 1 |
| Barium | <0.0025 | | 0.0025 | 0.00073 | mg/L | | 03/06/24 09:08 | 03/08/24 01:53 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 03/06/24 09:08 | 03/08/24 01:53 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/06/24 09:08 | 03/08/24 01:53 | 1 |
| Magnesium | <0.20 | | 0.20 | 0.049 | mg/L | | 03/06/24 09:08 | 03/08/24 01:53 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/06/24 09:08 | 03/08/24 01:53 | 1 |
| Potassium | <0.50 | | 0.50 | 0.11 | mg/L | | 03/06/24 09:08 | 03/08/24 01:53 | 1 |

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

**Lab Sample ID: MB 500-757078/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 757078**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/06/24 09:08 | 03/08/24 01:53 | 1 |

**Lab Sample ID: MB 500-757078/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 757078**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | <0.0010 | | 0.0010 | 0.00023 | mg/L | | 03/06/24 09:08 | 03/11/24 19:44 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/06/24 09:08 | 03/11/24 19:44 | 1 |
| Chromium | 0.00183 | J | 0.0050 | 0.0011 | mg/L | | 03/06/24 09:08 | 03/11/24 19:44 | 1 |

**Lab Sample ID: MB 500-757078/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 757078**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/06/24 09:08 | 03/14/24 15:39 | 1 |
| Boron | 0.0281 | J | 0.050 | 0.013 | mg/L | | 03/06/24 09:08 | 03/14/24 15:39 | 1 |
| Calcium | <0.20 | | 0.20 | 0.044 | mg/L | | 03/06/24 09:08 | 03/14/24 15:39 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/06/24 09:08 | 03/14/24 15:39 | 1 |
| Sodium | <0.20 | | 0.20 | 0.077 | mg/L | | 03/06/24 09:08 | 03/14/24 15:39 | 1 |

**Lab Sample ID: LCS 500-757078/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 757078**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Antimony | 0.500 | 0.575 | | mg/L | | 115 | 80 - 120 |
| Barium | 0.500 | 0.506 | | mg/L | | 101 | 80 - 120 |
| Cobalt | 0.500 | 0.534 | | mg/L | | 107 | 80 - 120 |
| Lead | 0.100 | 0.0962 | | mg/L | | 96 | 80 - 120 |
| Magnesium | 10.0 | 9.34 | | mg/L | | 93 | 80 - 120 |
| Molybdenum | 1.00 | 0.946 | | mg/L | | 95 | 80 - 120 |
| Potassium | 10.0 | 9.70 | | mg/L | | 97 | 80 - 120 |
| Thallium | 0.100 | 0.0959 | | mg/L | | 96 | 80 - 120 |

**Lab Sample ID: LCS 500-757078/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 757078**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Arsenic | 0.100 | 0.104 | | mg/L | | 104 | 80 - 120 |
| Cadmium | 0.0500 | 0.0463 | | mg/L | | 93 | 80 - 120 |
| Chromium | 0.200 | 0.195 | | mg/L | | 97 | 80 - 120 |

# QC Sample Results

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

**Lab Sample ID: LCS 500-757078/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 757078**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Beryllium | 0.0500 | 0.0442 | | mg/L | | 88 | 80 - 120 |
| Boron | 1.00 | 0.881 | | mg/L | | 88 | 80 - 120 |
| Calcium | 10.0 | 10.3 | | mg/L | | 103 | 80 - 120 |
| Selenium | 0.100 | 0.0924 | | mg/L | | 92 | 80 - 120 |
| Sodium | 10.0 | 9.32 | | mg/L | | 93 | 80 - 120 |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.500 | 0.576 | | mg/L | | 115 | 75 - 125 |
| Barium | 0.16 | | 0.500 | 0.642 | | mg/L | | 97 | 75 - 125 |
| Calcium | 88 | B *- | 10.0 | 92.0 | 4 | mg/L | | 42 | 75 - 125 |
| Cobalt | 0.00060 | J | 0.500 | 0.533 | | mg/L | | 106 | 75 - 125 |
| Lead | 0.00081 | | 0.100 | 0.0942 | | mg/L | | 93 | 75 - 125 |
| Magnesium | 51 | | 10.0 | 61.3 | 4 | mg/L | | 102 | 75 - 125 |
| Molybdenum | <0.0050 | | 1.00 | 0.918 | | mg/L | | 92 | 75 - 125 |
| Potassium | 2.7 | | 10.0 | 12.2 | | mg/L | | 95 | 75 - 125 |
| Thallium | <0.0020 | | 0.100 | 0.0949 | | mg/L | | 95 | 75 - 125 |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | <0.00050 | | 0.0500 | 0.0483 | | mg/L | | 97 | 75 - 125 |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.021 | | 0.100 | 0.104 | | mg/L | | 83 | 75 - 125 |
| Beryllium | <0.0010 | | 0.0500 | 0.0473 | | mg/L | | 95 | 75 - 125 |
| Boron | 0.71 | B | 1.00 | 1.57 | | mg/L | | 85 | 75 - 125 |
| Chromium | 0.0015 | J | 0.200 | 0.190 | | mg/L | | 94 | 75 - 125 |
| Selenium | <0.0025 | | 0.100 | 0.0819 | | mg/L | | 82 | 75 - 125 |
| Sodium | 56 | | 10.0 | 62.9 | 4 | mg/L | | 70 | 75 - 125 |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.500 | 0.584 | | mg/L | | 117 | 75 - 125 | 1 | 20 |
| Barium | 0.16 | | 0.500 | 0.650 | | mg/L | | 99 | 75 - 125 | 1 | 20 |
| Calcium | 88 | B *- | 10.0 | 94.9 | 4 | mg/L | | 70 | 75 - 125 | 3 | 20 |
| Cobalt | 0.00060 | J | 0.500 | 0.531 | | mg/L | | 106 | 75 - 125 | 0 | 20 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

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

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 0.00081 | | 0.100 | 0.0933 | | mg/L | | 92 | 75 - 125 | 1 | 20 |
| Magnesium | 51 | | 10.0 | 61.5 | 4 | mg/L | | 104 | 75 - 125 | 0 | 20 |
| Molybdenum | <0.0050 | | 1.00 | 0.933 | | mg/L | | 93 | 75 - 125 | 2 | 20 |
| Potassium | 2.7 | | 10.0 | 12.5 | | mg/L | | 97 | 75 - 125 | 2 | 20 |
| Thallium | <0.0020 | | 0.100 | 0.0911 | | mg/L | | 91 | 75 - 125 | 4 | 20 |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium | <0.00050 | | 0.0500 | 0.0496 | | mg/L | | 99 | 75 - 125 | 3 | 20 |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.021 | | 0.100 | 0.106 | | mg/L | | 85 | 75 - 125 | 2 | 20 |
| Beryllium | <0.0010 | | 0.0500 | 0.0450 | | mg/L | | 90 | 75 - 125 | 5 | 20 |
| Boron | 0.71 | B | 1.00 | 1.63 | | mg/L | | 92 | 75 - 125 | 4 | 20 |
| Chromium | 0.0015 | J | 0.200 | 0.196 | | mg/L | | 97 | 75 - 125 | 3 | 20 |
| Selenium | <0.0025 | | 0.100 | 0.0841 | | mg/L | | 84 | 75 - 125 | 3 | 20 |
| Sodium | 56 | | 10.0 | 65.0 | 4 | mg/L | | 91 | 75 - 125 | 3 | 20 |

**Lab Sample ID: 500-246480-15 DU** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757459** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | | <0.0030 | | mg/L | | | | NC | 20 |
| Barium | 0.16 | | | 0.159 | | mg/L | | | | 2 | 20 |
| Cadmium | <0.00050 | ^5- | | <0.00050 | | mg/L | | | | NC | 20 |
| Cobalt | 0.00060 | J | | 0.000477 | J F5 | mg/L | | | | 23 | 20 |
| Lead | 0.00081 | | | 0.000813 | | mg/L | | | | 0.2 | 20 |
| Magnesium | 51 | | | 54.1 | | mg/L | | | | 6 | 20 |
| Molybdenum | <0.0050 | | | <0.0050 | | mg/L | | | | NC | 20 |
| Potassium | 2.7 | | | 2.86 | | mg/L | | | | 5 | 20 |
| Selenium | <0.0025 | ^+ | | <0.0025 | ^+ | mg/L | | | | NC | 20 |
| Thallium | <0.0020 | | | <0.0020 | | mg/L | | | | NC | 20 |

**Lab Sample ID: 500-246480-15 DU** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 757847** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Barium | 0.16 | | | 0.161 | | mg/L | | | | 0.3 | 20 |
| Cadmium | <0.00050 | | | <0.00050 | | mg/L | | | | NC | 20 |

# QC Sample Results

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

**Lab Sample ID: 500-246480-15 DU** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 758475** — **Prep Batch: 757078**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | <0.0010 | | | <0.0010 | | mg/L | | | | NC | 20 |
| Boron | 0.71 | B | | 0.724 | | mg/L | | | | 1 | 20 |
| Calcium | 97 | | | 97.1 | | mg/L | | | | 0.5 | 20 |
| Selenium | <0.0025 | | | <0.0025 | | mg/L | | | | NC | 20 |
| Sodium | 56 | | | 58.2 | | mg/L | | | | 4 | 20 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 500-756906/12-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757131** — **Prep Batch: 756906**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/05/24 10:40 | 03/06/24 07:12 | 1 |

**Lab Sample ID: LCS 500-756906/13-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757131** — **Prep Batch: 756906**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | | | 0.00201 | 0.00178 | | mg/L | | 89 | 80 - 120 | | |

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757131** — **Prep Batch: 756906**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00100 | 0.000876 | | mg/L | | 88 | 75 - 125 | | |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757131** — **Prep Batch: 756906**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00100 | 0.000989 | | mg/L | | 99 | 75 - 125 | 12 | 20 |

**Lab Sample ID: 500-246480-6 DU** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757131** — **Prep Batch: 756906**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | | <0.00020 | | mg/L | | | | NC | 20 |

**Lab Sample ID: MB 500-757117/12-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757337** — **Prep Batch: 757117**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000079 | mg/L | | 03/06/24 10:55 | 03/07/24 08:03 | 1 |

# QC Sample Results

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

**Lab Sample ID: LCS 500-757117/13-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757337** — **Prep Batch: 757117**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00201 | 0.00188 | | mg/L | | 94 | 80 - 120 |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757337** — **Prep Batch: 757117**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00100 | 0.000865 | | mg/L | | 87 | 75 - 125 |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757337** — **Prep Batch: 757117**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00100 | 0.000919 | | mg/L | | 92 | 75 - 125 | 6 | 20 |

**Lab Sample ID: 500-246480-15 DU** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757337** — **Prep Batch: 757117**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | <0.00020 | | mg/L | | NC | 20 |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 500-756576/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756576**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.0 | | 1.0 | 0.12 | mg/L | | | 03/02/24 13:32 | 1 |
| Sulfate | <1.0 | | 1.0 | 0.21 | mg/L | | | 03/02/24 13:32 | 1 |

**Lab Sample ID: LCS 500-756576/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756576**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 22.0 | | mg/L | | 110 | 90 - 110 |
| Sulfate | 20.0 | 21.0 | | mg/L | | 105 | 90 - 110 |

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756576**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3.9 | | 10.0 | 13.7 | | mg/L | | 99 | 80 - 120 |

# QC Sample Results

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756576**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 88 | | 100 | 186 | | mg/L | | 98 | 80 - 120 |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756576**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 3.9 | | 10.0 | 13.8 | | mg/L | | 99 | 80 - 120 | 0 | 20 |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756576**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 88 | | 100 | 187 | | mg/L | | 99 | 80 - 120 | 0 | 20 |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756576**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 15 | | 10.0 | 25.8 | | mg/L | | 106 | 80 - 120 |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756576**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 15 | | 10.0 | 25.9 | | mg/L | | 108 | 80 - 120 | 0 | 20 |

**Lab Sample ID: MB 500-756923/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756923**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | <1.0 | | 1.0 | 0.21 | mg/L | | | 03/05/24 13:09 | 1 |

**Lab Sample ID: LCS 500-756923/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756923**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Sulfate | 20.0 | 20.6 | | mg/L | | 103 | 90 - 110 |

**Lab Sample ID: MB 500-756942/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756942**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.0 | | 1.0 | 0.12 | mg/L | | | 03/06/24 07:24 | 1 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: MB 500-756942/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756942**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | <1.0 | | 1.0 | 0.21 | mg/L | | | 03/06/24 07:24 | 1 |

**Lab Sample ID: LCS 500-756942/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756942**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 22.0 | | mg/L | | 110 | 90 - 110 |
| Sulfate | 20.0 | 21.1 | | mg/L | | 105 | 90 - 110 |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756942**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 96 | | 50.0 | 143 | | mg/L | | 95 | 80 - 120 |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 756942**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 96 | | 50.0 | 141 | | mg/L | | 90 | 80 - 120 | 2 | 20 |

**Lab Sample ID: MB 500-757486/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757486**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | <1.0 | | 1.0 | 0.21 | mg/L | | | 03/09/24 19:48 | 1 |

**Lab Sample ID: LCS 500-757486/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757486**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Sulfate | 20.0 | 21.8 | | mg/L | | 109 | 90 - 110 |

**Lab Sample ID: 500-246480-18 MS** — **Client Sample ID: VER_101&**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757486**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 100 | | 100 | 204 | | mg/L | | 101 | 80 - 120 |

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 500-246480-18 MSD** — **Client Sample ID: VER_101&**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757486**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 100 | | 100 | 203 | | mg/L | | 100 | 80 - 120 | 1 | 20 |

**Lab Sample ID: MB 500-757868/9** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757868**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 0.145 | J | 1.0 | 0.12 | mg/L | | | 03/12/24 12:02 | 1 |
| Sulfate | <1.0 | | 1.0 | 0.21 | mg/L | | | 03/12/24 12:02 | 1 |

**Lab Sample ID: LCS 500-757868/10** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757868**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 20.3 | | mg/L | | 101 | 90 - 110 |
| Sulfate | 20.0 | 19.9 | | mg/L | | 100 | 90 - 110 |

## Method: SM 2320B - Alkalinity

**Lab Sample ID: MB 500-757067/11** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757067**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bicarbonate Alkalinity as CaCO3 | 5.01 | | 5.0 | 3.7 | mg/L | | | 03/05/24 15:27 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 15:27 | 1 |

**Lab Sample ID: MB 500-757067/32** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757067**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 18:20 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 18:20 | 1 |

**Lab Sample ID: MB 500-757067/57** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757067**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bicarbonate Alkalinity as CaCO3 | 5.84 | | 5.0 | 3.7 | mg/L | | | 03/05/24 21:55 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/24 21:55 | 1 |

**Lab Sample ID: LCS 500-757067/33** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757067**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Alkalinity | 100 | 107 | | mg/L | | 107 | 95 - 121 |

## Method: SM 2320B - Alkalinity (Continued)

**Lab Sample ID: LCS 500-757067/58** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757067**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | | | 100 | 113 | | mg/L | | 113 | 95 - 121 | | |

**Lab Sample ID: LCS 500-757067/7** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757067**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | | | 100 | 116 | | mg/L | | 116 | 95 - 121 | | |

**Lab Sample ID: 500-246480-10 DU** — **Client Sample ID: VER_036_FD**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757067**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bicarbonate Alkalinity as CaCO3 | 130 | B | | 133 | | mg/L | | | | 0.8 | 20 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | | <5.0 | | mg/L | | | | NC | 20 |

**Lab Sample ID: 500-246480-15 DU** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757067**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bicarbonate Alkalinity as CaCO3 | 470 | | | 476 | | mg/L | | | | 0.9 | 20 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | | <5.0 | | mg/L | | | | NC | 20 |

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

**Lab Sample ID: MB 500-755368/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755368**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 02/22/24 23:41 | 1 |

**Lab Sample ID: LCS 500-755368/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755368**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | | | 250 | 242 | | mg/L | | 97 | 80 - 120 | | |

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755368**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 530 | | 250 | 736 | | mg/L | | 82 | 75 - 125 | | |

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

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755368**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 530 | | 250 | 726 | | mg/L | | 78 | 75 - 125 | 1 | 20 |

**Lab Sample ID: 500-246480-7 DU** — **Client Sample ID: VER_021**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755368**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 870 | | | 846 | | mg/L | | | | 2 | 5 |

**Lab Sample ID: MB 500-755754/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755754**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 02/26/24 20:36 | 1 |

**Lab Sample ID: LCS 500-755754/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755754**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | | | 250 | 234 | | mg/L | | 94 | 80 - 120 | | |

**Lab Sample ID: MB 500-755755/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755755**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 02/26/24 22:25 | 1 |

**Lab Sample ID: LCS 500-755755/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755755**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | | | 250 | 242 | | mg/L | | 97 | 80 - 120 | | |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755755**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 590 | | 250 | 808 | | mg/L | | 88 | 75 - 125 | | |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755755**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 590 | | 250 | 786 | | mg/L | | 79 | 75 - 125 | 3 | 20 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

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

**Lab Sample ID: 500-246480-16 DU** — **Client Sample ID: VER_043**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755755**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | | | 962 | | mg/L | | | | 5 | 5 |

**Lab Sample ID: MB 500-755969/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755969**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 02/27/24 22:23 | 1 |

**Lab Sample ID: LCS 500-755969/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 755969**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | | | 250 | 256 | | mg/L | | 102 | 80 - 120 | | |

## Method: SM 4500 F C - Fluoride

**Lab Sample ID: MB 500-757490/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757490**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/07/24 15:02 | 1 |

**Lab Sample ID: MB 500-757490/31** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757490**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/07/24 17:22 | 1 |

**Lab Sample ID: LCS 500-757490/32** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757490**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | | | 10.0 | 9.98 | | mg/L | | 100 | 90 - 119 | | |

**Lab Sample ID: LCS 500-757490/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757490**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | | | 10.0 | 9.87 | | mg/L | | 99 | 90 - 119 | | |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Method: SM 4500 F C - Fluoride (Continued)

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757490**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.079 | J | 5.00 | 5.02 | | mg/L | | 99 | 75 - 125 | | |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757490**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.079 | J | 5.00 | 5.24 | | mg/L | | 103 | 75 - 125 | 4 | 20 |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757490**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.55 | | 5.00 | 5.49 | | mg/L | | 99 | 75 - 125 | | |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 757490**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.55 | | 5.00 | 5.49 | | mg/L | | 99 | 75 - 125 | 0 | 20 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_002

**Lab Sample ID: 500-246480-1**
**Matrix: Water**

**Date Collected: 02/20/24 12:20**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 20:55 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 00:30 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 17:30 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758475 | RN | EET CHI | 03/14/24 17:30 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 07:16 |
| Total/NA | Analysis | 300.0 | | 2 | 756576 | W1T | EET CHI | 03/02/24 14:18 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 15:56 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:09 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 15:13 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 12:20 |

## Client Sample ID: VER_003R

**Lab Sample ID: 500-246480-2**
**Matrix: Water**

**Date Collected: 02/20/24 16:40**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 20:59 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 00:34 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 17:34 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 50 | 758475 | RN | EET CHI | 03/14/24 17:33 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 12:43 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 07:18 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 14:33 |
| Total/NA | Analysis | 300.0 | | 20 | 756923 | NMB | EET CHI | 03/05/24 20:29 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 16:09 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:12 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 15:19 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 16:40 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_003R_FD

**Lab Sample ID: 500-246480-3**
**Matrix: Water**

**Date Collected: 02/20/24 16:40**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 21:03 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 00:37 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 17:40 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 50 | 758475 | RN | EET CHI | 03/14/24 17:37 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 12:47 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 07:20 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 14:48 |
| Total/NA | Analysis | 300.0 | | 20 | 756923 | NMB | EET CHI | 03/05/24 20:14 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 16:18 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:14 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 15:24 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 16:40 |

## Client Sample ID: VER_008R

**Lab Sample ID: 500-246480-4**
**Matrix: Water**

**Date Collected: 02/20/24 17:25**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 21:08 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 00:41 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 17:47 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 50 | 758475 | RN | EET CHI | 03/14/24 17:40 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 12:50 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 07:23 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 15:03 |
| Total/NA | Analysis | 300.0 | | 50 | 756576 | W1T | EET CHI | 03/02/24 15:19 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 16:28 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:17 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 15:28 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 17:25 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_020

**Lab Sample ID: 500-246480-6**
**Matrix: Water**

**Date Collected: 02/20/24 09:25**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 21:16 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 00:51 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 18:11 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 10 | 758475 | RN | EET CHI | 03/14/24 17:50 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 12:54 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 07:27 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 16:34 |
| Total/NA | Analysis | 300.0 | | 10 | 756576 | W1T | EET CHI | 03/02/24 16:49 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 16:47 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:22 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 15:38 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 09:25 |

## Client Sample ID: VER_021

**Lab Sample ID: 500-246480-7**
**Matrix: Water**

**Date Collected: 02/20/24 16:30**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 21:46 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:15 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 18:52 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 758475 | RN | EET CHI | 03/14/24 18:14 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 07:54 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 18:05 |
| Total/NA | Analysis | 300.0 | | 20 | 756942 | W1T | EET CHI | 03/06/24 07:54 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 16:56 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:30 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:04 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 16:30 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_034
**Date Collected: 02/20/24 09:35**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-8
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 21:51 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:19 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 18:56 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758475 | RN | EET CHI | 03/14/24 18:18 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 08:10 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 18:20 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 17:06 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:35 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:09 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 09:35 |

## Client Sample ID: VER_036
**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-9
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 21:55 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:22 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 18:59 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 20 | 758475 | RN | EET CHI | 03/14/24 18:21 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 13:12 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 08:12 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 18:36 |
| Total/NA | Analysis | 300.0 | | 100 | 756576 | W1T | EET CHI | 03/02/24 18:51 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 17:16 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:37 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:14 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 15:15 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_036_FD
**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-10
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 21:59 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:26 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 19:06 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 20 | 758475 | RN | EET CHI | 03/14/24 18:25 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 13:16 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 08:14 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 19:36 |
| Total/NA | Analysis | 300.0 | | 100 | 756576 | W1T | EET CHI | 03/02/24 19:51 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 17:24 |
| Total/NA | Analysis | SM 2540C | | 1 | 755368 | CLB | EET CHI | 02/23/24 00:40 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:19 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 15:15 |

## Client Sample ID: VER_037
**Date Collected: 02/20/24 14:35**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-11
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 22:04 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:29 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 10 | 757847 | RN | EET CHI | 03/11/24 19:13 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 10 | 758475 | RN | EET CHI | 03/14/24 18:28 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 13:26 |
| Total/NA | Prep | 7470A | | | 756906 | MJG | EET CHI | 03/05/24 10:40 - 03/05/24 12:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757131 | MJG | EET CHI | 03/06/24 08:16 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 20:07 |
| Total/NA | Analysis | 300.0 | | 20 | 756942 | W1T | EET CHI | 03/06/24 08:55 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 17:45 |
| Total/NA | Analysis | SM 2540C | | 1 | 755754 | CLB | EET CHI | 02/26/24 21:27 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:23 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 14:35 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_038
**Date Collected: 02/20/24 10:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-12
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 22:08 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:33 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 19:17 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758475 | RN | EET CHI | 03/14/24 18:32 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:07 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 20:22 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 17:54 |
| Total/NA | Analysis | SM 2540C | | 1 | 755754 | CLB | EET CHI | 02/26/24 21:30 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:28 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 10:30 |

## Client Sample ID: VER_040
**Date Collected: 02/20/24 11:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-13
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 22:12 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:36 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 19:27 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 50 | 758475 | RN | EET CHI | 03/14/24 18:35 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 13:30 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:09 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 20:37 |
| Total/NA | Analysis | 300.0 | | 100 | 756576 | W1T | EET CHI | 03/02/24 20:52 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 18:04 |
| Total/NA | Analysis | SM 2540C | | 1 | 755969 | CLB | EET CHI | 02/27/24 23:19 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:33 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 11:20 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_040_FD
**Date Collected: 02/20/24 11:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-14
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 22:16 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:40 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 19:34 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 10 | 758529 | RN | EET CHI | 03/15/24 12:20 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 13:34 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:11 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 21:07 |
| Total/NA | Analysis | 300.0 | | 100 | 756576 | W1T | EET CHI | 03/02/24 21:22 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 18:12 |
| Total/NA | Analysis | SM 2540C | | 1 | 755969 | CLB | EET CHI | 02/27/24 23:22 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:38 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 11:20 |

## Client Sample ID: VER_042
**Date Collected: 02/20/24 12:17**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-15
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 22:30 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 02:00 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 19:51 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 758475 | RN | EET CHI | 03/14/24 15:42 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:13 |
| Total/NA | Analysis | 300.0 | | 1 | 756576 | W1T | EET CHI | 03/02/24 21:37 |
| Total/NA | Analysis | 300.0 | | 5 | 756942 | W1T | EET CHI | 03/06/24 09:10 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 18:33 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 22:30 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 18:07 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 12:17 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_043
**Date Collected: 02/20/24 11:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-16
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 22:52 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 01:43 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 19:41 |
| Total Recoverable | Prep | 3005A | | | 756958 | MC | EET CHI | 03/05/24 17:38 - 03/05/24 22:38 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758475 | RN | EET CHI | 03/14/24 18:49 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:26 |
| Total/NA | Analysis | 300.0 | | 5 | 756576 | W1T | EET CHI | 03/02/24 23:08 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 18:54 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 22:37 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:44 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 11:30 |

## Client Sample ID: VER_043_FD
**Date Collected: 02/20/24 11:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-17
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 22:56 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 02:18 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 20:15 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758475 | RN | EET CHI | 03/14/24 16:06 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:28 |
| Total/NA | Analysis | 300.0 | | 5 | 756576 | W1T | EET CHI | 03/02/24 23:39 |
| Total/NA | Analysis | 300.0 | | 10 | 756942 | W1T | EET CHI | 03/06/24 09:56 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 19:04 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 22:43 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 16:48 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 11:30 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_101&
**Date Collected: 02/20/24 13:45**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-18
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 23:00 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 02:22 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 20:18 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 10 | 758475 | RN | EET CHI | 03/14/24 16:10 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 13:47 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:30 |
| Total/NA | Analysis | 300.0 | | 1 | 756942 | W1T | EET CHI | 03/06/24 10:11 |
| Total/NA | Analysis | 300.0 | | 10 | 757486 | W1T | EET CHI | 03/09/24 21:19 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 19:19 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 22:45 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 17:04 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 13:45 |

## Client Sample ID: VER_103&
**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-19
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 23:05 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 02:25 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 20:25 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 758475 | RN | EET CHI | 03/14/24 16:13 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:33 |
| Total/NA | Analysis | 300.0 | | 1 | 756942 | W1T | EET CHI | 03/06/24 10:56 |
| Total/NA | Analysis | 300.0 | | 100 | 757486 | W1T | EET CHI | 03/09/24 22:05 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 19:29 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 22:48 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 17:09 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 15:15 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_ND3
**Date Collected: 02/20/24 13:40**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-20
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756864 | BDE | EET CHI | 03/05/24 08:58 - 03/05/24 14:58 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 23:09 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 02:35 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 20:29 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 20 | 758475 | RN | EET CHI | 03/14/24 16:17 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 13:50 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:35 |
| Total/NA | Analysis | 300.0 | | 1 | 756942 | W1T | EET CHI | 03/06/24 11:11 |
| Total/NA | Analysis | 300.0 | | 100 | 757486 | W1T | EET CHI | 03/09/24 22:50 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 19:38 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 22:50 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 17:13 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/20/24 13:40 |

## Client Sample ID: VER_004
**Date Collected: 02/21/24 08:45**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-22
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756867 | BDE | EET CHI | 03/05/24 09:00 - 03/05/24 15:00 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/06/24 23:57 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 02:42 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 20:46 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 10 | 758475 | RN | EET CHI | 03/14/24 16:25 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 13:54 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:39 |
| Total/NA | Analysis | 300.0 | | 1 | 756942 | W1T | EET CHI | 03/06/24 11:42 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 20:58 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 22:56 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 17:31 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/21/24 08:45 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_005
**Date Collected: 02/21/24 09:40**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-23
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756867 | BDE | EET CHI | 03/05/24 09:00 - 03/05/24 15:00 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/07/24 00:02 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 02:46 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 20:53 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 20 | 757847 | RN | EET CHI | 03/11/24 20:56 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 20 | 758475 | RN | EET CHI | 03/14/24 16:29 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 14:05 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:41 |
| Total/NA | Analysis | 300.0 | | 1 | 756942 | W1T | EET CHI | 03/06/24 11:57 |
| Total/NA | Analysis | 300.0 | | 10 | 757486 | W1T | EET CHI | 03/09/24 23:05 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 21:08 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 22:58 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 17:36 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/21/24 09:40 |

## Client Sample ID: VER_007R
**Date Collected: 02/21/24 11:20**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-24
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756867 | BDE | EET CHI | 03/05/24 09:00 - 03/05/24 15:00 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/07/24 00:16 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 02:49 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 21:00 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 50 | 758475 | RN | EET CHI | 03/14/24 16:32 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 14:08 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:47 |
| Total/NA | Analysis | 300.0 | | 1 | 756942 | W1T | EET CHI | 03/06/24 12:12 |
| Total/NA | Analysis | 300.0 | | 100 | 757486 | W1T | EET CHI | 03/09/24 23:21 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 21:17 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 23:01 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 17:41 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Client Sample ID: VER_007R
**Date Collected: 02/21/24 11:20**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-24
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/21/24 11:20 |

## Client Sample ID: VER_041
**Date Collected: 02/21/24 12:05**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-28
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 756867 | BDE | EET CHI | 03/05/24 09:00 - 03/05/24 15:00 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 757263 | SJ | EET CHI | 03/07/24 00:33 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757459 | RN | EET CHI | 03/08/24 03:13 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 757847 | RN | EET CHI | 03/11/24 21:27 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 10 | 758475 | RN | EET CHI | 03/14/24 16:57 |
| Total Recoverable | Prep | 3005A | | | 757078 | BDE | EET CHI | 03/06/24 09:08 - 03/06/24 15:08 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 758529 | RN | EET CHI | 03/15/24 14:19 |
| Total/NA | Prep | 7470A | | | 757117 | MJG | EET CHI | 03/06/24 10:55 - 03/06/24 12:55 [1] |
| Total/NA | Analysis | 7470A | | 1 | 757337 | MJG | EET CHI | 03/07/24 08:56 |
| Total/NA | Analysis | 300.0 | | 1 | 756942 | W1T | EET CHI | 03/06/24 13:13 |
| Total/NA | Analysis | 300.0 | | 5 | 757868 | MB | EET CHI | 03/12/24 13:02 |
| Total/NA | Analysis | SM 2320B | | 1 | 757067 | LEG | EET CHI | 03/05/24 22:21 |
| Total/NA | Analysis | SM 2540C | | 1 | 755755 | CLB | EET CHI | 02/26/24 23:11 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 757490 | LEG | EET CHI | 03/07/24 18:27 |
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/21/24 12:05 |

## Client Sample ID: VER_YSG01
**Date Collected: 02/19/24 14:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-34
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Field Sampling | | 1 | 755860 | DN | EET CHI | 02/19/24 14:20 |

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

**Laboratory References:**
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-3
SDG: VER_845_910-911

## Laboratory: Eurofins Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Illinois | NELAP | IL00035 | 04-29-24 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 200.7 Rev 4.4 | 200.7 | Water | Lithium |
| Field Sampling | | Water | Depth to Water (ft from MP) |
| Field Sampling | | Water | Field pH |
| Field Sampling | | Water | Field Temperature |
| Field Sampling | | Water | Oxidation Reduction Potential |
| Field Sampling | | Water | Oxygen, Dissolved |
| Field Sampling | | Water | Specific Conductance |
| Field Sampling | | Water | Turbidity |
| SM 2320B | | Water | Bicarbonate Alkalinity as CaCO3 |
| SM 2320B | | Water | Carbonate Alkalinity as CaCO3 |

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

500-246480

500-246480 COC

Page 1 of 3

**Section A** Required Client Information

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 Fax: |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To | Brian Voelker |
| Copy To. | Sam Davies samantha.davies@vistracorp.com |
| | Dianna Tickner - Dianna Tickner@vistracorp com |
| Purchase Order No | |
| Project Name | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dave McCoy |
| Company Name | A3 Environmental |
| Address | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference | |
| Project Manager: | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | VER_002 | | | 2/20/24 | 12:20 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 2 | VER_003R | | | 2/20/24 | 16:40 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 3 | VER_003R_FD | | | 2/20/24 | 16:40 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | ~~VER_004~~ | | | | | | | | | | | | | | | | ~~X~~ | | | | ~~X~~ | ~~X~~ | | | | | | | | |
| | ~~VER_005~~ | | | | | | | | | | | | | | | | ~~X~~ | | | | ~~X~~ | ~~X~~ | | | | | | | | |
| | ~~VER_007R~~ | | | | | | | | | | | | | | | | ~~X~~ | | | | ~~X~~ | ~~X~~ | | | | | | | | |
| 4 | VER_008R | | | 2/20/24 | 17:25 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 5 | VER_010 | | | 2/20/24 | 17:55 | | 6 | | | | | | | | | | | X | X | X | | X | | | | | | | | |
| | ~~VER_016IB~~ | | | | | | | | | | | | | | | | | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | | | | | | | | |
| | ~~VER_016A~~ | | | | | | | | | | | | | | | | | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | | | | | | | | |
| | ~~VER_017~~ | | | | | | | | | | | | | | | | ~~X~~ | | | | ~~X~~ | ~~X~~ | | | | | | | | |
| 6 | VER_020 | | | 2/20/24 | 9:25 | | 18 | | | | | | | | | | X | | | | X | X | | | | | | | | MS/MSD |
| 7 | VER_021 | | | 2/20/24 | 10:30 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | ~~VER_022~~ | | | | | | | | | | | | | | | | | ~~X~~ | | | ~~X~~ | ~~X~~ | | | | | | | | |
| 8 | VER_034 | | | 2/20/24 | 09:35 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | ~~VER_035#S~~ | | | | | | | | | | | | | | | | | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | [illegible] A3E | 2.21.24 | 930 | [illegible] | 2/21/24 | 09:30 | |
| | [illegible] | 2/21/24 | 1120 | [illegible] | 2/21/24 | 1120 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave McCoy / Taylor Olsen - Allison Barkett

SIGNATURE of SAMPLER: [illegible] DATE Signed (MM/DD/YY): 2/20/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

5.8→5.3, 4.6→4.1, 3.1→2.6, 4.4→3.9, 5.6→5.1, 4.1→3.6

500-246280

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page 2 of 3

**Section A** Required Client Information

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 |
| Fax. | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To | Brian Voelker |
| Copy To | Sam Davies. samantha.davies@vistracorp.com |
| | Dianna Tickner - Dianna Tickner@vistracorp.com |
| Purchase Order No | |
| Project Name | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention | Dave McCoy |
| Company Name | A3 Environmental |
| Address | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference | |
| Project Manager: | Donna Campbell & Dirk Nelson |
| Profile # | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID (A-Z, 0-9 / ) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ~~VER_035&D~~ | | | | | | | | | | | | | | | | | X | X | X | | X | | | | | | | | |
| 9 | VER_036 | | | 2/20/24 | 15:15 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 10 | VER_036_FD | | | 2/20/24 | 15:15 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 11 | VER_037 | | | 2/20/24 | 14:35 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 12 | VER_038 | | | 2/20/24 | 10:30 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 13 | VER_040 | | | 2/20/24 | 11:20 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 14 | VER_040_FD | | | 2/20/24 | 11:20 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | ~~VER_041~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 15 | VER_042 | | | 2/20/24 | 12:17 | | | | | | | | | | | | X | | | | X | X | | | | | | | | MS/MSD |
| 16 | VER_043 | | | 2/20/24 | 11:30 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 17 | VER_043_FD | | | 2/20/24 | 11:30 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | ~~VER_070#S~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | ~~VER_070&D~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | ~~VER_071#S~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | ~~VER_071&D~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| 18 | VER_101& | | | 2/20/24 | 13:45 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |

| | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | Dave McCoy A3E | 2.21.24 | 0930 | Verna Blanchard | 2/21/24 | 09:30 | |
| | Verna Blanchard | 2/21/24 | 1120 | [illegible] | 2/21/24 | 1120 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave McCoy Taylor Clark

SIGNATURE of SAMPLER: [illegible]

DATE Signed (MM/DD/YY): 2/20/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

500-246480

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 3 of 3

**Section A** Required Client Information.

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 Fax: |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To | Brian Voelker |
| Copy To | Sam Davies samantha.davies@vistracorp.com |
| | Dianna Tickner - Dianna Tickner@vistracorp.com |
| Purchase Order No | |
| Project Name | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information

| | |
|---|---|
| Attention | Dave McCoy |
| Company Name | A3 Environmental |
| Address | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference | |
| Project Manager: | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

**Valid Matrix Codes**

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | VER_103& | | | 2/24/24 | 1515 | | 6 | | | | | | | | | X | | | | X | X | | |
| 20 | VER_ND3 | | | 2/20/24 | 1340 | | 6 | | | | | | | | | X | | | | X | | | No RAD Analysis |
| | ~~VER_NED1~~ | | | | | | | | | | | | | | | | X | | | X | | | ~~No RAD Analysis~~ |
| | ~~VER_OED1~~ | | | | | | | | | | | | | | | X | | | | X | | | ~~No RAD Analysis~~ |
| | ~~VER_FB~~ | | | | | | | | | | | | | | | | X | X | X | | X | | |
| 21 | VER_EB1 | | | 2/20/24 | 1750 | | 7 | | | | | | | | | | X | X | X | | X | | |
| | ~~VER_EB2~~ | | | | | | | | | | | | | | | | X | X | X | | X | | |
| | ~~VER_EB3~~ | | | | | | | | | | | | | | | | X | X | X | | X | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | Dave A3E | 2-21-24 | 0930 | [illegible] | 2/21/24 | 0930 | |
| | [illegible] | 2/21/24 | 1120 | [illegible] | 2/21/24 | 1120 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave Ng Taylor Clark

SIGNATURE of SAMPLER: [illegible] DATE Signed (MM/DD/YY): 2/20/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

500-246480

Page: 1 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone: (217) 753-8911 | Fax: |
| Requested Due Date/TAT: | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Sam Davies: samantha.davies@vistracorp.com |
| | Dianna Tickner Dianna.Tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name: | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dave McCoy |
| Company Name: | A3 Environmental |
| Address: | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference: | |
| Project Manager | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | W |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | S |

SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ~~VER_002~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_003R~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_003R_FD~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| 22 | VER_004 | | | 2.21.24 | 0845 | | | | | | | | | | | X | | | | X | X | | | | | | | |
| 23 | VER_005 | | | 2.21.24 | 0940 | | | | | | | | | | | X | | | | X | X | | | | | | | |
| 24 | VER_007R | | | 2.21.24 | 11:20 | | 6 | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_008R~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_010~~ | | | | | | | | | | | | | | | | X | X | X | | X | | | | | | | |
| | ~~VER_016IB~~ | | | | | | | | | | | | | | | | X | X | X | | X | | | | | | | |
| 25 | VER_016A | | | 2.21.24 | 1315 | | 7 | | | | | | | | | | X | X | X | | X | | | | | | | |
| | ~~VER_017~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_020~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | MS/MSD |
| | ~~VER_021~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| 26 | VER_022 | | | 2.21.24 | 1110 | | 6 | | | | | | | | | | X | | | X | X | | | | | | | |
| | ~~VER_034~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_035#S~~ | | | | | | | | | | | | | | | | X | X | X | | X | | | | | | | |

500-246480 COC

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | Dave NY | 2.21.24 | 1630 | Jason Blenes | 2/22/24 | 0923 | |
| | Jason Blenes 2/22/24 | 2.21.24 | 1118 | Stephanie Hernandez EFIA | 2/22/24 | 1118 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVE McCoy

SIGNATURE of SAMPLER: 2/21/24

DATE Signed (MM/DD/YY): 2.21.24

Temp in °C: 4.6→4.1, 3.2→2.7, 1.0→1.5, 3.0→2.5 | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

DM

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

500-246490

Page: 2 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone: (217) 753-8911 | Fax: |
| Requested Due Date/TAT: | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Sam Davies: samantha.davies@vistracorp.com |
| | Dianna Tickner Dianna.Tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name: | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dave McCoy |
| Company Name: | A3 Environmental |
| Address: | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference: | |
| Project Manager | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | P |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| | ITEM # | SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 26 | VER_035&D | | | 2/21/24 | 13:05 | | 6 | | | | | | | | | | | X | X | X | | X | | | | | | | | |
| | | ~~VER_036~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_036_FD~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_037~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_038~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_040~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_040_FD~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 28 | 27 | VER_041 | | | 2.21.24 | 12:05 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_042~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | MS/MSD |
| | | ~~VER_043~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_043_FD~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 29 | 28 | VER_070#S | | | 2.21.24 | 0920 | | 6 | | | | | | | | | | | X | | | X | X | | | | | | | | |
| 30 | 29 | VER_070&D | | | 2.21.24 | 0845 | | 6 | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | | ~~VER_071#S~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | | ~~VER_071&D~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | | ~~VER_101&~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |

| RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | 2.21.24 | 16:30 | Vesore Blanco | 2/22/24 | 0923 | |
| Vesore Blanco 2/22/24 | | 1116 | Stephanie Hammond EEFA | 2/22/24 | 1118 | |

| SAMPLER NAME AND SIGNATURE | |
|---|---|
| PRINT Name of SAMPLER: | Dave McCoy |
| SIGNATURE of SAMPLER: | DM |
| DATE Signed (MM/DD/YY): | 2.21.24 |

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

2/21/24

DM

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

500 24 1040D

Page: 3 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone: (217) 753-8911 | Fax: |
| Requested Due Date/TAT: | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Sam Davies: samantha.davies@vistracorp.com |
| | Dianna Tickner Dianna.Tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name: | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dave McCoy |
| Company Name: | A3 Environmental |
| Address: | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference: | |
| Project Manager | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AI |
| OTHER | OT |
| TISSUE | TS |

| ITEM # | Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | VER_103& | | | | | | | | | | | | | | | X | | | | X | X | | |
| | VER_ND3 | | | | | | | | | | | | | | | X | | | | X | | | No RAD Analysis |
| 31 30 | VER_NED1 | | | 2 21.24 | 1500 | | 6 | | | | | | | | | | X | | | X | | | No RAD Analysis |
| | VER_OED1 | | | | | | | | | | | | | | | X | | | | X | | | No RAD Analysis |
| 32 31 | VER_FB | | | 2 21.24 | 15.20 | | 7 | | | | | | | | | | X | X | X | | X | | |
| | VER_EB1 | | | | | | | | | | | | | | | | X | X | X | | X | | |
| 33 32 | VER_EB2 | | | 2 21 24 | 15.50 | | 7 | | | | | | | | | | X | X | X | | X | | |
| | VER_EB3 | | | | | | | | | | | | | | | | X | X | X | | X | | |

2/21/24 JS

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | [signature] | 2/21/24 | 1650 | [signature] | 2/22/24 | 0923 | |
| | [signature] | 2/22/24 | 1118 | Stephanie Hernandez EEIA | 2/22/24 | 1118 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave McCoy

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2 21.24

2/21/24

DM

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

# Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-246480-3
SDG Number: VER_845_910-911

**Login Number: 246480**
**List Number: 1**
**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 5.3,4.1,2.6,3.9,5.1,3.6,4.1,2.7,1.5,2.5 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | False | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

**SAR-3: Episodic Depth to Groundwater Measurements**

**All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.**

**Plant:** VER

**Event:** VER-24Q1 Rev 0

| Well | Unique ID | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|---|---|---|---|---|---|---|
| 101S | VER_101#S | 2/19/24 | 1020 | 59.0 | DTP: 104.00 | AB |
| 102 | VER_102& | 2/19/24 | 1040 | 124.58 | DTP: 155.0 | AB |
| 102S | VER_102#S | 2/19/24 | 1035 | 72.42 | DTP: 78.5 | AB |
| 103S | VER_103#S | 2/19/24 | 58.45 | 1220 | DTP: 72.0 | AB |
| 104 | VER_104& | 2/19/24 | 1050 | 125.86 | DTP: 158.0 | AB |
| 104S | VER_104#S | 2/19/24 | 1045 | 72.81 | DTP: 84.0 | AB |
| 105 | VER_105& | 2/19/24 | 1244 | 120.82 | DTP: 140 | AB |
| 105S | VER_105#S | 2/19/24 | 1240 | 70.79 | DTP: 77.00 | AB |
| 16B | VER_016!B | 2/19/24 | 1300 | DRY | DTP: 7.31 | AB |
| 23 | VER_023 | 2/19/24 | 1325 | 12.79 | DTP: 24. | AB |
| 24 | VER_024 | 2/19/24 | 1330 | 23.5 | DTP: 56.85 | AB |
| 25 | VER_025 | 2/19/24 | 1435 | 16.16 | DTP: 41.80 | AB |
| 35S | VER_035#S | 2/19/24 | 1313 | DRY | DTB: 12.45 | AB |
| SG01 | VER_YSG01 | 2/19/24 | 1420 | 15.19 | Transducer will be added to this location at a future date | AB |

U:6/21/23 GKJ

206 208, 214

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: Task #: Start Date: 2 / /2024 Time:
Field Personnel: A. Beckett / T. Closen / D. McCoy Finish Date: Time: 1423

## WELL INFORMATION

Well ID: 17
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| initial | 15:25 | | 38.96 | | | | | | | | |
| pump | 15:30 | | 43.41 | | 12.6 | 6.94 | 1605 | 0.54 | 29.0 | 29.9 | clear |
| pump | 15:35 | | 52.25 | | 12.6 | 6.86 | 1605 | 0.20 | 17.0 | 42.2 | clear |
| pump | 15:40 | | 58.9 | | 12.9 | 6.85 | 1607 | 0.77 | 19.5 | 42.6 | clear |
| pump | 15:45 | | 58.9 | | 12.9 | 6.86 | 1605 | 0.98 | 19.1 | 42.0 | clear |
| pump | 15:50 | | 58.9 | | 13.8 | 6.86 | 1610 | 1.03 | 18.9 | 33.6 | clear |
| pump | 15:55 | 3.5 gal | 58.9 | | 13.1 | 6.87 | 1611 | 1.07 | 19.3 | 31.1 | clear |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Dry @ 16:10, did not sample

Low-Flow Sampling Form

Page

VER_017

sampled @ 16:00

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2 / /2024  Time: 11:48  02 - 1220
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2.20.24  Time:  1423

## WELL INFORMATION

Well ID: 02
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) ±.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10% | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11:48 | | 17.89 | | | | | | | | |
| | 11:53 | 0.75 | 20.97 | 3.08 | 13.3 | 7.85 | 863 | 1.08 | 3.00 | -153.94 | turbid |
| | 11:58 | 1.5 | 22.21 | 4.32 | 13.3 | 7.87 | 858 | 1.28 | 4.15 | -168.6 | " " |
| | 12:03 | 3 | 22.92 | 5.03 | 13.3 | 7.88 | 857 | 0.99 | 4.78 | -179.2 | " " |
| | 12:08 | 3.5 | 23.41 | 5.52 | 13.3 | 7.87 | 850 | 1.14 | 3.99 | -183.1 | clear |
| | 12:13 | 4.0 | 23.99 | 6.10 | 13.3 | 7.86 | 847 | 1.21 | 4.04 | -189.1 | clear |
| | 12:18 | | 24.40 | | 13.36 | 7.85 | 846 | 1.23 | 4.26 | -186.1 | clear |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form  Page

☐ ☐  ☐ ☐

02C 1220

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time: 16:05
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2-28-24
Time: 1423

## WELL INFORMATION

Well ID:
Casing ID: 3R inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16:05 | | 7.85 | | | | | | | | |
| | 16:07 | 0.25 | 8.31 | 0.46 | 12.5 | 7.36 | 1347 | 2.04 | 145.46 | -53.2 | Clear |
| | 16:12 | 1.0 | 8.08 | 0.23 | 12.4 | 7.41 | 1365 | 1.44 | 104.14 | -110.7 | Clear |
| | 16:17 | 1.75 | 8.52 | 0.67 | 12.5 | 7.40 | 1376 | 0.42 | 117.20 | -137.6 | Clear |
| | 16:22 | 2.25 | 8.39 | 0.54 | 12.5 | 7.39 | 1369 | 0.15 | 111.65 | -142.4 | Clear |
| | 16:27 | 3.0 | 8.62 | 0.77 | 12.5 | 7.39 | 1372 | 0.17 | 104.82 | -147.2 | Clear |
| | 16:32 | 5.0 | 8.49 | 0.65 | 12.5 | 7.39 | 1369 | 0.16 | 100.97 | -149.8 | Clear |
| | 16:37 | 5.5 | 8.52 | 0.67 | 12.5 | 7.39 | 1368 | 0.15 | 108.61 | -150.1 | Clear |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form

Page

3R @ > 16:40
3R FD

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: Task #: Start Date: 2/21/2024 Time: 8:10
Field Personnel: A. Beckett, T. Closen, D. McCoy Finish Date: 2/21/24 Time: 8:45 1423

## WELL INFORMATION

Well ID: 04
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| initial | 8:15 | | 7.02 | | | | | | | | |
| purge | 8:20 | | 7.35 | | 9.7 | 7.79 | 417.3 | 0.76 | 35.7 | -135.4 | clear |
| purge | 8:25 | | 7.36 | | 9.8 | 7.82 | 422.6 | 0.27 | 9.08 | -162.5 | clear |
| purge | 8:30 | | 7.34 | | 9.8 | 7.79 | 434.9 | 0.17 | 6.80 | -164.9 | clear |
| purge | 8:35 | | 7.36 | | 9.8 | 7.76 | 449.8 | 0.10 | 4.10 | -163.3 | clear |
| purge | 8:40 | 4 gal | 7.35 | | 9.7 | 7.75 | 451.1 | 0.09 | 4.08 | -162.4 | clear |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form Page

VER_004 sample @ 8:45

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: Task #: Start Date: 2/2/2024 Time: 9:05
Field Personnel: A. Beckett / T. Closen / D. McCoy Finish Date: 2/2/24 Time: 9:45 1423

## WELL INFORMATION

Well ID: 05
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| initial | 9:05 | | 7.13 | | | | | | | | |
| purge | 9:10 | | 7.61 | | 10.8 | 7.80 | SS3 | 0.33 | 34.1 | 0.5 | clear |
| purge | 9:15 | | 7.62 | | 10.8 | 7.60 | SS3 | 0.13 | 10.05 | -2.4 | clear |
| purge | 9:20 | | 7.59 | | 10.9 | 7.59 | SS3 | 0.09 | 6.05 | -4.0 | clear |
| purge | 9:25 | | 7.62 | | 11.0 | 7.59 | SS3 | 0.06 | 4.30 | -6.2 | clear |
| purge | 9:30 | | 7.62 | | 11.0 | 7.59 | SS3 | 0.04 | 3.20 | -6.8 | clear |
| purge | 9:35 | 4.5 gal | 7.61 | | 11.0 | 7.59 | SS3 | 0.04 | 3.18 | -6.9 | clear |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form Page

VER_005 9:40

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time: 10:40
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2.21.24
Time: 1423

## WELL INFORMATION

Well ID:
Casing ID: 007R inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) .1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10 | Turbidity (NTU) 10 | ORP (mV) 10 | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10:40 | — | 16.11 | | | | | | | | |
| | 10:45 | 0.25 | 16.25 | .14 | 12.1 | 7.56 | 2551 | 1.82 | 50.68 | 1.79 | Clear |
| | 10:50 | 0.5 | 16.28 | .17 | 12.3 | 7.63 | 2546 | 1.26 | 87.40 | -122.1 | Clear |
| | 10:55 | 0.75 | 16.26 | .15 | 12.4 | 7.65 | 2535 | 1.18 | 129.82 | -128.5 | Clear |
| | 11:00 | 1.25 | 16.26 | .15 | 12.4 | 7.65 | 2549 | 1.02 | 134.37 | -128.7 | Clear |
| | 11:05 | 2.25 | 16.26 | .15 | 12.4 | 7.66 | 2554 | 0.93 | 122.04 | -135.8 | Clear |
| | 11:10 | 3.0 | 16.26 | .15 | 12.4 | 7.69 | 2525 | 0.89 | 125.57 | -140.7 | Clear |
| | 11:15 | 3.5 | 16.26 | .15 | 12.6 | 7.68 | 2551 | 0.87 | 131.63 | -141.1 | Clear |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Low-Flow Sampling Form

Page

007R @ 11:20
6 Bottles

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time: 16:52
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2-20-24
Time: 1423

## WELL INFORMATION

Well ID:
Casing ID: 8R inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16:52 | | 13.31 | | | | | | | | |
| | 16:57 | 0.25 | 13.52 | .21 | 10.3 | 6.91 | 1305 | 1.96 | 27.00 | -32.3 | Clear |
| | 17:02 | 0.5 | 13.86 | .55 | 10.4 | 6.93 | 1348 | 0.34 | 12.25 | -35.7 | Clear |
| | 17:07 | 0.75 | 13.88 | .57 | 10.6 | 7.05 | 1364 | -0.11 | 6.24 | -54.2 | Clear |
| | 17:12 | 1.0 | 13.94 | .63 | 10.6 | 7.06 | 1363 | -0.10 | 5.25 | -56.3 | Clear |
| | 17:17 | 1.25 | 13.87 | .56 | 10.7 | 7.07 | 1361 | -0.09 | 5.49 | -58.9 | Clear |
| | 17:22 | 1.5 | 13.91 | .60 | 10.5 | 7.08 | 1358 | -0.07 | 5.35 | -59.1 | Clear |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Low-Flow Sampling Form

Page

8R 17:25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2/20/2024  Time: 1645
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2/20/24  Time: 1755  1423

## WELL INFORMATION

Well ID: VER-010
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pre | 1647 | | 49.31 | | | | | | | | |
| purge | 1650 | | 49.90 | | 12.1 | 4.96 | 937 | 8.38 | 829 | 13.2 | [illegible] |
| | 1655 | | 50.40 | | 12.8 | 4.82 | 1101 | 3.14 | 7.39 | 28.9 | " " |
| | 1700 | | 50.91 | | 12.7 | 4.82 | 1097 | 3.15 | 7.51 | 28.9 | " " |
| | 1705 | 1 | 51.21 | | 12.7 | 4.82 | 1099 | 3.11 | 8.45 | 28.8 | " " |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Sampled @ 1710

Low-Flow Sampling Form  Page

7 bottles Nitric acid → went dry after filling 2 1L bottle & the 250 mL FF bottle

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2 / /2024  Time: 12:35
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2.21.24  Time: 1423

## WELL INFORMATION

Well ID: 16A
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) +.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10% | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12:35 | | 12.13 | | | | | | | | |
| | 12:38 | 0.25 | 14.68 | 2.55 | 12.0 | 7.67 | 1301 | 1.42 | 53.42 | 1.34 | Clear |
| | 12:43 | 1.25 | 19.79 | 7.66 | 11.8 | 7.60 | 1053 | 1.41 | 29.80 | 1.41 | Clear |
| | 12:48 | 2.50 | 23.11 | 10.98 | 11.7 | 7.60 | 1037 | 1.45 | 34.21 | 2.05 | Clear |
| | 12:53 | 2.75 | 24.05 | 11.92 | 11.8 | 7.62 | 1041 | 2.56 | 111.82 | -81.8 | Clear |
| | 12:58 | 3.0 | 24.94 | 12.81 | 11.8 | 7.63 | 1039 | 2.64 | 114.68 | -86.1 | Clear |
| | 1303 | 3.5 | 24.81 | 12.68 | 12.1 | 7.65 | 1041 | 2.68 | 121.11 | -89.9 | Clear |
| | 1308 | 4.0 | 25.30 | 13.17 | 12.1 | 7.67 | 1037 | 2.71 | 128.73 | -96.5 | Clear |
| | 1313 | 4.5 | 25.46 | 13.33 | 12.1 | 7.68 | 1032 | 2.86 | 135.54 | -101.8 | Clear |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form  Page

16A @ 13:15
7 Bottles
FF

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2/20/2024  Time: 0830
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2/20/24  Time: 0945  1423

## WELL INFORMATION

Well ID: VER-620
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) ± 1.0 | pH (SU) ±0.1 | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) 3% | Turbidity (NTU) 10% or ±10 | ORP (mV) ±10 | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pre | 0845 | | 13.67 | | | | | | | | |
| purge | 0852 | | 13.85 | | 10.3 | 7.16 | 520 | 2.36 | 119.55 | -8.9 | Orange |
| | 0857 | 1 | 13.76 | | 10.4 | 7.14 | 539 | 1.80 | 38.97 | -26.8 | Clear |
| | 0902 | | 13.74 | | 10.3 | 7.13 | 534 | 1.61 | 25.23 | -30.1 | " " |
| | 0907 | 2 | 13.74 | | 10.4 | 7.13 | 543 | 1.28 | 12.73 | -36.5 | " " |
| | 0912 | | 13.76 | | 10.4 | 7.12 | 547 | 1.14 | 7.78 | -38.6 | " " |
| | 0917 | 3 | 13.76 | | 10.4 | 7.12 | 550 | 1.13 | 5.37 | -39.5 | " " |
| | 0922 | >4 | 13.76 | | 10.5 | 7.12 | 554 | 1.12 | 3.99 | -40.0 | " " |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Sampled @ 0925

Nitric acid

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2/20/2024
Time: 1551
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2/20/24
Time: 1638
1423

## WELL INFORMATION

Well ID: VER-021
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pre | 1555 | | 91.82 | | | | | | | | |
| purge | 1600 | | 93.41 | | 11.5 | 7.66 | 522 | 10.13 | 7.70 | 84.1 | clear |
| | 1605 | | 95.68 | | 12.3 | 7.28 | 969 | 1.60 | 23.98 | -93.3 | orange |
| | 1610 | | 97.82 | | 12.3 | 7.37 | 926 | 0.41 | 24.98 | -121.2 | " " |
| | 1615 | | 98.62 | | 12.3 | 7.40 | 890 | 0.28 | 24.64 | -134.0 | " " |
| | 1620 | | 99.56 | | 12.3 | 7.41 | 884 | 0.27 | 22.33 | -140.2 | " " |
| | 1625 | 3.5 | 99.95 | | 12.2 | 7.41 | 886 | 0.26 | 23.11 | -143.2 | " " |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Sampled @ 1630

Low-Flow Sampling Form

Page

☐ ☐ ☐ ☐

4 bottles

Nitric acid

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2/24/2024
Time:
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date:
Time: 1423

## WELL INFORMATION

Well ID: 22
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| initial | 10:30 | | 55.29 | | | | | | | | |
| Purge | 10:35 | | 58.30 | | 12.9 | 7.39 | 615 | .32 | 11.4 | -45.6 | clm |
| Purge | 10:40 | | 58.95 | | 12.9 | 7.40 | 616 | .20 | 7.7 | -53.6 | clm |
| Purge | 10:45 | | 59.35 | | 12.9 | 7.40 | 617 | .16 | 14.2 | -60.2 | clm |
| Purge | 10:50 | | 59.42 | | 13.1 | 7.40 | 619 | .13 | 13.6 | -66.7 | clm |
| Purge | 10:55 | | 59.39 | | 13.2 | 7.40 | 621 | .12 | 8.6 | -71.2 | clm |
| Purge | 11:00 | | 59.46 | | 13.2 | 7.41 | 622 | .11 | 6.5 | -73.4 | clm |
| Purge | 11:05 | 4.5 gal | 59.42 | | 13.2 | 7.40 | 623 | .12 | 6.4 | -73.5 | clm |
| | | | | | | | | | | | |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Low-Flow Sampling Form

Page

VER_022 Sample @ 11:10

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time:
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2/20/24
Time: Sample @ 0935
1423

## WELL INFORMATION

Well ID: 34
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0843 | — | 14.09 | | | | | | | | |
| | 0910 | — | 14.09 | | 11.1 | 7.21 | 810 | 1.77 | 319.82 | 74.8 | clear |
| | 0915 | 0.5 | 14.39 | 0.3 | 11.3 | 7.18 | 812 | 0.17 | 175.74 | 79 | clear |
| | 0920 | 1.0 | 14.42 | 0.33 | 11.4 | 7.18 | 808 | 0.08 | 243.30 | 80.7 | clear |
| | 0925 | 1.5 | 14.47 | 0.38 | 11.4 | 7.17 | 820 | 0.10 | 268.43 | 82.3 | clear |
| | 0930 | 2.5 | 15.04 | 0.95 | 11.5 | 7.16 | 829 | 0.11 | 241.27 | 78.7 | clear |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form

Page

34 @ 0935

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2 / /2024  Time:
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date:  Time: 1423

## WELL INFORMATION

Well ID: 35 & D
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| initial | 12:15 | | 10.15 | | | | | | | | |
| purge | 12:20 | | 10.81 | | 13.0 | 7.40 | 3992 | 2.87 | 8.86 | -12.9 | clear |
| purge | 12:25 | | 12.85 | | 12.6 | 7.42 | 4011 | .39 | 35.2 | -56.5 | clear |
| purge | 12:30 | | 14.57 | | 12.7 | 7.42 | 4003 | .21 | 48.6 | -55.7 | clear |
| purge | 12:35 | | 16.12 | | 12.7 | 7.42 | 4005 | .14 | 78.9 | -49.5 | clear |
| purge | 12:40 | | 17.32 | | 12.6 | 7.41 | 4011 | .12 | 24.5 | -42.5 | clear |
| purge | 12:45 | | 18.42 | | 12.5 | 7.42 | 3999 | .12 | 26.5 | -34.8 | clear |
| purge | 12:50 | | 19.56 | | 12.5 | 7.42 | 4001 | .13 | 26.2 | -33.5 | clear |
| purge | 12:55 | | 21.50 | | 12.3 | 7.42 | 4023 | .13 | 30.9 | -17.1 | clear |
| purge | 13:00 | 2.5 gal | 23.09 | | 12.5 | 7.42 | 4000 | .14 | 31.0 | -16.2 | clear |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

No Bladder, sampled w/ geo pump

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Low-Flow Sampling Form  Page

VER_035 & D  Sample @ ~~[illegible]~~ 13:05

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time: 14:45
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2-20-24
Time: 15:15
1423

## WELL INFORMATION

Well ID:
Casing ID: 36 inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10 % | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 14:45 | | 14.21 | | | | | | | | |
| | 14:47 | — | 14.31 | 0.10 | 12.2 | 7.18 | 1630 | 0.27 | 244.31 | -106.2 | Turbid |
| | 14:52 | 0.5 | 14.28 | 0.07 | 12.1 | 7.23 | 1712 | 0.11 | 58.20 | -107.8 | Turbid |
| | 14:57 | 1.0 | 14.41 | 0.20 | 12.1 | 7.27 | 1737 | 0.18 | 47.43 | -112.1 | clear |
| | 15:02 | 1.75 | 14.40 | .19 | 12.1 | 7.30 | 1750 | 0.20 | 14.04 | -115.4 | Clear |
| | 15:07 | 2.25 | 14.31 | 0.10 | 12.1 | 7.32 | 1756 | 0.21 | 13.52 | -117.4 | clear |
| | 15:12 | 3.0 | 14.31 | 0.10 | 12.1 | 7.33 | 1761 | 0.22 | 12.99 | -119.0 | clear |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form

Page

36
36FD @ 15:15

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time: 14:05
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2-20-24
Time: 1423

## WELL INFORMATION

Well ID:
Casing ID: 37 inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 37c | pH (SU) .1 | SEC or Cond. (µs/cm) 78 | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10% | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 14:05 | | 7.96 | | | | | | | | |
| | 14:07 | 0.25 | 9.06 | 1.1 | 12.6 | 7.10 | 12.49 | 0.36 | 73.92 | -154.6 | Turbid |
| | 14:13 | 3.0 | 9.20 | 1.24 | 12.6 | 7.09 | 1231 | 0.18 | 211.92 | -168.9 | Turbid |
| | 14:18 | 5.0 | 9.20 | 0.0 | 12.6 | 7.09 | 1234 | 0.22 | 96.30 | -169.2 | Clear |
| | 14:23 | 7.0 | 8.80 | .84 | 12.6 | 7.08 | 1237 | 0.24 | 101.4 | -170.9 | Clear |
| | 14:28 | 8.0 | 8.41 | 0.45 | 12.6 | 7.08 | 1238 | 0.25 | 98.54 | -171.7 | Clear |
| | ~~14:33~~ | | | | | | | | | | |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Low-Flow Sampling Form

Page

37 @ 14:35

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2/20/2024
Time: 0955
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2/20/24
Time: 1036

1423

## WELL INFORMATION

Well ID: VER-038
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) ±1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10 % | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pre | 1000 | | 3.51 | | | | | | | | |
| purge | 1002 | | 3.55 | | 11.1 | 7.10 | 758 | 0.310 | 42.61 | -130.4 | clear |
| purge | 1007 | | 3.52 | | 11.4 | 7.10 | 759 | 0.23 | 40.63 | -138.9 | clear |
| purge | 1012 | | 3.52 | | 11.6 | 7.10 | 760 | 0.18 | 414.35 | -141.7 | clear |
| purge | 1017 | | 3.52 | | 11.6 | 7.10 | 753 | 0.03 | 43.46 | -150.4 | clear |
| purge | 1023 | | 3.52 | | 11.6 | 7.10 | 752 | 0.02 | 41.23 | -152.3 | " " |
| purge | 1027 | 4 | 3.60 | | 11.6 | 7.10 | 753 | 0.03 | 44.36 | -151.2 | " " |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Sampled @ 1030

38

Nitric acid

6 bottles

Low-Flow Sampling Form

Page

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2 / /2024  Time: 10:45  Well - 40
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2/20/24  Time: 11:15  1423

## WELL INFORMATION

Well ID: 40
Casing ID: 40 inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) ±1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10% | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10:45 | — | 14.64 | — | | | | | | | |
| | 10:50 | 0.75 | 14.78 | .14 | 12.5 | 6.47 | 3817 | 0.05 | 68.11 | -113.5 | clear |
| | 10:55 | 1.5 | 14.80 | .16 | 12.4 | 6.47 | 3805 | 0.07 | 127.28 | -116.3 | clear |
| | 11:00 | 2.0 | 14.80 | .00 | 12.5 | 6.48 | 3803 | 0.14 | 192.75 | -120.1 | clear |
| | 11:05 | 2.5 | 14.80 | .00 | 12.5 | 6.48 | 3799 | 0.17 | 208.67 | -121.5 | clear |
| | 11:10 | 3.5 | 14.80 | .00 | 12.5 | 6.48 | 3785 | 0.19 | 211.13 | -123.2 | clear |
| | 11:15 | 4.0 | 14.80 | .00 | 12.5 | 6.48 | 3787 | 0.20 | 215.73 | -123.6 | |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form  Page

40 — @ 11:20
40 FD — @ 11:20

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time: 11:40
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date:
Time: 1423

## WELL INFORMATION

Well ID:
Casing ID: 0041 inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) ±.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10% | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5.87 11:35 | | | | | | | | |
| | 11:40 | 0.25 | 6.02 | .15 | 12.5 | 7.26 | 1039 | 0.62 | 63.21 | -126.5 | clear |
| | 11:45 | 3.0 | 6.22 | .35 | 12.5 | 7.25 | 1038 | -.18 | 27.32 | -148.6 | clear |
| | 11:50 | 4.5 | 6.02 | .15 | 12.6 | 7.25 | 1038 | -0.21 | 25.10 | -152.3 | clear |
| | 11:55 | 7.5 | 6.02 | .15 | 12.6 | 7.25 | 1038 | -.24 | 26.92 | -154.7 | clear |
| | 12:00 | 9.0 | 6.02 | .15 | 12.6 | 7.24 | 1038 | -.22 | 25.74 | -156.5 | clear |
| | 12:05 | 11.0 | 6.02 | .15 | 12.6 | 7.24 | 1039 | -.24 | 27.17 | -156.5 | |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Low-Flow Sampling Form

Page

0041 @ 12:05
6 Bottles

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2/20/2024  Time: 1145
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2/20/24  Time: 1234  1423

## WELL INFORMATION

Well ID: VER_042
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pre | 11:52 | | 25.71 | | | | | | | | |
| purge | 11:57 | | 25.79 | | 10.8 | 7.59 | 810 | 1.21 | 105 | -143.1 | clear |
| | 12:02 | | 25.82 | | 10.4 | 7.50 | 813 | 1.22 | 88 | -152.5 | clear |
| | 12:07 | | 25.84 | | 10.5 | 7.50 | 806 | 1.29 | 86 | -155.5 | clear |
| | 12:12 | | 25.84 | | 10.5 | 7.50 | 805 | 1.21 | 74 | -156.0 | clear |
| | 12:17 | | 25.84 | | 10.5 | 7.51 | 802 | 1.25 | 82 | -156.0 | |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Sampled @ 1217

Low-Flow Sampling Form  Page

☐ MS/MSD  ☐ nitric acid

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2/20/2024  Time: 1055
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2/20/24  Time: 1140  1423

## WELL INFORMATION

Well ID: VER-043
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pre | 1100 | | 16.38 | | ~~17.3~~ | ~~7.05~~ | ~~1100~~ | ~~1.84~~ | ~~40.34~~ | ~~83.7~~ | ~~clear~~ |
| | 1103 | | 18.71 | | 11.3 | 7.05 | 1100 | 1.84 | 40.34 | -83.7 | clear |
| | 1108 | | 17.75 | | 11.6 | 7.06 | 1265 | 0.19 | 50.61 | -109.3 | murky |
| | 1113 | | 17.75 | | 11.6 | 7.10 | 1260 | 0.15 | 57.08 | -112.9 | " " |
| | 1118 | 2.5 | 18.12 | | 11.0 | 7.10 | 1262 | 0.15 | 50.92 | -122.5 | " " |
| | 1123 | | 17.76 | | 11.0 | 7.09 | 1251 | 0.18 | 53.18 | -124.4 | " " |
| | 1128 | | 17.75 | | 11.1 | 7.10 | 1253 | 0.16 | 51.99 | -128.9 | " " |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Sampled @ 1130

Low-Flow Sampling Form  Page

FD

12 bottles total

YSI was not registering turbidity "++++"

had to hit low flow sampling on ground

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2 / /2024  Time: 0805
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2-21-24  Time: 1423

## WELL INFORMATION

Well ID:
Casing ID: 7 inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) +-1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10% | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0805 | | 31.83 | | 11.6 | 7.16 | 3320 | 0.50 | 26.20 | -8.9 | clear |
| | 0810 | 0.25 | 32.68 | 0.85 | 11.6 | 7.17 | 3310 | 0.47 | 26.58 | -7.2 | " " |
| | 0815 | 0.5 | 33.59 | 1.76 | 11.6 | 7.17 | 3302 | 0.40 | 25.14 | -4.4 | " " |
| | 0820 | 0.75 | 34.31 | 2.48 | 11.6 | 7.16 | 3290 | 0.40 | 24.43 | -0.8 | " " |
| | 0825 | 1.25 | 37.33 | 5.5 | 11.6 | 7.00 | 2985 | 0.22 | 17.6 | 18.3 | " " |
| | 0830 | 1.75 | 41.64 | 9.81 | 11.6 | 6.98 | 2867 | 0.26 | 20.21 | 22.3 | " " |
| | 0835 | 2.25 | 45.10 | 13.27 | 11.6 | 6.91 | 2817 | 0.29 | 19.81 | 24.1 | " " |
| | 0840 | 3.25 | 46.28 | 14.45 | 11.6 | 6.92 | 2798 | 0.31 | 20.78 | 25.2 | " " |
| | 0845 | 3.75 | 47.44 | | 11.7 | 6.91 | 2781 | 0.30 | 19.56 | 26.7 | " " |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Low-Flow Sampling Form  Page

Draw-Start 31.83

7 D
7 D @ 845
6 Bottles
Remove pump

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time: 0855
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2.21.24
Time: 0920
1423

## WELL INFORMATION

Well ID: 705
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0855 | | 11.12 | | 7% | +.1 | | | | | |
| | 0858 | 0.1 | 11.34 | 0.22 | 11.1 | 7.09 | 1340 | 2.30 | 51.82 | 68.0 | |
| | 0903 | 0.75 | 11.27 | 0.15 | 10.9 | 6.94 | 1298 | 0.14 | 6.09 | 69 | |
| | 0908 | 1.25 | 11.25 | 0.13 | 11.0 | 6.93 | 1299 | 0.19 | 8.14 | 68.6 | |
| | 0913 | 1.5 | 11.25 | 0.13 | 11.0 | 6.93 | 1299 | 0.21 | 7.96 | 68.4 | |
| | 0918 | 2.0 | 11.25 | 0.13 | 11.0 | 6.93 | 1298 | 0.22 | 6.82 | 68.4 | |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form

Page

705 @ 0920

6 Bottles

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2 / /2024  Time: 0955
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2.21.24  Time: 1423

## WELL INFORMATION

Well ID:
Casing ID: 710 inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0955 | | 37.98 | — | | | | | | | |
| | 0955 | .25 | 38.50 | .52 | 11.9 | 7.02 | 3426 | 2.01 | 19.13 | 143.6 | Clear |
| | 10:00 | .5 | — | — | 12.0 | 6.97 | 3334 | 0.73 | 11.10 | 133.5 | Clear |
| | | | | | | | | | | | |
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DRY

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form  Page

710 ☐ ☐ ☐ ☐

- Dry During Purge

713 - No water

Both pumps removed

Dry During Purge

710
713 ? No Sample

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2/23/2024  Time: 1300
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2/20/24  Time: 1415  1423

## WELL INFORMATION

Well ID: VER_1018
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 1300 | | 109.05 | | | | | | | | |
| purge | 1305 | | 110.45 | | 12.9 | 7.23 | 436 | 2.96 | | -76.8 | clear |
| purge | 1310 | | 110.61 | | 13.1 | 7.37 | 932 | .45 | | -139.0 | clear |
| purge | 1315 | | 110.86 | | 13.1 | 7.39 | 944 | .34 | | -140.0 | clear |
| purge | 1320 | | 111.31 | | 13.0 | 7.40 | 942 | .26 | | -142.8 | clear |
| purge | 1325 | | 111.85 | | 13.0 | 7.40 | 933 | .20 | | -144.6 | clear |
| purge | 1330 | | 112.35 | | 13.00 | 7.40 | 927 | .18 | 36 | -146.4 | " " |
| purge | 1335 | | 113.03 | | 13.00 | 7.41 | 916 | 0.15 | 22.94 | -149.4 | " " |
| purge | 1340 | 2.5 | 113.34 | | 13.00 | 7.42 | 911 | 0.14 | 22.7 | -152.1 | clear |

## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Sampled @ 13:45
1018

Low-Flow Sampling Form  Page

deep well

4250 psi

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion  Client: Vistra
Project Number:  Task #:  Start Date: 2/20/2024  Time: 1420
Field Personnel: A. Beckett / T. Closen / D. McCoy  Finish Date: 2/20/24  Time: 1545  1423

## WELL INFORMATION

Well ID: VER-103Q
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pre | 1425 | | 130.23 | | | | | | | | |
| purge | 1440 | | 131.71 | | 13.3 | 7.02 | 1747 | 6.83 | 122.00 | 70.1 | clearish |
| | 1445 | | 132.00 | | 13.3 | 7.01 | 1733 | 6.05 | 120.75 | 77.4 | " " |
| | 1450 | | 133.51 | | 13.3 | 7.00 | 1732 | 5.93 | 81.44 | 77.4 | " " |
| | 1455 | | 134.53 | | 13.2 | 7.00 | 1730 | 5.83 | 46.16 | 77.7 | " " |
| | 1500 | | 134.99 | | 13.1 | 7.00 | 1731 | 5.87 | 46.81 | 81.9 | " " |
| | 1505 | | 135.69 | | 13.0 | 7.00 | 1733 | 5.88 | 40.20 | 84.3 | " " |
| | 1510 | 2.5 | 136.98 | | 13.1 | 7.00 | 1732 | 5.8 | 39.51 | 85.2 | |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Sampled @ 1515

Low-Flow Sampling Form  Page

☐ ☐  ☐ ☐

6 bottles
Nitric acid

deep!

4250 psi – 300 psi

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2/21/2024
Time:
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date:
Time: 1423

## WELL INFORMATION

Well ID: NED-1
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) | pH (SU) | SEC or Cond. (µs/cm) | Dissolved Oxygen (mg/L) | Turbidity (NTU) | ORP (mV) | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| initial | 14:10 | | 2.32 | | | | | | | | |
| purge | 14:20 | | 2.72 | | 10.8 | 7.80 | 1663 | 0.12 | 19.52 | -148.3 | clear |
| purge | 14:25 | | 2.74 | | 10.8 | 7.74 | 1684 | 0.08 | 14.70 | -157.5 | clear |
| purge | 14:30 | | 2.76 | | 10.8 | 7.69 | 1712 | 0.03 | 9.60 | -167.0 | clear |
| purge | 14:35 | | 2.73 | | 10.6 | 7.69 | 1719 | 0.01 | 8.26 | -175.1 | clear |
| purge | 14:40 | | 2.74 | | 10.6 | 7.70 | 1720 | 0.00 | 6.05 | -180.6 | clear |
| purge | 14:45 | | 2.79 | | 10.6 | 7.75 | 1717 | 0.00 | 5.20 | -187.6 | clear |
| purge | 14:50 | | 2.76 | | 10.6 | 7.77 | 1719 | 0.00 | 4.65 | -193.9 | clear |
| purge | 14:55 | | 2.74 | | 10.6 | 7.78 | 1721 | 0.00 | 4.63 | -194.1 | clear |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

Low-Flow Sampling Form

Page

VER_NED1 Sample @ 15:00

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number:
Task #:
Start Date: 2 / /2024
Time: 13:05
Field Personnel: A. Beckett / T. Closen / D. McCoy
Finish Date: 2-20-24
Time: 1423

## WELL INFORMATION

Well ID: ND3
Casing ID: inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) 3% | pH (SU) ±.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% | Turbidity (NTU) 10% | ORP (mV) 10% | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13:05 | — | 16.64 | | | | | | | | |
| | 13:10 | 0.5 | 17.61 | 0.97 ~~0.95~~ | 13.0 | 8.09 | 1551 | 2.03 | 73.03 | 0.1 | clear |
| | 13:15 | 1.0 | 18.24 | 1.6 ~~1.60~~ | 13.0 | 8.24 | 1557 | 0.86 | 129.81 | 0.8 | clear |
| | 13:20 | 1.5 | 18.83 | 2.19 | 13.1 | 8.34 | 1603 | 0.77 | 69.33 | 0.8 | clear |
| | 13:25 | 2.0 | 19.07 | 2.43 | 13.1 | 8.31 | 1597 | 0.84 | 71.47 | 0.86 | clear |
| | 13:30 | 2.5 | 19.23 | 2.59 | 13.1 | 8.27 | 1589 | 0.90 | 75.94 | 0.93 | clear |
| | 13:35 | 3.0 | | | 13.0 | 8.25 | 1586 | 0.93 | 73.25 | 0.93 | clear |
| | | | | | | | | | | | |
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## NOTES (continued)

Bladder Pump / Clear /No Color / No odor

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units

Low-Flow Sampling Form

Page

ND3 @ 13:40

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brian Voelker
Vistra Energy Corp
133 S 4th, Suite 206
Springfield, Illinois 62701

Generated 03/25/24 11:49:42

## JOB DESCRIPTION

VER-24Q1
VER_000_RAD

## JOB NUMBER

500-246480-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.



my EOL

Eurofins Chicago

## 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 Chicago Project Manager.

## Authorization

Generated
03/25/24 11:49:42

Authorized for release by
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**Job Narrative**
**500-246480-2**

**Receipt**
The samples were received on 02/21/24 11:20. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 1.5º C, 2.5º C, 2.6º C, 2.7º C, 3.6º C, 3.9º C, 4.1º C, 4.1º C, 5.1º C and 5.3º C.

**Receipt Exceptions**
Received 7 bottles for sample 5, COC has 6. Received Rad bottles for sample 20, not marked on COC. VER_010 (500-246480-5) and VER_ND3 (500-246480-20)
VER_ND3 (Sample 20) not requesting Rad analysis on client SARs and confirmed via email, not logged for Rad.

**RAD**
Method 904.0: Radium-228 batch 649789
The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: VER_070&D (500-246480-30). Analytical results are reported with the detection limit achieved.

Methods 904.0: Radium-228 prep batch 160-649394:
The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: VER_034 (500-246480-8), VER_038 (500-246480-12) and VER_042 (500-246480-15) . Analytical results are reported with the detection limit achieved.

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

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_002 — Lab Sample ID: 500-246480-1

No Detections.

## Client Sample ID: VER_003R — Lab Sample ID: 500-246480-2

No Detections.

## Client Sample ID: VER_003R_FD — Lab Sample ID: 500-246480-3

No Detections.

## Client Sample ID: VER_008R — Lab Sample ID: 500-246480-4

No Detections.

## Client Sample ID: VER_010 — Lab Sample ID: 500-246480-5

No Detections.

## Client Sample ID: VER_020 — Lab Sample ID: 500-246480-6

No Detections.

## Client Sample ID: VER_021 — Lab Sample ID: 500-246480-7

No Detections.

## Client Sample ID: VER_034 — Lab Sample ID: 500-246480-8

No Detections.

## Client Sample ID: VER_036 — Lab Sample ID: 500-246480-9

No Detections.

## Client Sample ID: VER_036_FD — Lab Sample ID: 500-246480-10

No Detections.

## Client Sample ID: VER_037 — Lab Sample ID: 500-246480-11

No Detections.

## Client Sample ID: VER_038 — Lab Sample ID: 500-246480-12

No Detections.

## Client Sample ID: VER_040 — Lab Sample ID: 500-246480-13

No Detections.

## Client Sample ID: VER_040_FD — Lab Sample ID: 500-246480-14

No Detections.

## Client Sample ID: VER_042 — Lab Sample ID: 500-246480-15

No Detections.

## Client Sample ID: VER_043 — Lab Sample ID: 500-246480-16

No Detections.

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD



## Client Sample ID: VER_043_FD — Lab Sample ID: 500-246480-17

No Detections.

## Client Sample ID: VER_101& — Lab Sample ID: 500-246480-18

No Detections.

## Client Sample ID: VER_103& — Lab Sample ID: 500-246480-19

No Detections.

## Client Sample ID: VER_EB1 — Lab Sample ID: 500-246480-21

No Detections.

## Client Sample ID: VER_004 — Lab Sample ID: 500-246480-22

No Detections.

## Client Sample ID: VER_005 — Lab Sample ID: 500-246480-23

No Detections.

## Client Sample ID: VER_007R — Lab Sample ID: 500-246480-24

No Detections.

## Client Sample ID: VER_016A — Lab Sample ID: 500-246480-25

No Detections.

## Client Sample ID: VER_022 — Lab Sample ID: 500-246480-26

No Detections.

## Client Sample ID: VER_035&D — Lab Sample ID: 500-246480-27

No Detections.

## Client Sample ID: VER_041 — Lab Sample ID: 500-246480-28

No Detections.

## Client Sample ID: VER_070#S — Lab Sample ID: 500-246480-29

No Detections.

## Client Sample ID: VER_070&D — Lab Sample ID: 500-246480-30

No Detections.

## Client Sample ID: VER_FB — Lab Sample ID: 500-246480-32

No Detections.

## Client Sample ID: VER_EB2 — Lab Sample ID: 500-246480-33

No Detections.

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 903.0 | Radium-226 (GFPC) | EPA | EET SL |
| 904.0 | Radium-228 (GFPC) | EPA | EET SL |
| Ra226_Ra228 Pos | Combined Radium-226 and Radium-228 | TAL-STL | EET SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | EET SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | EET SL |

**Protocol References:**

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 500-246480-1 | VER_002 | Water | 02/20/24 12:20 | 02/21/24 11:20 |
| 500-246480-2 | VER_003R | Water | 02/20/24 16:40 | 02/21/24 11:20 |
| 500-246480-3 | VER_003R_FD | Water | 02/20/24 16:40 | 02/21/24 11:20 |
| 500-246480-4 | VER_008R | Water | 02/20/24 17:25 | 02/21/24 11:20 |
| 500-246480-5 | VER_010 | Water | 02/20/24 17:55 | 02/21/24 11:20 |
| 500-246480-6 | VER_020 | Water | 02/20/24 09:25 | 02/21/24 11:20 |
| 500-246480-7 | VER_021 | Water | 02/20/24 16:30 | 02/21/24 11:20 |
| 500-246480-8 | VER_034 | Water | 02/20/24 09:35 | 02/21/24 11:20 |
| 500-246480-9 | VER_036 | Water | 02/20/24 15:15 | 02/21/24 11:20 |
| 500-246480-10 | VER_036_FD | Water | 02/20/24 15:15 | 02/21/24 11:20 |
| 500-246480-11 | VER_037 | Water | 02/20/24 14:35 | 02/21/24 11:20 |
| 500-246480-12 | VER_038 | Water | 02/20/24 10:30 | 02/21/24 11:20 |
| 500-246480-13 | VER_040 | Water | 02/20/24 11:20 | 02/21/24 11:20 |
| 500-246480-14 | VER_040_FD | Water | 02/20/24 11:20 | 02/21/24 11:20 |
| 500-246480-15 | VER_042 | Water | 02/20/24 12:17 | 02/21/24 11:20 |
| 500-246480-16 | VER_043 | Water | 02/20/24 11:30 | 02/21/24 11:20 |
| 500-246480-17 | VER_043_FD | Water | 02/20/24 11:30 | 02/21/24 11:20 |
| 500-246480-18 | VER_101& | Water | 02/20/24 13:45 | 02/21/24 11:20 |
| 500-246480-19 | VER_103& | Water | 02/20/24 15:15 | 02/21/24 11:20 |
| 500-246480-21 | VER_EB1 | Water | 02/20/24 17:50 | 02/21/24 11:20 |
| 500-246480-22 | VER_004 | Water | 02/21/24 08:45 | 02/22/24 11:18 |
| 500-246480-23 | VER_005 | Water | 02/21/24 09:40 | 02/22/24 11:18 |
| 500-246480-24 | VER_007R | Water | 02/21/24 11:20 | 02/22/24 11:18 |
| 500-246480-25 | VER_016A | Water | 02/21/24 13:15 | 02/22/24 11:18 |
| 500-246480-26 | VER_022 | Water | 02/21/24 11:10 | 02/22/24 11:18 |
| 500-246480-27 | VER_035&D | Water | 02/21/24 13:05 | 02/22/24 11:18 |
| 500-246480-28 | VER_041 | Water | 02/21/24 12:05 | 02/22/24 11:18 |
| 500-246480-29 | VER_070#S | Water | 02/21/24 09:20 | 02/22/24 11:18 |
| 500-246480-30 | VER_070&D | Water | 02/21/24 08:45 | 02/22/24 11:18 |
| 500-246480-32 | VER_FB | Water | 02/21/24 15:20 | 02/22/24 11:18 |
| 500-246480-33 | VER_EB2 | Water | 02/21/24 15:50 | 02/22/24 11:18 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_002

**Date Collected: 02/20/24 12:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-1

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.286 | | 0.138 | 0.140 | 1.00 | 0.165 | pCi/L | 02/23/24 09:44 | 03/18/24 16:30 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *102* | | *30 - 110* | *02/23/24 09:44* | *03/18/24 16:30* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.802 | | 0.427 | 0.434 | 1.00 | 0.594 | pCi/L | 02/23/24 09:49 | 03/13/24 12:09 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *102* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:09* | *1* |
| *Y Carrier* | *85.2* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:09* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.09 | | 0.449 | 0.456 | 5.00 | 0.594 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_003R

**Date Collected: 02/20/24 16:40**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-2

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.611 | | 0.180 | 0.188 | 1.00 | 0.150 | pCi/L | 02/23/24 09:44 | 03/18/24 16:31 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/23/24 09:44* | *03/18/24 16:31* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.695 | | 0.454 | 0.459 | 1.00 | 0.678 | pCi/L | 02/23/24 09:49 | 03/13/24 12:10 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:10* | *1* |
| *Y Carrier* | *84.5* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:10* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.31 | | 0.488 | 0.496 | 5.00 | 0.678 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_003R_FD

**Date Collected: 02/20/24 16:40**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-3

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.432 | | 0.152 | 0.157 | 1.00 | 0.142 | pCi/L | 02/23/24 09:44 | 03/18/24 16:31 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *104* | | *30 - 110* | *02/23/24 09:44* | *03/18/24 16:31* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 2.22 | | 0.579 | 0.614 | 1.00 | 0.598 | pCi/L | 02/23/24 09:49 | 03/13/24 12:10 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *104* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:10* | *1* |
| *Y Carrier* | *84.9* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:10* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 2.66 | | 0.599 | 0.634 | 5.00 | 0.598 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_008R

**Date Collected: 02/20/24 17:25**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-4

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.120 | U | 0.0890 | 0.0897 | 1.00 | 0.126 | pCi/L | 02/23/24 09:44 | 03/18/24 16:31 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *94.4* | | *30 - 110* | *02/23/24 09:44* | *03/18/24 16:31* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **0.742** | | 0.362 | 0.368 | 1.00 | 0.487 | pCi/L | 02/23/24 09:49 | 03/13/24 12:10 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *94.4* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:10* | *1* |
| *Y Carrier* | *84.9* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:10* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.862** | | 0.373 | 0.379 | 5.00 | 0.487 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_010

**Date Collected: 02/20/24 17:55**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-5

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.574 | | 0.192 | 0.199 | 1.00 | 0.200 | pCi/L | 02/23/24 09:44 | 03/18/24 16:31 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *95.7* | | *30 - 110* | *02/23/24 09:44* | *03/18/24 16:31* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.94 | | 0.593 | 0.619 | 1.00 | 0.674 | pCi/L | 02/23/24 09:49 | 03/13/24 12:10 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *95.7* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:10* | *1* |
| *Y Carrier* | *86.0* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:10* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 2.51 | | 0.623 | 0.650 | 5.00 | 0.674 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_020

**Date Collected: 02/20/24 09:25**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-6

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0997 | U | 0.108 | 0.108 | 1.00 | 0.174 | pCi/L | 02/23/24 09:44 | 03/18/24 16:32 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.3* | | *30 - 110* | *02/23/24 09:44* | *03/18/24 16:32* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.310 | U | 0.385 | 0.386 | 1.00 | 0.637 | pCi/L | 02/23/24 09:49 | 03/13/24 12:49 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.3* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:49* | *1* |
| *Y Carrier* | *86.4* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:49* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.410 | U | 0.400 | 0.401 | 5.00 | 0.637 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_021

**Date Collected: 02/20/24 16:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-7

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.355 | | 0.245 | 0.247 | 1.00 | 0.315 | pCi/L | 02/23/24 10:00 | 03/20/24 17:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *92.6* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 17:50* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.253 | U | 0.430 | 0.431 | 1.00 | 0.738 | pCi/L | 02/23/24 10:04 | 03/20/24 11:54 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *92.6* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |
| *Y Carrier* | *78.5* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.608 | U | 0.495 | 0.497 | 5.00 | 0.738 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_034

**Date Collected: 02/20/24 09:35**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-8

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.216 | U | 0.469 | 0.469 | 1.00 | 0.861 | pCi/L | 02/23/24 10:00 | 03/20/24 17:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *36.5* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 17:50* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.62 | U G | 1.25 | 1.26 | 1.00 | 1.94 | pCi/L | 02/23/24 10:04 | 03/20/24 11:54 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *36.5* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |
| *Y Carrier* | *81.1* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.84 | U | 1.34 | 1.34 | 5.00 | 1.94 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_036

**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-9

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.221 | U | 0.199 | 0.200 | 1.00 | 0.302 | pCi/L | 02/23/24 10:00 | 03/20/24 17:51 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *101* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 17:51* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.245 | U | 0.342 | 0.343 | 1.00 | 0.573 | pCi/L | 02/23/24 10:04 | 03/20/24 11:54 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *101* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |
| *Y Carrier* | *84.5* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.466 | U | 0.396 | 0.397 | 5.00 | 0.573 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_036_FD

**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-10

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.194 | U | 0.172 | 0.173 | 1.00 | 0.254 | pCi/L | 02/23/24 10:00 | 03/20/24 17:51 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *101* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 17:51* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.337 | U | 0.328 | 0.329 | 1.00 | 0.526 | pCi/L | 02/23/24 10:04 | 03/20/24 11:54 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *101* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |
| *Y Carrier* | *84.5* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.531** | | 0.370 | 0.372 | 5.00 | 0.526 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_037

**Date Collected: 02/20/24 14:35**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-11

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.597 | | 0.349 | 0.353 | 1.00 | 0.426 | pCi/L | 02/23/24 10:00 | 03/20/24 17:51 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *74.6* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 17:51* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.24 | | 0.620 | 0.631 | 1.00 | 0.848 | pCi/L | 02/23/24 10:04 | 03/20/24 11:54 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *74.6* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |
| *Y Carrier* | *82.6* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:54* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.84 | | 0.711 | 0.723 | 5.00 | 0.848 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_038

**Date Collected: 02/20/24 10:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-12

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.489 | U | 0.439 | 0.442 | 1.00 | 0.667 | pCi/L | 02/23/24 10:00 | 03/20/24 18:01 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.5* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:01* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.16 | U G | 0.781 | 0.788 | 1.00 | 1.17 | pCi/L | 02/23/24 10:04 | 03/20/24 11:55 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.5* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:55* | *1* |
| *Y Carrier* | *83.4* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:55* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.65** | | 0.896 | 0.903 | 5.00 | 1.17 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_040

**Date Collected: 02/20/24 11:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-13

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0605 | U | 0.162 | 0.162 | 1.00 | 0.302 | pCi/L | 02/23/24 10:00 | 03/20/24 18:02 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:02* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **0.976** | | 0.380 | 0.390 | 1.00 | 0.481 | pCi/L | 02/23/24 10:04 | 03/20/24 11:55 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:55* | *1* |
| *Y Carrier* | *82.6* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:55* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.04** | | 0.413 | 0.422 | 5.00 | 0.481 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_040_FD

**Date Collected: 02/20/24 11:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-14

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.309 | | 0.214 | 0.216 | 1.00 | 0.301 | pCi/L | 02/23/24 10:00 | 03/20/24 18:02 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *108* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:02* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.701 | | 0.336 | 0.342 | 1.00 | 0.453 | pCi/L | 02/23/24 10:04 | 03/20/24 11:55 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *108* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:55* | *1* |
| *Y Carrier* | *80.4* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:55* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.01 | | 0.398 | 0.404 | 5.00 | 0.453 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_042

**Date Collected: 02/20/24 12:17**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-15

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.616 | U | 0.464 | 0.467 | 1.00 | 0.678 | pCi/L | 02/23/24 10:00 | 03/20/24 18:02 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *63.5* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:02* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.612 | U G | 0.638 | 0.641 | 1.00 | 1.03 | pCi/L | 02/23/24 10:04 | 03/20/24 11:55 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *63.5* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:55* | *1* |
| *Y Carrier* | *80.0* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:55* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.23** | | 0.789 | 0.793 | 5.00 | 1.03 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_043

**Date Collected: 02/20/24 11:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-16

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.000 | U | 0.293 | 0.293 | 1.00 | 0.581 | pCi/L | 02/23/24 10:00 | 03/20/24 18:02 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *80.5* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:02* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **0.917** | | 0.572 | 0.578 | 1.00 | 0.839 | pCi/L | 02/23/24 10:04 | 03/20/24 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *80.5* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:56* | *1* |
| *Y Carrier* | *82.2* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:56* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.917** | | 0.643 | 0.648 | 5.00 | 0.839 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_043_FD

**Date Collected: 02/20/24 11:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-17

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.643** | | 0.338 | 0.343 | 1.00 | 0.408 | pCi/L | 02/23/24 10:00 | 03/20/24 18:02 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.8* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:02* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.554 | U | 0.470 | 0.472 | 1.00 | 0.730 | pCi/L | 02/23/24 10:04 | 03/20/24 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.8* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:56* | *1* |
| *Y Carrier* | *76.6* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:56* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.20** | | 0.579 | 0.583 | 5.00 | 0.730 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_101&

**Date Collected: 02/20/24 13:45**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-18

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.153 | U | 0.246 | 0.246 | 1.00 | 0.429 | pCi/L | 02/23/24 10:00 | 03/20/24 18:03 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.8* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:03* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.211 | U | 0.399 | 0.399 | 1.00 | 0.694 | pCi/L | 02/23/24 10:04 | 03/20/24 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.8* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:56* | *1* |
| *Y Carrier* | *83.0* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:56* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.363 | U | 0.469 | 0.469 | 5.00 | 0.694 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_103&

**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-19

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0907 | U | 0.203 | 0.204 | 1.00 | 0.375 | pCi/L | 02/23/24 10:00 | 03/20/24 18:03 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *95.2* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:03* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.511 | U | 0.445 | 0.447 | 1.00 | 0.698 | pCi/L | 02/23/24 10:04 | 03/20/24 11:56 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *95.2* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:56* | *1* |
| *Y Carrier* | *82.2* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:56* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.602 | U | 0.489 | 0.491 | 5.00 | 0.698 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_EB1

**Date Collected: 02/20/24 17:50**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-21

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0850 | U | 0.208 | 0.208 | 1.00 | 0.376 | pCi/L | 02/23/24 10:00 | 03/20/24 18:03 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/23/24 10:00* | *03/20/24 18:03* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.154 | U | 0.283 | 0.283 | 1.00 | 0.489 | pCi/L | 02/23/24 10:04 | 03/20/24 12:07 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 12:07* | *1* |
| *Y Carrier* | *81.5* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 12:07* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.239 | U | 0.351 | 0.351 | 5.00 | 0.489 | pCi/L | | 03/22/24 19:03 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_004

**Date Collected: 02/21/24 08:45**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-22

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.419** | | 0.137 | 0.142 | 1.00 | 0.147 | pCi/L | 02/26/24 10:15 | 03/19/24 09:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *94.9* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:18* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.392 | U | 0.303 | 0.305 | 1.00 | 0.478 | pCi/L | 02/26/24 10:27 | 03/12/24 12:17 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *94.9* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:17* | *1* |
| *Y Carrier* | *76.3* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:17* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.812** | | 0.333 | 0.336 | 5.00 | 0.478 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_005

**Date Collected: 02/21/24 09:40**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-23

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0682 | U | 0.0708 | 0.0711 | 1.00 | 0.112 | pCi/L | 02/26/24 10:15 | 03/19/24 09:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:18* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.199 | U | 0.280 | 0.281 | 1.00 | 0.467 | pCi/L | 02/26/24 10:27 | 03/12/24 12:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |
| *Y Carrier* | *80.0* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.267 | U | 0.289 | 0.290 | 5.00 | 0.467 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_007R

**Date Collected: 02/21/24 11:20**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-24

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.116 | | 0.0750 | 0.0757 | 1.00 | 0.0996 | pCi/L | 02/26/24 10:15 | 03/19/24 09:19 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *101* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:19* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.463 | | 0.285 | 0.288 | 1.00 | 0.436 | pCi/L | 02/26/24 10:27 | 03/12/24 12:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *101* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |
| *Y Carrier* | *81.5* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.579 | | 0.295 | 0.298 | 5.00 | 0.436 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_016A

**Date Collected: 02/21/24 13:15**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-25

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.989 | | 0.260 | 0.275 | 1.00 | 0.182 | pCi/L | 02/26/24 10:15 | 03/19/24 09:19 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *93.9* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:19* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.780 | U | 0.576 | 0.581 | 1.00 | 0.898 | pCi/L | 02/26/24 10:27 | 03/12/24 12:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *93.9* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |
| *Y Carrier* | *73.6* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.77 | | 0.632 | 0.643 | 5.00 | 0.898 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_022

**Date Collected: 02/21/24 11:10**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-26

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.519 | | 0.134 | 0.142 | 1.00 | 0.103 | pCi/L | 02/26/24 10:15 | 03/19/24 09:19 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *99.2* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:19* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.206 | U | 0.251 | 0.252 | 1.00 | 0.415 | pCi/L | 02/26/24 10:27 | 03/12/24 12:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *99.2* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |
| *Y Carrier* | *78.9* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.724 | | 0.285 | 0.289 | 5.00 | 0.415 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_035&D

**Date Collected: 02/21/24 13:05**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-27

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0542 | U | 0.0625 | 0.0627 | 1.00 | 0.101 | pCi/L | 02/26/24 10:15 | 03/19/24 09:19 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *94.9* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:19* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.504 | U | 0.358 | 0.361 | 1.00 | 0.538 | pCi/L | 02/26/24 10:27 | 03/12/24 12:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *94.9* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |
| *Y Carrier* | *78.9* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.558** | | 0.363 | 0.366 | 5.00 | 0.538 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_041

**Date Collected: 02/21/24 12:05**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-28

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.472** | | 0.156 | 0.162 | 1.00 | 0.127 | pCi/L | 02/26/24 10:15 | 03/19/24 09:20 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *87.1* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:20* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.648 | U | 0.518 | 0.521 | 1.00 | 0.799 | pCi/L | 02/26/24 10:27 | 03/12/24 12:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *87.1* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |
| *Y Carrier* | *77.0* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:18* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.12** | | 0.541 | 0.546 | 5.00 | 0.799 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_070#S

**Date Collected: 02/21/24 09:20**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-29

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0859 | U | 0.0700 | 0.0704 | 1.00 | 0.0983 | pCi/L | 02/26/24 10:15 | 03/19/24 09:20 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *87.6* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:20* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.239 | U | 0.341 | 0.342 | 1.00 | 0.576 | pCi/L | 02/26/24 10:27 | 03/12/24 12:19 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *87.6* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:19* | *1* |
| *Y Carrier* | *77.8* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:19* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.325 | U | 0.348 | 0.349 | 5.00 | 0.576 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_070&D

**Date Collected: 02/21/24 08:45**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-30

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.527 | | 0.205 | 0.211 | 1.00 | 0.186 | pCi/L | 02/26/24 10:15 | 03/19/24 09:20 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.3* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:20* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.41 | G | 0.892 | 0.901 | 1.00 | 1.33 | pCi/L | 02/26/24 10:27 | 03/12/24 12:19 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.3* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:19* | *1* |
| *Y Carrier* | *78.1* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:19* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.94 | | 0.915 | 0.925 | 5.00 | 1.33 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_FB

**Date Collected: 02/21/24 15:20**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-32

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | -0.0238 | U | 0.0436 | 0.0437 | 1.00 | 0.105 | pCi/L | 02/26/24 10:15 | 03/19/24 09:20 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *108* | | *30 - 110* | *02/26/24 10:15* | *03/19/24 09:20* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.394 | U | 0.331 | 0.333 | 1.00 | 0.517 | pCi/L | 02/26/24 10:27 | 03/12/24 12:19 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *108* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:19* | *1* |
| *Y Carrier* | *77.0* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:19* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.394 | U | 0.334 | 0.336 | 5.00 | 0.517 | pCi/L | | 03/22/24 19:14 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_EB2

**Date Collected: 02/21/24 15:50**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-33

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0198 | U | 0.0493 | 0.0493 | 1.00 | 0.0916 | pCi/L | 02/26/24 10:15 | 03/22/24 06:39 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/26/24 10:15* | *03/22/24 06:39* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.307 | U | 0.289 | 0.290 | 1.00 | 0.459 | pCi/L | 02/26/24 10:27 | 03/12/24 12:19 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:19* | *1* |
| *Y Carrier* | *81.9* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:19* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.326 | U | 0.293 | 0.294 | 5.00 | 0.459 | pCi/L | | 03/22/24 19:14 | 1 |

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| G | The Sample MDC is greater than the requested RL. |
| U | Result is less than the sample detection limit. |

## Glossary

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

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Rad

### Prep Batch: 649386

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | PrecSep-21 | |
| 500-246480-2 | VER_003R | Total/NA | Water | PrecSep-21 | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | PrecSep-21 | |
| 500-246480-4 | VER_008R | Total/NA | Water | PrecSep-21 | |
| 500-246480-5 | VER_010 | Total/NA | Water | PrecSep-21 | |
| 500-246480-6 | VER_020 | Total/NA | Water | PrecSep-21 | |
| MB 160-649386/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-649386/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 500-246480-6 MS | VER_020 | Total/NA | Water | PrecSep-21 | |
| 500-246480-6 MSD | VER_020 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 649387

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-1 | VER_002 | Total/NA | Water | PrecSep_0 | |
| 500-246480-2 | VER_003R | Total/NA | Water | PrecSep_0 | |
| 500-246480-3 | VER_003R_FD | Total/NA | Water | PrecSep_0 | |
| 500-246480-4 | VER_008R | Total/NA | Water | PrecSep_0 | |
| 500-246480-5 | VER_010 | Total/NA | Water | PrecSep_0 | |
| 500-246480-6 | VER_020 | Total/NA | Water | PrecSep_0 | |
| MB 160-649387/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-649387/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 500-246480-6 MS | VER_020 | Total/NA | Water | PrecSep_0 | |
| 500-246480-6 MSD | VER_020 | Total/NA | Water | PrecSep_0 | |

### Prep Batch: 649393

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-7 | VER_021 | Total/NA | Water | PrecSep-21 | |
| 500-246480-8 | VER_034 | Total/NA | Water | PrecSep-21 | |
| 500-246480-9 | VER_036 | Total/NA | Water | PrecSep-21 | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | PrecSep-21 | |
| 500-246480-11 | VER_037 | Total/NA | Water | PrecSep-21 | |
| 500-246480-12 | VER_038 | Total/NA | Water | PrecSep-21 | |
| 500-246480-13 | VER_040 | Total/NA | Water | PrecSep-21 | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | PrecSep-21 | |
| 500-246480-15 | VER_042 | Total/NA | Water | PrecSep-21 | |
| 500-246480-16 | VER_043 | Total/NA | Water | PrecSep-21 | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | PrecSep-21 | |
| 500-246480-18 | VER_101& | Total/NA | Water | PrecSep-21 | |
| 500-246480-19 | VER_103& | Total/NA | Water | PrecSep-21 | |
| 500-246480-21 | VER_EB1 | Total/NA | Water | PrecSep-21 | |
| MB 160-649393/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-649393/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 500-246480-15 MS | VER_042 | Total/NA | Water | PrecSep-21 | |
| 500-246480-15 MSD | VER_042 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 649394

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-7 | VER_021 | Total/NA | Water | PrecSep_0 | |
| 500-246480-8 | VER_034 | Total/NA | Water | PrecSep_0 | |
| 500-246480-9 | VER_036 | Total/NA | Water | PrecSep_0 | |
| 500-246480-10 | VER_036_FD | Total/NA | Water | PrecSep_0 | |

## Rad (Continued)

### Prep Batch: 649394 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-11 | VER_037 | Total/NA | Water | PrecSep_0 | |
| 500-246480-12 | VER_038 | Total/NA | Water | PrecSep_0 | |
| 500-246480-13 | VER_040 | Total/NA | Water | PrecSep_0 | |
| 500-246480-14 | VER_040_FD | Total/NA | Water | PrecSep_0 | |
| 500-246480-15 | VER_042 | Total/NA | Water | PrecSep_0 | |
| 500-246480-16 | VER_043 | Total/NA | Water | PrecSep_0 | |
| 500-246480-17 | VER_043_FD | Total/NA | Water | PrecSep_0 | |
| 500-246480-18 | VER_101& | Total/NA | Water | PrecSep_0 | |
| 500-246480-19 | VER_103& | Total/NA | Water | PrecSep_0 | |
| 500-246480-21 | VER_EB1 | Total/NA | Water | PrecSep_0 | |
| MB 160-649394/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-649394/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 500-246480-15 MS | VER_042 | Total/NA | Water | PrecSep_0 | |
| 500-246480-15 MSD | VER_042 | Total/NA | Water | PrecSep_0 | |

### Prep Batch: 649787

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-22 | VER_004 | Total/NA | Water | PrecSep-21 | |
| 500-246480-23 | VER_005 | Total/NA | Water | PrecSep-21 | |
| 500-246480-24 | VER_007R | Total/NA | Water | PrecSep-21 | |
| 500-246480-25 | VER_016A | Total/NA | Water | PrecSep-21 | |
| 500-246480-26 | VER_022 | Total/NA | Water | PrecSep-21 | |
| 500-246480-27 | VER_035&D | Total/NA | Water | PrecSep-21 | |
| 500-246480-28 | VER_041 | Total/NA | Water | PrecSep-21 | |
| 500-246480-29 | VER_070#S | Total/NA | Water | PrecSep-21 | |
| 500-246480-30 | VER_070&D | Total/NA | Water | PrecSep-21 | |
| 500-246480-32 | VER_FB | Total/NA | Water | PrecSep-21 | |
| 500-246480-33 | VER_EB2 | Total/NA | Water | PrecSep-21 | |
| MB 160-649787/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-649787/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 500-246480-33 DU | VER_EB2 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 649789

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-246480-22 | VER_004 | Total/NA | Water | PrecSep_0 | |
| 500-246480-23 | VER_005 | Total/NA | Water | PrecSep_0 | |
| 500-246480-24 | VER_007R | Total/NA | Water | PrecSep_0 | |
| 500-246480-25 | VER_016A | Total/NA | Water | PrecSep_0 | |
| 500-246480-26 | VER_022 | Total/NA | Water | PrecSep_0 | |
| 500-246480-27 | VER_035&D | Total/NA | Water | PrecSep_0 | |
| 500-246480-28 | VER_041 | Total/NA | Water | PrecSep_0 | |
| 500-246480-29 | VER_070#S | Total/NA | Water | PrecSep_0 | |
| 500-246480-30 | VER_070&D | Total/NA | Water | PrecSep_0 | |
| 500-246480-32 | VER_FB | Total/NA | Water | PrecSep_0 | |
| 500-246480-33 | VER_EB2 | Total/NA | Water | PrecSep_0 | |
| MB 160-649789/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-649789/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 500-246480-33 DU | VER_EB2 | Total/NA | Water | PrecSep_0 | |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

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

**Lab Sample ID: MB 160-649386/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652964** — **Prep Batch: 649386**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.01482 | U | 0.0578 | 0.0578 | 1.00 | 0.115 | pCi/L | 02/23/24 09:44 | 03/18/24 14:36 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.6* | | *30 - 110* | *02/23/24 09:44* | *03/18/24 14:36* | *1* |

**Lab Sample ID: LCS 160-649386/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653503** — **Prep Batch: 649386**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | | | 11.3 | 10.33 | | 1.07 | 1.00 | 0.115 | pCi/L | 91 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *103* | | *30 - 110* |

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652964** — **Prep Batch: 649386**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0997 | U | 11.4 | 10.39 | | 1.11 | 1.00 | 0.114 | pCi/L | 90 | 60 - 140 | | |

| *Carrier* | *MS %Yield* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *97.5* | | *30 - 110* |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652964** — **Prep Batch: 649386**

| 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 | 0.0997 | U | 11.4 | 10.77 | | 1.17 | 1.00 | 0.149 | pCi/L | 94 | 60 - 140 | 0.17 | 1 |

| *Carrier* | *MSD %Yield* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *90.9* | | *30 - 110* |

**Lab Sample ID: MB 160-649393/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653196** — **Prep Batch: 649393**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | -0.08645 | U | 0.112 | 0.112 | 1.00 | 0.294 | pCi/L | 02/23/24 10:00 | 03/20/24 17:50 | 1 |

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

**Lab Sample ID: MB 160-649393/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653196** — **Prep Batch: 649393**

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 94.4 | | 30 - 110 | 02/23/24 10:00 | 03/20/24 17:50 | 1 |

**Lab Sample ID: LCS 160-649393/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653196** — **Prep Batch: 649393**

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 11.3 | 8.889 | | 1.17 | 1.00 | 0.230 | pCi/L | 78 | 75 - 125 |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 105 | | 30 - 110 |

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653266** — **Prep Batch: 649393**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.616 | U | 15.2 | 13.31 | | 1.71 | 1.00 | 0.442 | pCi/L | 84 | 60 - 140 |

| Carrier | MS %Yield | MS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 104 | | 30 - 110 |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653266** — **Prep Batch: 649393**

| 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 | 0.616 | U | 15.1 | 16.15 | | 2.24 | 1.00 | 0.726 | pCi/L | 103 | 60 - 140 | 0.72 | 1 |

| Carrier | MSD %Yield | MSD Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 58.4 | | 30 - 110 |

**Lab Sample ID: MB 160-649787/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653003** — **Prep Batch: 649787**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.007234 | U | 0.0501 | 0.0501 | 1.00 | 0.101 | pCi/L | 02/26/24 10:15 | 03/19/24 09:18 | 1 |

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 104 | | 30 - 110 | 02/26/24 10:15 | 03/19/24 09:18 | 1 |

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

**Lab Sample ID: LCS 160-649787/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653003** — **Prep Batch: 649787**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | | | 11.3 | 9.894 | | 1.04 | 1.00 | 0.0965 | pCi/L | 87 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *102* | | *30 - 110* |

**Lab Sample ID: 500-246480-33 DU** — **Client Sample ID: VER_EB2**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653597** — **Prep Batch: 649787**

| Analyte | Sample Result | Sample Qual | | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | | | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0198 | U | | 0.01669 | U | 0.0479 | 1.00 | 0.0913 | pCi/L | | | 0.03 | 1 |

| *Carrier* | *DU %Yield* | *DU Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *95.7* | | *30 - 110* |

## Method: 904.0 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-649387/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652361** — **Prep Batch: 649387**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | -0.02476 | U | 0.285 | 0.285 | 1.00 | 0.550 | pCi/L | 02/23/24 09:49 | 03/13/24 12:48 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.6* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:48* | *1* |
| *Y Carrier* | *85.6* | | *30 - 110* | *02/23/24 09:49* | *03/13/24 12:48* | *1* |

**Lab Sample ID: LCS 160-649387/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652361** — **Prep Batch: 649387**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 9.13 | 8.618 | | 1.17 | 1.00 | 0.454 | pCi/L | 94 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *105* | | *30 - 110* |
| *Y Carrier* | *90.5* | | *30 - 110* |

## Method: 904.0 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: 500-246480-6 MS** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652315** — **Prep Batch: 649387**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.310 | U | 9.19 | 10.23 | | 1.38 | 1.00 | 0.522 | pCi/L | 108 | 60 - 140 |

| *Carrier* | *MS %Yield* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *97.5* | | *30 - 110* |
| *Y Carrier* | *84.1* | | *30 - 110* |

**Lab Sample ID: 500-246480-6 MSD** — **Client Sample ID: VER_020**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652315** — **Prep Batch: 649387**

| 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 | 0.310 | U | 9.16 | 9.672 | | 1.35 | 1.00 | 0.511 | pCi/L | 102 | 60 - 140 | 0.20 | 1 |

| *Carrier* | *MSD %Yield* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *90.9* | | *30 - 110* |
| *Y Carrier* | *85.2* | | *30 - 110* |

**Lab Sample ID: MB 160-649394/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653196** — **Prep Batch: 649394**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.4215 | U | 0.303 | 0.305 | 1.00 | 0.451 | pCi/L | 02/23/24 10:04 | 03/20/24 11:53 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *94.4* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:53* | *1* |
| *Y Carrier* | *83.7* | | *30 - 110* | *02/23/24 10:04* | *03/20/24 11:53* | *1* |

**Lab Sample ID: LCS 160-649394/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653196** — **Prep Batch: 649394**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 9.11 | 9.820 | | 1.28 | 1.00 | 0.431 | pCi/L | 108 | 75 - 125 |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *105* | | *30 - 110* |
| *Y Carrier* | *81.9* | | *30 - 110* |

## Method: 904.0 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: 500-246480-15 MS** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653196** — **Prep Batch: 649394**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.612 | U G | 12.2 | 13.24 | | 1.73 | 1.00 | 0.596 | pCi/L | 104 | 60 - 140 |

| *Carrier* | *MS %Yield* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *104* | | *30 - 110* |
| *Y Carrier* | *82.6* | | *30 - 110* |

**Lab Sample ID: 500-246480-15 MSD** — **Client Sample ID: VER_042**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 653196** — **Prep Batch: 649394**

| 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 | 0.612 | U G | 12.1 | 15.27 | | 2.32 | 1.00 | 1.26 | pCi/L | 121 | 60 - 140 | 0.50 | 1 |

| *Carrier* | *MSD %Yield* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *58.4* | | *30 - 110* |
| *Y Carrier* | *78.9* | | *30 - 110* |

**Lab Sample ID: MB 160-649789/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652066** — **Prep Batch: 649789**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.08858 | U | 0.251 | 0.251 | 1.00 | 0.449 | pCi/L | 02/26/24 10:27 | 03/12/24 12:17 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *104* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:17* | *1* |
| *Y Carrier* | *81.5* | | *30 - 110* | *02/26/24 10:27* | *03/12/24 12:17* | *1* |

**Lab Sample ID: LCS 160-649789/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 652066** — **Prep Batch: 649789**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 9.13 | 9.482 | | 1.12 | 1.00 | 0.402 | pCi/L | 104 | 75 - 125 |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *102* | | *30 - 110* |
| *Y Carrier* | *78.9* | | *30 - 110* |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Method: 904.0 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: 500-246480-33 DU**
**Matrix: Water**
**Analysis Batch: 652066**

**Client Sample ID: VER_EB2**
**Prep Type: Total/NA**
**Prep Batch: 649789**

| Analyte | Sample Result | Sample Qual | | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | | | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.307 | U | | 0.3580 | U | 0.336 | 1.00 | 0.529 | pCi/L | | | 0.08 | 1 |

| *Carrier* | *DU %Yield* | *DU Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *95.7* | | *30 - 110* |
| *Y Carrier* | *73.6* | | *30 - 110* |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_002
**Date Collected: 02/20/24 12:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-1
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649386 | KAC | EET SL | 02/23/24 09:44 |
| Total/NA | Analysis | 903.0 | | 1 | 652964 | SCB | EET SL | 03/18/24 16:30 |
| Total/NA | Prep | PrecSep_0 | | | 649387 | KAC | EET SL | 02/23/24 09:49 |
| Total/NA | Analysis | 904.0 | | 1 | 652361 | FLC | EET SL | 03/13/24 12:09 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_003R
**Date Collected: 02/20/24 16:40**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-2
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649386 | KAC | EET SL | 02/23/24 09:44 |
| Total/NA | Analysis | 903.0 | | 1 | 652964 | SCB | EET SL | 03/18/24 16:31 |
| Total/NA | Prep | PrecSep_0 | | | 649387 | KAC | EET SL | 02/23/24 09:49 |
| Total/NA | Analysis | 904.0 | | 1 | 652315 | SWS | EET SL | 03/13/24 12:10 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_003R_FD
**Date Collected: 02/20/24 16:40**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-3
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649386 | KAC | EET SL | 02/23/24 09:44 |
| Total/NA | Analysis | 903.0 | | 1 | 652964 | SCB | EET SL | 03/18/24 16:31 |
| Total/NA | Prep | PrecSep_0 | | | 649387 | KAC | EET SL | 02/23/24 09:49 |
| Total/NA | Analysis | 904.0 | | 1 | 652315 | SWS | EET SL | 03/13/24 12:10 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_008R
**Date Collected: 02/20/24 17:25**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-4
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649386 | KAC | EET SL | 02/23/24 09:44 |
| Total/NA | Analysis | 903.0 | | 1 | 652964 | SCB | EET SL | 03/18/24 16:31 |
| Total/NA | Prep | PrecSep_0 | | | 649387 | KAC | EET SL | 02/23/24 09:49 |
| Total/NA | Analysis | 904.0 | | 1 | 652315 | SWS | EET SL | 03/13/24 12:10 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_010
**Date Collected: 02/20/24 17:55**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-5
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649386 | KAC | EET SL | 02/23/24 09:44 |
| Total/NA | Analysis | 903.0 | | 1 | 652964 | SCB | EET SL | 03/18/24 16:31 |
| Total/NA | Prep | PrecSep_0 | | | 649387 | KAC | EET SL | 02/23/24 09:49 |
| Total/NA | Analysis | 904.0 | | 1 | 652315 | SWS | EET SL | 03/13/24 12:10 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_020
**Date Collected: 02/20/24 09:25**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-6
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649386 | KAC | EET SL | 02/23/24 09:44 |
| Total/NA | Analysis | 903.0 | | 1 | 652964 | SCB | EET SL | 03/18/24 16:32 |
| Total/NA | Prep | PrecSep_0 | | | 649387 | KAC | EET SL | 02/23/24 09:49 |
| Total/NA | Analysis | 904.0 | | 1 | 652315 | SWS | EET SL | 03/13/24 12:49 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_021
**Date Collected: 02/20/24 16:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-7
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 17:50 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:54 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_034
**Date Collected: 02/20/24 09:35**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-8
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 17:50 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:54 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_036
**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-9
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 17:51 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:54 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_036_FD
**Date Collected: 02/20/24 15:15**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-10
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 17:51 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:54 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_037
**Date Collected: 02/20/24 14:35**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-11
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 17:51 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:54 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_038
**Date Collected: 02/20/24 10:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-12
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:01 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:55 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_040
**Date Collected: 02/20/24 11:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-13
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:02 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:55 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_040_FD
**Date Collected: 02/20/24 11:20**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-14
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:02 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:55 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_042
**Date Collected: 02/20/24 12:17**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-15
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:02 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:55 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_043
**Date Collected: 02/20/24 11:30**
**Date Received: 02/21/24 11:20**

## Lab Sample ID: 500-246480-16
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:02 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:56 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_043_FD
**Lab Sample ID: 500-246480-17**
**Date Collected: 02/20/24 11:30**
**Matrix: Water**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:02 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:56 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_101&
**Lab Sample ID: 500-246480-18**
**Date Collected: 02/20/24 13:45**
**Matrix: Water**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:03 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:56 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_103&
**Lab Sample ID: 500-246480-19**
**Date Collected: 02/20/24 15:15**
**Matrix: Water**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:03 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653196 | SCB | EET SL | 03/20/24 11:56 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

## Client Sample ID: VER_EB1
**Lab Sample ID: 500-246480-21**
**Date Collected: 02/20/24 17:50**
**Matrix: Water**
**Date Received: 02/21/24 11:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649393 | KAC | EET SL | 02/23/24 10:00 |
| Total/NA | Analysis | 903.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 18:03 |
| Total/NA | Prep | PrecSep_0 | | | 649394 | KAC | EET SL | 02/23/24 10:04 |
| Total/NA | Analysis | 904.0 | | 1 | 653266 | SWS | EET SL | 03/20/24 12:07 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653735 | EMH | EET SL | 03/22/24 19:03 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_004
**Date Collected: 02/21/24 08:45**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-22
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:18 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:17 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_005
**Date Collected: 02/21/24 09:40**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-23
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:18 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:18 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_007R
**Date Collected: 02/21/24 11:20**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-24
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:19 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:18 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_016A
**Date Collected: 02/21/24 13:15**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-25
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:19 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:18 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_022
**Date Collected: 02/21/24 11:10**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-26
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:19 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:18 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_035&D
**Date Collected: 02/21/24 13:05**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-27
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:19 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:18 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_041
**Date Collected: 02/21/24 12:05**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-28
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:20 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:18 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_070#S
**Date Collected: 02/21/24 09:20**
**Date Received: 02/22/24 11:18**

## Lab Sample ID: 500-246480-29
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:20 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:19 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Client Sample ID: VER_070&D
**Lab Sample ID: 500-246480-30**
**Date Collected: 02/21/24 08:45**
**Matrix: Water**
**Date Received: 02/22/24 11:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:20 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:19 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_FB
**Lab Sample ID: 500-246480-32**
**Date Collected: 02/21/24 15:20**
**Matrix: Water**
**Date Received: 02/22/24 11:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653003 | SWS | EET SL | 03/19/24 09:20 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:19 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

## Client Sample ID: VER_EB2
**Lab Sample ID: 500-246480-33**
**Date Collected: 02/21/24 15:50**
**Matrix: Water**
**Date Received: 02/22/24 11:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 649787 | KAC | EET SL | 02/26/24 10:15 |
| Total/NA | Analysis | 903.0 | | 1 | 653597 | SCB | EET SL | 03/22/24 06:39 |
| Total/NA | Prep | PrecSep_0 | | | 649789 | KAC | EET SL | 02/26/24 10:27 |
| Total/NA | Analysis | 904.0 | | 1 | 652066 | FLC | EET SL | 03/12/24 12:19 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 653736 | EMH | EET SL | 03/22/24 19:14 |

**Laboratory References:**
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Illinois | NELAP | 200023 | 11-30-24 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 903.0 | PrecSep-21 | Water | Radium-226 |
| 904.0 | PrecSep_0 | Water | Radium-228 |
| Ra226_Ra228 Pos | | Water | Radium 226 and 228 |

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

500-246480

500-246480 COC

Page 1 of 3

| Section A Required Client Information | | Section B Required Project Information | | Section C Invoice Information | |
|---|---|---|---|---|---|
| Company | Vistra Corp-Vermilion | Report To | Brian Voelker | Attention: | Dave McCoy |
| Address | 10188 E 2150 North Rd | Copy To. | Sam Davies samantha.davies@vistracorp.com | Company Name | A3 Environmental |
| | Danville, IL 61834 | | Dianna Tickner - Dianna Tickner@vistracorp com | Address | 3030 Warrenville Rd, Lisle, IL 60532 |
| Email To | Brian.Voelker@VistraCorp.com | Purchase Order No | | Quote Reference | |
| Phone | (217) 753-8911 Fax: | Project Name | VER-24Q1 | Project Manager | Donna Campbell & Dirk Nelson |
| Requested Due Date/TAT | 10 day | Project Number | 50022750 | Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

| ITEM # | Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives: Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N): VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | VER_002 | | | 2/20/24 | 12:20 | | 6 | | | | | | | | | X | | | | X | X | | |
| 2 | VER_003R | | | 2/20/24 | 16:40 | | 6 | | | | | | | | | X | | | | X | X | | |
| 3 | VER_003R_FD | | | 2/20/24 | 16:40 | | 6 | | | | | | | | | X | | | | X | X | | |
| | ~~VER_004~~ | | | | | | | | | | | | | | | ~~X~~ | | | | ~~X~~ | ~~X~~ | | |
| | ~~VER_005~~ | | | | | | | | | | | | | | | ~~X~~ | | | | ~~X~~ | ~~X~~ | | |
| | ~~VER_007R~~ | | | | | | | | | | | | | | | ~~X~~ | | | | ~~X~~ | ~~X~~ | | |
| 4 | VER_008R | | | 2/20/24 | 17:25 | | 6 | | | | | | | | | X | | | | X | X | | |
| 5 | VER_010 | | | 2/20/24 | 17:55 | | 6 | | | | | | | | | | X | X | X | | X | | |
| | ~~VER_016IB~~ | | | | | | | | | | | | | | | | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | | |
| | ~~VER_016A~~ | | | | | | | | | | | | | | | | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | | |
| | ~~VER_017~~ | | | | | | | | | | | | | | | ~~X~~ | | | | ~~X~~ | ~~X~~ | | |
| 6 | VER_020 | | | 2/20/24 | 9:25 | | 18 | | | | | | | | | X | | | | X | X | | MS/MSD |
| 7 | VER_021 | | | 2/20/24 | 10:30 | | 6 | | | | | | | | | X | | | | X | X | | |
| | ~~VER_022~~ | | | | | | | | | | | | | | | | ~~X~~ | | | ~~X~~ | ~~X~~ | | |
| 8 | VER_034 | | | 2/20/24 | 09:35 | | 6 | | | | | | | | | X | | | | X | X | | |
| | ~~VER_035#S~~ | | | | | | | | | | | | | | | | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | [illegible] A3E | 2.21.24 | 930 | [illegible] | 2/21/24 | 09:30 | |
| | [illegible] | 2/21/24 | 1120 | [illegible] | 2/21/24 | 1120 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: David McCoy / Taylor Olsen - Allison Barkett

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/20/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

5.8 → 5.3, 4.6 → 4.1, 3.1 → 2.6, 4.4 → 3.9, 5.6 → 5.1, 4.1 → 3.6

500-246280

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page 2 of 3

**Section A** Required Client Information

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 |
| Fax. | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To | Brian Voelker |
| Copy To | Sam Davies. samantha.davies@vistracorp.com |
| | Dianna Tickner - Dianna Tickner@vistracorp.com |
| Purchase Order No | |
| Project Name | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention | Dave McCoy |
| Company Name | A3 Environmental |
| Address | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference | |
| Project Manager: | Donna Campbell & Dirk Nelson |
| Profile # | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

SAMPLE ID (A-Z, 0-9 / ) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ~~VER_035&D~~ | | | | | | | | | | | | | | | | | X | X | X | | X | | | | | | | | |
| 9 | VER_036 | | | 2/20/24 | 15:15 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 10 | VER_036_FD | | | 2/20/24 | 15:15 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 11 | VER_037 | | | 2/20/24 | 14:35 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 12 | VER_038 | | | 2/20/24 | 10:30 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 13 | VER_040 | | | 2/20/24 | 11:20 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 14 | VER_040_FD | | | 2/20/24 | 11:20 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | ~~VER_041~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 15 | VER_042 | | | 2/20/24 | 12:17 | | | | | | | | | | | | X | | | | X | X | | | | | | | | MS/MSD |
| 16 | VER_043 | | | 2/20/24 | 11:30 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 17 | VER_043_FD | | | 2/20/24 | 11:30 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | ~~VER_070#S~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | ~~VER_070&D~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | ~~VER_071#S~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | ~~VER_071&D~~ | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| 18 | VER_101& | | | 2/20/24 | 13:45 | | | | | | | | | | | | X | | | | X | X | | | | | | | | |

| | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | Dave McCoy A3E | 2.21.24 | 0930 | Verna Blanchard | 2/21/24 | 09:30 | |
| | Verna Blanchard | 2/21/24 | 1120 | [illegible] | 2/21/24 | 1120 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave McCoy Taylor Clark

SIGNATURE of SAMPLER: [illegible]

DATE Signed (MM/DD/YY): 2/20/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

500-246480

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 3 of 3

**Section A** Required Client Information.

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 Fax: |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To | Brian Voelker |
| Copy To | Sam Davies samantha.davies@vistracorp.com |
| | Dianna Tickner - Dianna Tickner@vistracorp.com |
| Purchase Order No | |
| Project Name | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information

| | |
|---|---|
| Attention | Dave McCoy |
| Company Name | A3 Environmental |
| Address | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference | |
| Project Manager: | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | VER_103& | | | 2/24/24 | 1515 | | 6 | | | | | | | | | X | | | | X | X | | |
| 20 | VER_ND3 | | | 2/20/24 | 1340 | | 6 | | | | | | | | | X | | | | X | | | No RAD Analysis |
| | ~~VER_NED1~~ | | | | | | | | | | | | | | | | X | | | X | | | ~~No RAD Analysis~~ |
| | ~~VER_OED1~~ | | | | | | | | | | | | | | | X | | | | X | | | ~~No RAD Analysis~~ |
| | ~~VER_FB~~ | | | | | | | | | | | | | | | | X | X | X | | X | | |
| 21 | VER_EB1 | | | 2/20/24 | 1750 | | 7 | | | | | | | | | | X | X | X | | X | | |
| | ~~VER_EB2~~ | | | | | | | | | | | | | | | | X | X | X | | X | | |
| | ~~VER_EB3~~ | | | | | | | | | | | | | | | | X | X | X | | X | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | Dave McCoy A3E | 2-21-24 | 0930 | Alyson Schnell | 2/21/24 | 0930 | |
| | Alyson Schnell | 2/21/24 | 1120 | [illegible] | 2/21/24 | 1120 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave McCoy Taylor Clark

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/20/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

500-246480

Page: 1 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone: (217) 753-8911 | Fax: |
| Requested Due Date/TAT: | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Sam Davies: samantha.davies@vistracorp.com |
| | Dianna Tickner Dianna.Tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name: | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dave McCoy |
| Company Name: | A3 Environmental |
| Address: | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference: | |
| Project Manager | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

500-246480 COC

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | W |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | S |

SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ~~VER_002~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_003R~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_003R_FD~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| 22 | VER_004 | | | 2.21.24 | 0845 | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| 23 | VER_005 | | | 2.21.24 | 0940 | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| 24 | VER_007R | | | 2.21.24 | 11:20 | | 6 | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_008R~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_010~~ | | | | | | | | | | | | | | | | | X | X | X | | X | | | | | | | |
| | ~~VER_016IB~~ | | | | | | | | | | | | | | | | | X | X | X | | X | | | | | | | |
| 25 | VER_016A | | | 2.21.24 | 1315 | | 7 | | | | | | | | | | | X | X | X | | X | | | | | | | |
| | ~~VER_017~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_020~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | MS/MSD |
| | ~~VER_021~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| 26 | VER_022 | | | 2.21.24 | 1110 | | 6 | | | | | | | | | | | X | | | X | X | | | | | | | |
| | ~~VER_034~~ | | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | |
| | ~~VER_035#S~~ | | | | | | | | | | | | | | | | | X | X | X | | X | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | Dave NY | 2.21.24 | 1630 | Jason Blenes | 2/22/24 | 0923 | |
| | Jason Blenes 2/22/24 | 2.21.24 | 1118 | Stephanie Hernandez EFIA | 2/22/24 | 1118 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVE McCoy

SIGNATURE of SAMPLER: 2/21/24

DATE Signed (MM/DD/YY): 2.21.24

Temp in °C: 4.6→4.1, 3.2→2.7, 1.0→1.5, 3.0→2.5

Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

DM

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

500-246490

Page: 2 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone: (217) 753-8911 | Fax: |
| Requested Due Date/TAT: | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Sam Davies: samantha.davies@vistracorp.com |
| | Dianna Tickner Dianna.Tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name: | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dave McCoy |
| Company Name: | A3 Environmental |
| Address: | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference: | |
| Project Manager | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | P |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

| | ITEM # | SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives: Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 26 | VER_035&D | | | 2/21/24 | 13:05 | | 6 | | | | | | | | | | X | X | X | | X | | | | | | | | |
| | | ~~VER_036~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_036_FD~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_037~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_038~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_040~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_040_FD~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 28 | 27 | VER_041 | | | 2.21.24 | 12:05 | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_042~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | MS/MSD |
| | | ~~VER_043~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| | | ~~VER_043_FD~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |
| 29 | 28 | VER_070#S | | | 2.21.24 | 0920 | | 6 | | | | | | | | | | X | | | X | X | | | | | | | | |
| 30 | 29 | VER_070&D | | | 2.21.24 | 0845 | | 6 | | | | | | | | | | X | | | X | X | | | | | | | | |
| | | ~~VER_071#S~~ | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | | ~~VER_071&D~~ | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | |
| | | ~~VER_101&~~ | | | | | | | | | | | | | | | X | | | | X | X | | | | | | | | |

| RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | 2.21.24 | 16:30 | Vesore Blanco | 2/22/24 | 0923 | |
| Vesore Blanco 2/22/24 | | 1116 | Stephanie Hammond EEFA | 2/22/24 | 1118 | |

| SAMPLER NAME AND SIGNATURE | | | |
|---|---|---|---|
| PRINT Name of SAMPLER: | Dave McCoy | | |
| SIGNATURE of SAMPLER: | DM | DATE Signed (MM/DD/YY): | 2.21.24 |

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

2/21/24

DM

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

500 24L0490

Page: 3 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone: (217) 753-8911 | Fax: |
| Requested Due Date/TAT: | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Sam Davies: samantha.davies@vistracorp.com |
| | Dianna Tickner Dianna.Tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name: | VER-24Q1 |
| Project Number: | 50022750 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dave McCoy |
| Company Name: | A3 Environmental |
| Address: | 3030 Warrenville Rd, Lisle, IL 60532 |
| Quote Reference: | |
| Project Manager | Donna Campbell & Dirk Nelson |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AI |
| OTHER | OT |
| TISSUE | TS |

SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER-845-910-911 | VER-845-912 | VER-NPDES-912 | VER_000_A | VER_000_B | VER_000_RAD | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | VER_103& | | | | | | | | | | | | | | | X | | | | X | X | | |
| | VER_ND3 | | | | | | | | | | | | | | | X | | | | X | | | No RAD Analysis |
| 31 30 | VER_NED1 | | | 2 21.24 | 1500 | | 6 | | | | | | | | | | X | | | X | | | No RAD Analysis |
| | VER_OED1 | | | | | | | | | | | | | | | X | | | | X | | | No RAD Analysis |
| 32 31 | VER_FB | | | 2 21.24 | 15.20 | | 7 | | | | | | | | | | X | X | X | | X | | |
| | VER_EB1 | | | | | | | | | | | | | | | | X | X | X | | X | | |
| 33 32 | VER_EB2 | | | 2 21 24 | 15.50 | | 7 | | | | | | | | | | X | X | X | | X | | |
| | VER_EB3 | | | | | | | | | | | | | | | | X | X | X | | X | | |

2/21/24 HS

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-24Q1 Rev 1 | [signature] | 2/21/24 | 1650 | [signature] | 2/22/24 | 0923 | |
| | [signature] | 2/22/24 | 1118 | Stephanie Hernandez EEIA | 2/22/24 | 1118 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dave McCoy

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2 21.24

2/21/24 DM

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

**Eurofins Chicago**
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Campbell, Donna L | Carrier Tracking No(s): | COC No: 500-184995.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Donna.Campbell@et.eurofinsus.com | State of Origin: Illinois | Page: Page 1 of 3 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-246480-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/21/2024 | | | |
| City: Earth City | TAT Requested (days): | | | |
| State, Zip: MO, 63045 | | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: VER-24Q1 | Project #: 50022750 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**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
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
Y - Trizma
Z - other (specify)
Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| VER_002 (500-246480-1) | 2/20/24 | 12:20 Central | | Water | | | X | X | X | 2 | |
| VER_003R (500-246480-2) | 2/20/24 | 16:40 Central | | Water | | | X | X | X | 2 | |
| VER_003R_FD (500-246480-3) | 2/20/24 | 16:40 Central | | Water | | | X | X | X | 2 | |
| VER_008R (500-246480-4) | 2/20/24 | 17:25 Central | | Water | | | X | X | X | 2 | |
| VER_010 (500-246480-5) | 2/20/24 | 17:55 Central | | Water | | | X | X | X | 2 | |
| VER_020 (500-246480-6) | 2/20/24 | 09:25 Central | | Water | | | X | X | X | 2 | |
| VER_020 (500-246480-6MS) | 2/20/24 | 09:25 Central | MS | Water | | | X | X | X | 2 | |
| VER_020 (500-246480-6MSD) | 2/20/24 | 09:25 Central | MSD | Water | | | X | X | X | 2 | |
| VER_021 (500-246480-7) | 2/20/24 | 10:30 Central | | Water | | | X | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

***Possible Hazard Identification***
*Unconfirmed*

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

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

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

| Relinquished by | Date/Time | Company | Received by | Date/Time | Company |
|---|---|---|---|---|---|
| Stephanie Hernandez | 2/21/24 1630 | EETA | Richard Thornley | FEB 22 2024 | ETA STL |
| | | | | | |
| | | | | | |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

Ver: 06/08/2021

**Eurofins Chicago**
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| | | | | |
|---|---|---|---|---|
| **Client Information (Sub Contract Lab)** | Sampler: | Lab PM: Campbell, Donna L | Carrier Tracking No(s): | COC No: 500-184995.2 |
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Donna.Campbell@et.eurofinsus.com | State of Origin: Illinois | Page: Page 2 of 3 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-246480-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/21/2024 | | | |
| City: Earth City | TAT Requested (days): | | | |
| State, Zip: MO, 63045 | | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: VER-24Q1 | Project #: 50022750 | | | |
| Site: | SSOW#: | | | |

**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
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
Y - Trizma
Z - other (specify)

Other:

**Analysis Requested**

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| VER_034 (500-246480-8) | 2/20/24 | 09:35 Central | | Water | | | X | X | X | 2 | |
| VER_036 (500-246480-9) | 2/20/24 | 15:15 Central | | Water | | | X | X | X | 2 | |
| VER_036_FD (500-246480-10) | 2/20/24 | 15:15 Central | | Water | | | X | X | X | 2 | |
| VER_037 (500-246480-11) | 2/20/24 | 14:35 Central | | Water | | | X | X | X | 2 | |
| VER_038 (500-246480-12) | 2/20/24 | 10:30 Central | | Water | | | X | X | X | 2 | |
| VER_040 (500-246480-13) | 2/20/24 | 11:20 Central | | Water | | | X | X | X | 2 | |
| VER_040_FD (500-246480-14) | 2/20/24 | 11:20 Central | | Water | | | X | X | X | 2 | |
| VER_042 (500-246480-15) | 2/20/24 | 12:17 Central | | Water | | | X | X | X | 2 | |
| VER_042 (500-246480-15MS) | 2/20/24 | 12:17 Central | MS | Water | | | X | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

***Possible Hazard Identification***
*Unconfirmed*

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

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

| | | | | | |
|---|---|---|---|---|---|
| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: | | |
| Relinquished by: Stephanie Hernandez | Date/Time: 2/21/24 1630 | Company: EETA | Received by: Richard Thornley | Date/Time: FEB 22 2024 | Company: ETA STL |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

**Eurofins Chicago**
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Campbell, Donna L | Carrier Tracking No(s): | COC No: 500-184995 3 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Donna.Campbell@et.eurofinsus.com | State of Origin: Illinois | Page: Page 3 of 3 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-246480-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/21/2024 | | | |
| City: Earth City | TAT Requested (days): | | | |
| State, Zip: MO, 63045 | | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: VER-24Q1 | Project #: 50022750 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**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
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
Y - Trizma
Z - other (specify)
Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| VER_042 (500-246480-15MSD) | 2/20/24 | 12:17 Central | MSD | Water | | | X | X | X | 2 | |
| VER_043 (500-246480-16) | 2/20/24 | 11:30 Central | | Water | | | X | X | X | 2 | |
| VER_043_FD (500-246480-17) | 2/20/24 | 11:30 Central | | Water | | | X | X | X | 2 | |
| VER_101& (500-246480-18) | 2/20/24 | 13:45 Central | | Water | | | X | X | X | 2 | |
| VER_103& (500-246480-19) | 2/20/24 | 15:15 Central | | Water | | | X | X | X | 2 | |
| VER_EB1 (500-246480-21) | 2/20/24 | 17:50 Central | | Water | | | X | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

***Possible Hazard Identification***
*Unconfirmed*

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

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

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

| Relinquished by | Date/Time | Company | Received by | Date/Time | Company |
|---|---|---|---|---|---|
| Stephanie Hemmel | 2/21/24 1630 | EETA | Richard Thornley | FEB 22 2024 | ETA STL |
| | | | | | |
| | | | | | |

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

**Eurofins Chicago**
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| | | | | |
|---|---|---|---|---|
| **Client Information (Sub Contract Lab)** | Sampler: | Lab PM: Campbell, Donna L | Carrier Tracking No(s): | COC No: 500-185017.1 |
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Donna.Campbell@et.eurofinsus.com | State of Origin: Illinois | Page: Page 1 of 2 |
| Company: TestAmerica Laboratories, Inc | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-246480-1 |
| Address: 13715 Rider Trail North, | Due Date Requested: 3/5/2024 | | | |
| City: Earth City | TAT Requested (days): | | | |
| State, Zip: MO, 63045 | | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | PO # | | | |
| Email: | WO # | | | |
| Project Name: VER-24Q1 | Project #: 50022750 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**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
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
Y - Trizma
Z - other (specify)
Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 903.0/PrecSep_21 BF | 904.0/PrecSep_0 BF | Ra226_228GFPC_P/ BF | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | 903.0/PrecSep_21 BH | 904.0/PrecSep_0 BH | Ra226_228GFPC_P/ BH | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | | | | | | | |
| VER_004 (500-246480-22) | 2/21/24 | 08:45 Central | | Water | | | X | X | X | X | X | X | | | | 2 | |
| VER_005 (500-246480-23) | 2/21/24 | 09:40 Central | | Water | | | X | X | X | X | X | X | | | | 2 | |
| VER_007R (500-246480-24) | 2/21/24 | 11:20 Central | | Water | | | X | X | X | X | X | X | | | | 2 | |
| VER_016A (500-246480-25) | 2/21/24 | 13:15 Central | | Water | | | | | | X | X | X | X | X | X | 2 | |
| VER_022 (500-246480-26) | 2/21/24 | 11:10 Central | | Water | | | | | | X | X | X | X | X | X | 2 | |
| VER_035&D (500-246480-27) | 2/21/24 | 13:05 Central | | Water | | | | | | X | X | X | X | X | X | 2 | |
| VER_041 (500-246480-28) | 2/21/24 | 12:05 Central | | Water | | | X | X | X | X | X | X | | | | 2 | |
| VER_070#S (500-246480-29) | 2/21/24 | 09:20 Central | | Water | | | | | | X | X | X | X | X | X | 2 | |
| VER_070&D (500-246480-30) | 2/21/24 | 08:45 Central | | Water | | | | | | X | X | X | X | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

| | |
|---|---|
| ***Possible Hazard Identification*** *Unconfirmed* | ***Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| | | | | | | |
|---|---|---|---|---|---|---|
| Empty Kit Relinquished by: | | Date: | Time: | | Method of Shipment: | |
| Relinquished by: Shri Scott | Date/Time: 2/22/24 1300 | Company | Received by: Sue Wallgren | | Date/Time: 2/23/24 0830 | Company: EASR |
| Relinquished by: | Date/Time: | Company | Received by: | | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | | Date/Time: | Company |
| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks: | | | |

**Eurofins Chicago**
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| | | | | |
|---|---|---|---|---|
| **Client Information (Sub Contract Lab)** | Sampler: | Lab PM: Campbell, Donna L | Carrier Tracking No(s): | COC No: 500-185017.2 |
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Donna.Campbell@et.eurofinsus.com | State of Origin: Illinois | Page: Page 2 of 2 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-246480-1 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/5/2024 | | | |
| City: Earth City | TAT Requested (days): | | | |
| State, Zip: MO, 63045 | | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: VER-24Q1 | Project #: 50022750 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 903.0/PrecSep_21 BF | 904.0/PrecSep_0 BF | Ra226_228GFPC_P/ BF | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | 903.0/PrecSep_21 BH | 904.0/PrecSep_0 BH | Ra226_228GFPC_P/ BH | | | | | | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | | | | | | | | | | | | |
| VER_EB1 (500-246480-32) | 2/21/24 | 15:20 Central | | Water | | | | | | X | X | X | X | X | X | | | | | | 2 | |
| VER_EB2 (500-246480-33) | 2/21/24 | 15:50 Central | | Water | | | | | | X | X | X | X | X | X | | | | | | 2 | |

**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
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
Y - Trizma
Z - other (specify)
Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

| | |
|---|---|
| *Possible Hazard Identification* Unconfirmed | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

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

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: [signature] | Date/Time: 2/22/24 1300 | Company | Received by: [signature] | Date/Time: 2/23/24 0830 | Company: ETAS |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| | | |
|---|---|---|
| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |

# Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-246480-2
SDG Number: VER_000_RAD

**Login Number: 246480**
**List Number: 1**
**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 5.3,4.1,2.6,3.9,5.1,3.6,4.1,2.7,1.5,2.5 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | False | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-246480-2
SDG Number: VER_000_RAD

**Login Number: 246480**
**List Number: 2**
**Creator: Thornley, Richard W**

**List Source: Eurofins St. Louis**
**List Creation: 02/22/24 01:34 PM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-246480-2
SDG Number: VER_000_RAD

**Login Number: 246480**
**List Number: 3**
**Creator: Thornley, Richard W**

**List Source: Eurofins St. Louis**
**List Creation: 02/23/24 03:47 PM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

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

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

| | | Percent Yield (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) | | | | | | | |
| 500-246480-1 | VER_002 | 102 | | | | | | | |
| 500-246480-2 | VER_003R | 103 | | | | | | | |
| 500-246480-3 | VER_003R_FD | 104 | | | | | | | |
| 500-246480-4 | VER_008R | 94.4 | | | | | | | |
| 500-246480-5 | VER_010 | 95.7 | | | | | | | |
| 500-246480-6 | VER_020 | 88.3 | | | | | | | |
| 500-246480-6 MS | VER_020 | 97.5 | | | | | | | |
| 500-246480-6 MSD | VER_020 | 90.9 | | | | | | | |
| 500-246480-7 | VER_021 | 92.6 | | | | | | | |
| 500-246480-8 | VER_034 | 36.5 | | | | | | | |
| 500-246480-9 | VER_036 | 101 | | | | | | | |
| 500-246480-10 | VER_036_FD | 101 | | | | | | | |
| 500-246480-11 | VER_037 | 74.6 | | | | | | | |
| 500-246480-12 | VER_038 | 86.5 | | | | | | | |
| 500-246480-13 | VER_040 | 103 | | | | | | | |
| 500-246480-14 | VER_040_FD | 108 | | | | | | | |
| 500-246480-15 | VER_042 | 63.5 | | | | | | | |
| 500-246480-15 MS | VER_042 | 104 | | | | | | | |
| 500-246480-15 MSD | VER_042 | 58.4 | | | | | | | |
| 500-246480-16 | VER_043 | 80.5 | | | | | | | |
| 500-246480-17 | VER_043_FD | 88.8 | | | | | | | |
| 500-246480-18 | VER_101& | 84.8 | | | | | | | |
| 500-246480-19 | VER_103& | 95.2 | | | | | | | |
| 500-246480-21 | VER_EB1 | 103 | | | | | | | |
| 500-246480-22 | VER_004 | 94.9 | | | | | | | |
| 500-246480-23 | VER_005 | 103 | | | | | | | |
| 500-246480-24 | VER_007R | 101 | | | | | | | |
| 500-246480-25 | VER_016A | 93.9 | | | | | | | |
| 500-246480-26 | VER_022 | 99.2 | | | | | | | |
| 500-246480-27 | VER_035&D | 94.9 | | | | | | | |
| 500-246480-28 | VER_041 | 87.1 | | | | | | | |
| 500-246480-29 | VER_070#S | 87.6 | | | | | | | |
| 500-246480-30 | VER_070&D | 86.3 | | | | | | | |
| 500-246480-32 | VER_FB | 108 | | | | | | | |
| 500-246480-33 | VER_EB2 | 103 | | | | | | | |
| 500-246480-33 DU | VER_EB2 | 95.7 | | | | | | | |
| LCS 160-649386/2-A | Lab Control Sample | 103 | | | | | | | |
| LCS 160-649393/2-A | Lab Control Sample | 105 | | | | | | | |
| LCS 160-649787/2-A | Lab Control Sample | 102 | | | | | | | |
| MB 160-649386/1-A | Method Blank | 88.6 | | | | | | | |
| MB 160-649393/1-A | Method Blank | 94.4 | | | | | | | |
| MB 160-649787/1-A | Method Blank | 104 | | | | | | | |

**Tracer/Carrier Legend**

Ba = Ba Carrier

# Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q1

Job ID: 500-246480-2
SDG: VER_000_RAD

## Method: 904.0 - Radium-228 (GFPC)

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

| | | Percent Yield (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) | Y (30-110) | | | | | | | | |
| 500-246480-1 | VER_002 | 102 | 85.2 | | | | | | | | |
| 500-246480-2 | VER_003R | 103 | 84.5 | | | | | | | | |
| 500-246480-3 | VER_003R_FD | 104 | 84.9 | | | | | | | | |
| 500-246480-4 | VER_008R | 94.4 | 84.9 | | | | | | | | |
| 500-246480-5 | VER_010 | 95.7 | 86.0 | | | | | | | | |
| 500-246480-6 | VER_020 | 88.3 | 86.4 | | | | | | | | |
| 500-246480-6 MS | VER_020 | 97.5 | 84.1 | | | | | | | | |
| 500-246480-6 MSD | VER_020 | 90.9 | 85.2 | | | | | | | | |
| 500-246480-7 | VER_021 | 92.6 | 78.5 | | | | | | | | |
| 500-246480-8 | VER_034 | 36.5 | 81.1 | | | | | | | | |
| 500-246480-9 | VER_036 | 101 | 84.5 | | | | | | | | |
| 500-246480-10 | VER_036_FD | 101 | 84.5 | | | | | | | | |
| 500-246480-11 | VER_037 | 74.6 | 82.6 | | | | | | | | |
| 500-246480-12 | VER_038 | 86.5 | 83.4 | | | | | | | | |
| 500-246480-13 | VER_040 | 103 | 82.6 | | | | | | | | |
| 500-246480-14 | VER_040_FD | 108 | 80.4 | | | | | | | | |
| 500-246480-15 | VER_042 | 63.5 | 80.0 | | | | | | | | |
| 500-246480-15 MS | VER_042 | 104 | 82.6 | | | | | | | | |
| 500-246480-15 MSD | VER_042 | 58.4 | 78.9 | | | | | | | | |
| 500-246480-16 | VER_043 | 80.5 | 82.2 | | | | | | | | |
| 500-246480-17 | VER_043_FD | 88.8 | 76.6 | | | | | | | | |
| 500-246480-18 | VER_101& | 84.8 | 83.0 | | | | | | | | |
| 500-246480-19 | VER_103& | 95.2 | 82.2 | | | | | | | | |
| 500-246480-21 | VER_EB1 | 103 | 81.5 | | | | | | | | |
| 500-246480-22 | VER_004 | 94.9 | 76.3 | | | | | | | | |
| 500-246480-23 | VER_005 | 103 | 80.0 | | | | | | | | |
| 500-246480-24 | VER_007R | 101 | 81.5 | | | | | | | | |
| 500-246480-25 | VER_016A | 93.9 | 73.6 | | | | | | | | |
| 500-246480-26 | VER_022 | 99.2 | 78.9 | | | | | | | | |
| 500-246480-27 | VER_035&D | 94.9 | 78.9 | | | | | | | | |
| 500-246480-28 | VER_041 | 87.1 | 77.0 | | | | | | | | |
| 500-246480-29 | VER_070#S | 87.6 | 77.8 | | | | | | | | |
| 500-246480-30 | VER_070&D | 86.3 | 78.1 | | | | | | | | |
| 500-246480-32 | VER_FB | 108 | 77.0 | | | | | | | | |
| 500-246480-33 | VER_EB2 | 103 | 81.9 | | | | | | | | |
| 500-246480-33 DU | VER_EB2 | 95.7 | 73.6 | | | | | | | | |
| LCS 160-649387/2-A | Lab Control Sample | 105 | 90.5 | | | | | | | | |
| LCS 160-649394/2-A | Lab Control Sample | 105 | 81.9 | | | | | | | | |
| LCS 160-649789/2-A | Lab Control Sample | 102 | 78.9 | | | | | | | | |
| MB 160-649387/1-A | Method Blank | 88.6 | 85.6 | | | | | | | | |
| MB 160-649394/1-A | Method Blank | 94.4 | 83.7 | | | | | | | | |
| MB 160-649789/1-A | Method Blank | 104 | 81.5 | | | | | | | | |

**Tracer/Carrier Legend**

Ba = Ba Carrier
Y = Y Carrier

# ATTACHMENT C
# COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
# QUARTER 1, 2024

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 02 | LGU | E004 | Antimony, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 02 | LGU | E004 | Arsenic, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CI around mean | 0.00557 | 0.0600 |
| 02 | LGU | E004 | Barium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.193 | 0.520 |
| 02 | LGU | E004 | Beryllium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 02 | LGU | E004 | Boron, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.306 | 2.45 |
| 02 | LGU | E004 | Cadmium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 02 | LGU | E004 | Chloride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 38.6 | 82.0 |
| 02 | LGU | E004 | Chromium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 02 | LGU | E004 | Cobalt, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.00400 |
| 02 | LGU | E004 | Fluoride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CB around linear reg | 0.497 | 1.14 |
| 02 | LGU | E004 | Lead, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.00600 |
| 02 | LGU | E004 | Lithium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 50 | CI around mean | 0.0029 | 0.0300 |
| 02 | LGU | E004 | Mercury, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 02 | LGU | E004 | Molybdenum, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 02 | LGU | E004 | pH (field) | SU | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 7.4/7.8 | 6.8/7.8 |
| 02 | LGU | E004 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 0.485 | 1.90 |
| 02 | LGU | E004 | Selenium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 02 | LGU | E004 | Sulfate, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | -12.1 | 227 |
| 02 | LGU | E004 | Thallium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 02 | LGU | E004 | Total Dissolved Solids | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 558 | 746 |
| 03R | LGU | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 03R | LGU | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.00491 | 0.0600 |
| 03R | LGU | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.287 | 0.520 |
| 03R | LGU | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 03R | LGU | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around median | 19.1 | 2.45 |
| 03R | LGU | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 75 | CI around median | 0.00051 | 0.001 |
| 03R | LGU | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 2 | CI around mean | 26 | 82.0 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 03R | LGU | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 83 | CI around median | 0.0015 | 0.0200 |
| 03R | LGU | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 83 | CI around median | 0.001 | 0.00400 |
| 03R | LGU | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 8 | CI around mean | 0.447 | 1.14 |
| 03R | LGU | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 58 | CI around median | 0.001 | 0.00600 |
| 03R | LGU | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CI around median | 0.003 | 0.0300 |
| 03R | LGU | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 03R | LGU | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.185 | 0.0200 |
| 03R | LGU | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 7.2/7.4 | 6.8/7.8 |
| 03R | LGU | E004 | Radium 226 + Radium 228, total | pCi/L | 04/21/21 - 02/20/24 | 10 | 0 | CI around mean | 0.928 | 1.90 |
| 03R | LGU | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 03R | LGU | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 487 | 227 |
| 03R | LGU | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 03R | LGU | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 1,090 | 746 |
| 04 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 04 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/21/24 | 12 | 8 | CI around geomean | 0.00541 | 0.0600 |
| 04 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 0.225 | 0.520 |
| 04 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 04 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 8.41 | 2.45 |
| 04 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 04 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 10.4 | 82.0 |
| 04 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 04 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/21/24 | 12 | 92 | Most recent sample | 0.001 | 0.00400 |
| 04 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 8 | CI around median | 0.3 | 1.14 |
| 04 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.00600 |
| 04 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 0.0461 | 0.0300 |
| 04 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 04 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 0.032 | 0.0200 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 04 | UA | E004 | pH (field) | SU | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 7.3/7.6 | 6.8/7.8 |
| 04 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/19/21 - 02/21/24 | 10 | 0 | CI around mean | 0.635 | 1.90 |
| 04 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 04 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 37.3 | 227 |
| 04 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 04 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 366 | 746 |
| 05 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 05 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.02 | 0.0600 |
| 05 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 0.022 | 0.520 |
| 05 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 05 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 18.6 | 2.45 |
| 05 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 05 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 2 | CI around mean | 7.55 | 82.0 |
| 05 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 05 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/21/24 | 12 | 83 | CI around median | 0.001 | 0.00400 |
| 05 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 8 | CB around linear reg | 0.539 | 1.14 |
| 05 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.00600 |
| 05 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around geomean | 0.0852 | 0.0300 |
| 05 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 05 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 0.0384 | 0.0200 |
| 05 | UA | E004 | pH (field) | SU | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 7.2/7.4 | 6.8/7.8 |
| 05 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/21/21 - 02/21/24 | 10 | 0 | CI around mean | 0.00358 | 1.90 |
| 05 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 05 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 62.1 | 227 |
| 05 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 05 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 528 | 746 |
| 07R | UA | E004 | Antimony, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.001 | 0.00100 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 07R | UA | E004 | Arsenic, total | mg/L | 05/12/21 - 02/21/24 | 8 | 12 | CI around geomean | 0.000795 | 0.0600 |
| 07R | UA | E004 | Barium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around median | 0.0176 | 0.520 |
| 07R | UA | E004 | Beryllium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.0005 | 0.001 |
| 07R | UA | E004 | Boron, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CB around linear reg | 28.3 | 2.45 |
| 07R | UA | E004 | Cadmium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.0005 | 0.001 |
| 07R | UA | E004 | Chloride, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 4.54 | 82.0 |
| 07R | UA | E004 | Chromium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.001 | 0.0200 |
| 07R | UA | E004 | Cobalt, total | mg/L | 05/12/21 - 02/21/24 | 8 | 75 | CI around median | 0.001 | 0.00400 |
| 07R | UA | E004 | Fluoride, total | mg/L | 05/12/21 - 02/21/24 | 8 | 12 | CI around mean | 0.0882 | 1.14 |
| 07R | UA | E004 | Lead, total | mg/L | 05/12/21 - 02/21/24 | 8 | 62 | CI around median | 0.0005 | 0.00600 |
| 07R | UA | E004 | Lithium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 0.536 | 0.0300 |
| 07R | UA | E004 | Mercury, total | mg/L | 05/12/21 - 02/21/24 | 8 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 07R | UA | E004 | Molybdenum, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 0.361 | 0.0200 |
| 07R | UA | E004 | pH (field) | SU | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 7.3/7.7 | 6.8/7.8 |
| 07R | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around geomean | 0.278 | 1.90 |
| 07R | UA | E004 | Selenium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 25 | CI around mean | 0.00122 | 0.001 |
| 07R | UA | E004 | Sulfate, total | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 1,750 | 227 |
| 07R | UA | E004 | Thallium, total | mg/L | 05/12/21 - 02/21/24 | 8 | 100 | All ND - Last | 0.002 | 0.002 |
| 07R | UA | E004 | Total Dissolved Solids | mg/L | 05/12/21 - 02/21/24 | 8 | 0 | CI around mean | 2,870 | 746 |
| 08R | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 08R | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CB around linear reg | 0.0239 | 0.0600 |
| 08R | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.055 | 0.520 |
| 08R | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 08R | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around median | 14.4 | 2.45 |
| 08R | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 08R | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around median | 4 | 82.0 |
| 08R | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 08R | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.00400 |
| 08R | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 75 | CI around median | 0.1 | 1.14 |
| 08R | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.00600 |
| 08R | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around median | 0.13 | 0.0300 |
| 08R | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 08R | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.174 | 0.0200 |
| 08R | UA | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 7.0/8.0 | 6.8/7.8 |
| 08R | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/21/21 - 02/20/24 | 10 | 0 | CI around mean | 0.394 | 1.90 |
| 08R | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 08R | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CB around linear reg | 518 | 227 |
| 08R | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 08R | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 1,060 | 746 |
| 17 | UA | E004 | Antimony, total | mg/L | -- | -- | -- | -- | -- | 0.00100 |
| 17 | UA | E004 | Arsenic, total | mg/L | -- | -- | -- | -- | -- | 0.0600 |
| 17 | UA | E004 | Barium, total | mg/L | -- | -- | -- | -- | -- | 0.520 |
| 17 | UA | E004 | Beryllium, total | mg/L | -- | -- | -- | -- | -- | 0.001 |
| 17 | UA | E004 | Boron, total | mg/L | -- | -- | -- | -- | -- | 2.45 |
| 17 | UA | E004 | Cadmium, total | mg/L | -- | -- | -- | -- | -- | 0.001 |
| 17 | UA | E004 | Chloride, total | mg/L | -- | -- | -- | -- | -- | 82.0 |
| 17 | UA | E004 | Chromium, total | mg/L | -- | -- | -- | -- | -- | 0.0200 |
| 17 | UA | E004 | Cobalt, total | mg/L | -- | -- | -- | -- | -- | 0.00400 |
| 17 | UA | E004 | Fluoride, total | mg/L | -- | -- | -- | -- | -- | 1.14 |
| 17 | UA | E004 | Lead, total | mg/L | -- | -- | -- | -- | -- | 0.00600 |
| 17 | UA | E004 | Lithium, total | mg/L | -- | -- | -- | -- | -- | 0.0300 |
| 17 | UA | E004 | Mercury, total | mg/L | -- | -- | -- | -- | -- | 0.0002 |
| 17 | UA | E004 | Molybdenum, total | mg/L | -- | -- | -- | -- | -- | 0.0200 |
| 17 | UA | E004 | pH (field) | SU | -- | -- | -- | -- | -- | 6.8/7.8 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | -- | -- | -- | -- | -- | 1.90 |
| 17 | UA | E004 | Selenium, total | mg/L | -- | -- | -- | -- | -- | 0.001 |
| 17 | UA | E004 | Sulfate, total | mg/L | -- | -- | -- | -- | -- | 227 |
| 17 | UA | E004 | Thallium, total | mg/L | -- | -- | -- | -- | -- | 0.002 |
| 17 | UA | E004 | Total Dissolved Solids | mg/L | -- | -- | -- | -- | -- | 746 |
| 20 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 20 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 67 | CI around median | 0.001 | 0.0600 |
| 20 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0175 | 0.520 |
| 20 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 20 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.639 | 2.45 |
| 20 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 20 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 14 | CI around median | 4 | 82.0 |
| 20 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 20 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 83 | CI around median | 0.001 | 0.00400 |
| 20 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.1 | 1.14 |
| 20 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.00600 |
| 20 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around geomean | 0.0198 | 0.0300 |
| 20 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 20 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CI around median | 0.0015 | 0.0200 |
| 20 | UA | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 6.9/7.1 | 6.8/7.8 |
| 20 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/19/21 - 02/20/24 | 10 | 0 | CI around mean | 0.385 | 1.90 |
| 20 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 20 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 73.2 | 227 |
| 20 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 20 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 402 | 746 |
| 34 | LGU | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 34 | LGU | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0244 | 0.0600 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 34 | LGU | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 0.154 | 0.520 |
| 34 | LGU | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 34 | LGU | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around geomean | 0.471 | 2.45 |
| 34 | LGU | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 34 | LGU | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 33.1 | 82.0 |
| 34 | LGU | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 42 | CI around mean | 0.00189 | 0.0200 |
| 34 | LGU | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 50 | CI around median | 0.001 | 0.00400 |
| 34 | LGU | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 8 | CI around median | 0.62 | 1.14 |
| 34 | LGU | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 8 | CI around mean | 0.00145 | 0.00600 |
| 34 | LGU | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 42 | CI around mean | 0.00323 | 0.0300 |
| 34 | LGU | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 34 | LGU | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CI around median | 0.0015 | 0.0200 |
| 34 | LGU | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 7.0/7.2 | 6.8/7.8 |
| 34 | LGU | E004 | Radium 226 + Radium 228, total | pCi/L | 04/19/21 - 02/20/24 | 10 | 0 | CI around mean | 0.402 | 1.90 |
| 34 | LGU | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 34 | LGU | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 88 | CI around median | 1 | 227 |
| 34 | LGU | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 34 | LGU | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 474 | 746 |
| 36 | UA | E004 | Antimony, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 36 | UA | E004 | Arsenic, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CB around linear reg | 0.00329 | 0.0600 |
| 36 | UA | E004 | Barium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.103 | 0.520 |
| 36 | UA | E004 | Beryllium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 36 | UA | E004 | Boron, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 11.7 | 2.45 |
| 36 | UA | E004 | Cadmium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 36 | UA | E004 | Chloride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 18.1 | 82.0 |
| 36 | UA | E004 | Chromium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 36 | UA | E004 | Cobalt, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.001 | 0.00400 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 36 | UA | E004 | Fluoride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CI around median | 0.25 | 1.14 |
| 36 | UA | E004 | Lead, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.0005 | 0.00600 |
| 36 | UA | E004 | Lithium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.134 | 0.0300 |
| 36 | UA | E004 | Mercury, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 36 | UA | E004 | Molybdenum, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.11 | 0.0200 |
| 36 | UA | E004 | pH (field) | SU | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 7.0/7.3 | 6.8/7.8 |
| 36 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 1.03 | 1.90 |
| 36 | UA | E004 | Selenium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 36 | UA | E004 | Sulfate, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 952 | 227 |
| 36 | UA | E004 | Thallium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 36 | UA | E004 | Total Dissolved Solids | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 1,650 | 746 |
| 37 | LGU | E004 | Antimony, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 37 | LGU | E004 | Arsenic, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around median | 0.0257 | 0.0600 |
| 37 | LGU | E004 | Barium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.281 | 0.520 |
| 37 | LGU | E004 | Beryllium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 37 | LGU | E004 | Boron, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 1.67 | 2.45 |
| 37 | LGU | E004 | Cadmium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 37 | LGU | E004 | Chloride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 41.3 | 82.0 |
| 37 | LGU | E004 | Chromium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CB around T-S line | 0.0015 | 0.0200 |
| 37 | LGU | E004 | Cobalt, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.00400 |
| 37 | LGU | E004 | Fluoride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 8 | CI around mean | 0.562 | 1.14 |
| 37 | LGU | E004 | Lead, total | mg/L | 03/31/21 - 02/20/24 | 12 | 75 | CI around median | 0.0005 | 0.00600 |
| 37 | LGU | E004 | Lithium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.003 | 0.0300 |
| 37 | LGU | E004 | Mercury, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 37 | LGU | E004 | Molybdenum, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.0015 | 0.0200 |
| 37 | LGU | E004 | pH (field) | SU | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 6.8/7.1 | 6.8/7.8 |
| 37 | LGU | E004 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 0.869 | 1.90 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 37 | LGU | E004 | Selenium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 37 | LGU | E004 | Sulfate, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 97 | 227 |
| 37 | LGU | E004 | Thallium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 37 | LGU | E004 | Total Dissolved Solids | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 804 | 746 |
| 38 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 38 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CB around linear reg | 0.0261 | 0.0600 |
| 38 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CB around T-S line | -0.129 | 0.520 |
| 38 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 38 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around geomean | 0.414 | 2.45 |
| 38 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 38 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 17.5 | 82.0 |
| 38 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 38 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.00400 |
| 38 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/20/24 | 12 | 8 | CI around geomean | 0.347 | 1.14 |
| 38 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CI around median | 0.0005 | 0.00600 |
| 38 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 50 | CI around geomean | 0.00293 | 0.0300 |
| 38 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 38 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/20/24 | 12 | 33 | CI around mean | 0.00237 | 0.0200 |
| 38 | UA | E004 | pH (field) | SU | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 6.9/7.1 | 6.8/7.8 |
| 38 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/19/21 - 02/20/24 | 10 | 0 | CI around mean | 0.935 | 1.90 |
| 38 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 38 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/20/24 | 12 | 92 | CB around T-S line | 0.0678 | 227 |
| 38 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 38 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/20/24 | 12 | 0 | CI around mean | 500 | 746 |
| 40 | UA | E004 | Antimony, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 40 | UA | E004 | Arsenic, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0173 | 0.0600 |
| 40 | UA | E004 | Barium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0297 | 0.520 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 40 | UA | E004 | Beryllium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 40 | UA | E004 | Boron, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 19.8 | 2.45 |
| 40 | UA | E004 | Cadmium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 92 | CI around median | 0.0005 | 0.001 |
| 40 | UA | E004 | Chloride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 6.17 | 82.0 |
| 40 | UA | E004 | Chromium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 40 | UA | E004 | Cobalt, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0053 | 0.00400 |
| 40 | UA | E004 | Fluoride, total | mg/L | 03/31/21 - 02/20/24 | 12 | 83 | CI around median | 0.1 | 1.14 |
| 40 | UA | E004 | Lead, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0005 | 0.00600 |
| 40 | UA | E004 | Lithium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around median | 0.74 | 0.0300 |
| 40 | UA | E004 | Mercury, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 40 | UA | E004 | Molybdenum, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 0.0582 | 0.0200 |
| 40 | UA | E004 | pH (field) | SU | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 6.4/6.6 | 6.8/7.8 |
| 40 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 03/31/21 - 02/20/24 | 11 | 0 | CI around mean | 0.708 | 1.90 |
| 40 | UA | E004 | Selenium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 40 | UA | E004 | Sulfate, total | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CB around linear reg | 2,960 | 227 |
| 40 | UA | E004 | Thallium, total | mg/L | 03/31/21 - 02/20/24 | 12 | 83 | CI around median | 0.002 | 0.002 |
| 40 | UA | E004 | Total Dissolved Solids | mg/L | 03/31/21 - 02/20/24 | 12 | 0 | CI around mean | 4,400 | 746 |
| 41 | UA | E004 | Antimony, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.003 | 0.00100 |
| 41 | UA | E004 | Arsenic, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 0.0103 | 0.0600 |
| 41 | UA | E004 | Barium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 0.231 | 0.520 |
| 41 | UA | E004 | Beryllium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.001 | 0.001 |
| 41 | UA | E004 | Boron, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 2.93 | 2.45 |
| 41 | UA | E004 | Cadmium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.001 |
| 41 | UA | E004 | Chloride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CB around linear reg | 46.4 | 82.0 |
| 41 | UA | E004 | Chromium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 92 | CI around median | 0.0015 | 0.0200 |
| 41 | UA | E004 | Cobalt, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.001 | 0.00400 |
| 41 | UA | E004 | Fluoride, total | mg/L | 03/30/21 - 02/21/24 | 12 | 8 | CI around median | 0.41 | 1.14 |

**ATTACHMENT C.**
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 41 | UA | E004 | Lead, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0005 | 0.00600 |
| 41 | UA | E004 | Lithium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.005 | 0.0300 |
| 41 | UA | E004 | Mercury, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 41 | UA | E004 | Molybdenum, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.005 | 0.0200 |
| 41 | UA | E004 | pH (field) | SU | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 7.0/7.2 | 6.8/7.8 |
| 41 | UA | E004 | Radium 226 + Radium 228, total | pCi/L | 04/20/21 - 02/21/24 | 10 | 0 | CI around mean | 1.07 | 1.90 |
| 41 | UA | E004 | Selenium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.0025 | 0.001 |
| 41 | UA | E004 | Sulfate, total | mg/L | 03/30/21 - 02/21/24 | 12 | 83 | CI around median | 1 | 227 |
| 41 | UA | E004 | Thallium, total | mg/L | 03/30/21 - 02/21/24 | 12 | 100 | All ND - Last | 0.002 | 0.002 |
| 41 | UA | E004 | Total Dissolved Solids | mg/L | 03/30/21 - 02/21/24 | 12 | 0 | CI around mean | 600 | 746 |

**Notes:**
– = no data available
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:

LGU = Lower Groundwater Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination