



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

February 2, 2025

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 and Old East Ash Pond; 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 4, 2024 sampling event at the Vermilion Power Plant North Ash Pond and Old East Ash Pond (NAP-OEAP), 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 evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ 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) for the NAP-OEAP was submitted to IEPA on January 25, 2022 in accordance with 35 I.A.C. § 845.660. The CMA was the first step towards developing a Corrective Action Plan, which will ultimately select a remedy to address all releases from the NAP-OEAP. The selected remedy will meet the performance standards of 35 I.A.C. § 845.670(d) and the Corrective Action Plan will be submitted to the Agency on or before May 27, 2025. Once implemented and completed, the selected remedy will attain the GWPSs.

Sincerely,

A handwritten signature in blue ink that reads "Dianna Tickner".

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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 4, 2024, North Ash Pond and Old East Ash Pond, Vermilion Power Plant, Oakwood, Illinois

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Dynegy Midwest Generation, LLC's operating permit application for Vermilion Power Plant NAP-OEAP. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Dynegy Midwest Generation, LLC has not identified any actual exceedances.

35 I.A.C. § 845.610(b)(3)(D) GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹ QUARTER 4, 2024 *NORTH ASH POND AND OLD EAST ASH POND, VERMILION POWER PLANT, OAKWOOD, ILLINOIS*

February 2, 2025

Samples were collected from October 22 to 24, 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 December 4, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 4, 2024 sampling event. Porewater well ND3 and monitoring well 08R were dry at the time of sampling; therefore, groundwater elevations and a groundwater sample (08R) were not collected for this sampling event. A groundwater elevation was collected from monitoring well 17, but the well went dry during purging; therefore, no groundwater sample was 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 4, 2024 sampling event.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan², constituent concentrations observed at compliance monitoring wells in Quarter 4, 2024 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 4, 2024
Table 2	Evaluation of Compliance - Quarter 4, 2024

FIGURES

Figure 1	Monitoring Well Location Map
----------	------------------------------

ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 4, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 4, 2024
Attachment C	Comparison to Background - Quarter 4, 2024

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Dynegy Midwest Generation, LLC's operating permit application for Vermilion Power Plant NAP-OEAP. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Dynegy Midwest Generation, LLC has not identified any actual exceedances.

² 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.*

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
21	Background	E007	10/23/2024	Arsenic, total	0.0630	mg/L
21	Background	E007	10/23/2024	Barium, total	0.110	mg/L
21	Background	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L
21	Background	E007	10/23/2024	Boron, total	0.870	mg/L
21	Background	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
21	Background	E007	10/23/2024	Calcium, total	59.0	mg/L
21	Background	E007	10/23/2024	Chloride, total	1.50 J+	mg/L
21	Background	E007	10/23/2024	Chromium, total	0.0011 U	mg/L
21	Background	E007	10/23/2024	Cobalt, total	0.0004 U	mg/L
21	Background	E007	10/23/2024	Dissolved Oxygen	1.10	mg/L
21	Background	E007	10/23/2024	Fluoride, total	1.10	mg/L
21	Background	E007	10/23/2024	Lead, total	0.00019 U	mg/L
21	Background	E007	10/23/2024	Lithium, total	0.002 U	mg/L
21	Background	E007	10/23/2024	Mercury, total	0.000076 UJ	mg/L
21	Background	E007	10/23/2024	Molybdenum, total	0.0049 J	mg/L
21	Background	E007	10/23/2024	Oxidation Reduction Potential	138	mV
21	Background	E007	10/23/2024	pH (field)	7.6	SU
21	Background	E007	10/23/2024	Radium 226 + Radium 228, total	0.327	pCi/L
21	Background	E007	10/23/2024	Selenium, total	0.00098 U	mg/L
21	Background	E007	10/23/2024	Specific Conductance @ 25C (field)	600	micromhos/cm
21	Background	E007	10/23/2024	Sulfate, total	3.60 J	mg/L
21	Background	E007	10/23/2024	Temperature	14.2	degrees C
21	Background	E007	10/23/2024	Thallium, total	0.00057 U	mg/L
21	Background	E007	10/23/2024	Total Dissolved Solids	400	mg/L
21	Background	E007	10/23/2024	Turbidity, field	7.71	NTU
42	Background	E007	10/22/2024	Antimony, total	0.0013 U	mg/L
42	Background	E007	10/22/2024	Arsenic, total	0.0190	mg/L
42	Background	E007	10/22/2024	Barium, total	0.170	mg/L
42	Background	E007	10/22/2024	Beryllium, total	0.00053 U	mg/L
42	Background	E007	10/22/2024	Boron, total	0.610	mg/L
42	Background	E007	10/22/2024	Cadmium, total	0.00017 U	mg/L
42	Background	E007	10/22/2024	Calcium, total	88.0	mg/L
42	Background	E007	10/22/2024	Chloride, total	16.0	mg/L
42	Background	E007	10/22/2024	Chromium, total	0.0011 U	mg/L
42	Background	E007	10/22/2024	Cobalt, total	0.0004 U	mg/L
42	Background	E007	10/22/2024	Dissolved Oxygen	1.22	mg/L
42	Background	E007	10/22/2024	Fluoride, total	0.520	mg/L
42	Background	E007	10/22/2024	Lead, total	0.00019 U	mg/L
42	Background	E007	10/22/2024	Lithium, total	0.002 U	mg/L
42	Background	E007	10/22/2024	Mercury, total	0.000076 U	mg/L
42	Background	E007	10/22/2024	Molybdenum, total	0.0025 U	mg/L
42	Background	E007	10/22/2024	Oxidation Reduction Potential	145	mV
42	Background	E007	10/22/2024	pH (field)	7.7	SU
42	Background	E007	10/22/2024	Radium 226 + Radium 228, total	0.351	pCi/L
42	Background	E007	10/22/2024	Selenium, total	0.00098 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/22/2024	Specific Conductance @ 25C (field)	857	micromhos/cm
42	Background	E007	10/22/2024	Sulfate, total	41.0	mg/L
42	Background	E007	10/22/2024	Temperature	11.8	degrees C
42	Background	E007	10/22/2024	Thallium, total	0.00057 U	mg/L
42	Background	E007	10/22/2024	Total Dissolved Solids	500	mg/L
42	Background	E007	10/22/2024	Turbidity, field	7.19	NTU
43	Background	E007	10/22/2024	Antimony, total	0.0013 U	mg/L
43	Background	E007	10/22/2024	Arsenic, total	0.0110	mg/L
43	Background	E007	10/22/2024	Barium, total	0.430	mg/L
43	Background	E007	10/22/2024	Beryllium, total	0.00053 U	mg/L
43	Background	E007	10/22/2024	Boron, total	1.10	mg/L
43	Background	E007	10/22/2024	Cadmium, total	0.00017 U	mg/L
43	Background	E007	10/22/2024	Calcium, total	78.0	mg/L
43	Background	E007	10/22/2024	Chloride, total	66.0	mg/L
43	Background	E007	10/22/2024	Chromium, total	0.0011 J	mg/L
43	Background	E007	10/22/2024	Cobalt, total	0.0004 U	mg/L
43	Background	E007	10/22/2024	Dissolved Oxygen	0.0900	mg/L
43	Background	E007	10/22/2024	Fluoride, total	0.460	mg/L
43	Background	E007	10/22/2024	Lead, total	0.000560	mg/L
43	Background	E007	10/22/2024	Lithium, total	0.00860	mg/L
43	Background	E007	10/22/2024	Mercury, total	0.000076 U	mg/L
43	Background	E007	10/22/2024	Molybdenum, total	0.0025 U	mg/L
43	Background	E007	10/22/2024	Oxidation Reduction Potential	-148	mV
43	Background	E007	10/22/2024	pH (field)	7.3	SU
43	Background	E007	10/22/2024	Radium 226 + Radium 228, total	0.637	pCi/L
43	Background	E007	10/22/2024	Selenium, total	0.00098 U	mg/L
43	Background	E007	10/22/2024	Specific Conductance @ 25C (field)	987	micromhos/cm
43	Background	E007	10/22/2024	Sulfate, total	20.0	mg/L
43	Background	E007	10/22/2024	Temperature	12.6	degrees C
43	Background	E007	10/22/2024	Thallium, total	0.00057 U	mg/L
43	Background	E007	10/22/2024	Total Dissolved Solids	600	mg/L
43	Background	E007	10/22/2024	Turbidity, field	8.45	NTU
101	Background	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
101	Background	E007	10/23/2024	Arsenic, total	0.0580	mg/L
101	Background	E007	10/23/2024	Barium, total	0.130	mg/L
101	Background	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L
101	Background	E007	10/23/2024	Boron, total	2.30	mg/L
101	Background	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
101	Background	E007	10/23/2024	Calcium, total	65.0	mg/L
101	Background	E007	10/23/2024	Chloride, total	11.0	mg/L
101	Background	E007	10/23/2024	Chromium, total	0.0011 U	mg/L
101	Background	E007	10/23/2024	Cobalt, total	0.0004 U	mg/L
101	Background	E007	10/23/2024	Dissolved Oxygen	0.490	mg/L
101	Background	E007	10/23/2024	Fluoride, total	0.810	mg/L
101	Background	E007	10/23/2024	Lead, total	0.0002 J	mg/L
101	Background	E007	10/23/2024	Lithium, total	0.00710	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/23/2024	Mercury, total	0.000076 U	mg/L
101	Background	E007	10/23/2024	Molybdenum, total	0.0025 U	mg/L
101	Background	E007	10/23/2024	Oxidation Reduction Potential	144	mV
101	Background	E007	10/23/2024	pH (field)	7.6	SU
101	Background	E007	10/23/2024	Radium 226 + Radium 228, total	2.12	pCi/L
101	Background	E007	10/23/2024	Selenium, total	0.00098 U	mg/L
101	Background	E007	10/23/2024	Specific Conductance @ 25C (field)	814	micromhos/cm
101	Background	E007	10/23/2024	Sulfate, total	35.0	mg/L
101	Background	E007	10/23/2024	Temperature	13.7	degrees C
101	Background	E007	10/23/2024	Thallium, total	0.00057 U	mg/L
101	Background	E007	10/23/2024	Total Dissolved Solids	540	mg/L
101	Background	E007	10/23/2024	Turbidity, field	320	NTU
103	Background	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
103	Background	E007	10/23/2024	Arsenic, total	0.00098 J	mg/L
103	Background	E007	10/23/2024	Barium, total	0.0180	mg/L
103	Background	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L
103	Background	E007	10/23/2024	Boron, total	0.410	mg/L
103	Background	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
103	Background	E007	10/23/2024	Calcium, total	220	mg/L
103	Background	E007	10/23/2024	Chloride, total	6.00	mg/L
103	Background	E007	10/23/2024	Chromium, total	0.0011 U	mg/L
103	Background	E007	10/23/2024	Cobalt, total	0.00500	mg/L
103	Background	E007	10/23/2024	Dissolved Oxygen	4.84	mg/L
103	Background	E007	10/23/2024	Fluoride, total	0.240	mg/L
103	Background	E007	10/23/2024	Lead, total	0.00019 U	mg/L
103	Background	E007	10/23/2024	Lithium, total	0.0720	mg/L
103	Background	E007	10/23/2024	Mercury, total	0.000076 U	mg/L
103	Background	E007	10/23/2024	Molybdenum, total	0.00640	mg/L
103	Background	E007	10/23/2024	Oxidation Reduction Potential	103	mV
103	Background	E007	10/23/2024	pH (field)	7.1	SU
103	Background	E007	10/23/2024	Radium 226 + Radium 228, total	1.03	pCi/L
103	Background	E007	10/23/2024	Selenium, total	0.00098 U	mg/L
103	Background	E007	10/23/2024	Specific Conductance @ 25C (field)	1,882	micromhos/cm
103	Background	E007	10/23/2024	Sulfate, total	950	mg/L
103	Background	E007	10/23/2024	Temperature	15.0	degrees C
103	Background	E007	10/23/2024	Thallium, total	0.00057 U	mg/L
103	Background	E007	10/23/2024	Total Dissolved Solids	1,900	mg/L
103	Background	E007	10/23/2024	Turbidity, field	7.72	NTU
02	Compliance	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
02	Compliance	E007	10/23/2024	Arsenic, total	0.00900	mg/L
02	Compliance	E007	10/23/2024	Barium, total	0.210	mg/L
02	Compliance	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L
02	Compliance	E007	10/23/2024	Boron, total	0.410	mg/L
02	Compliance	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
02	Compliance	E007	10/23/2024	Calcium, total	90.0	mg/L
02	Compliance	E007	10/23/2024	Chloride, total	45.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/23/2024	Chromium, total	0.00670	mg/L
02	Compliance	E007	10/23/2024	Cobalt, total	0.00066 J	mg/L
02	Compliance	E007	10/23/2024	Dissolved Oxygen	0.100	mg/L
02	Compliance	E007	10/23/2024	Fluoride, total	0.530	mg/L
02	Compliance	E007	10/23/2024	Lead, total	0.00180	mg/L
02	Compliance	E007	10/23/2024	Lithium, total	0.004 J	mg/L
02	Compliance	E007	10/23/2024	Mercury, total	0.000076 U	mg/L
02	Compliance	E007	10/23/2024	Molybdenum, total	0.0025 U	mg/L
02	Compliance	E007	10/23/2024	Oxidation Reduction Potential	-154	mV
02	Compliance	E007	10/23/2024	pH (field)	7.8	SU
02	Compliance	E007	10/23/2024	Radium 226 + Radium 228, total	1.21	pCi/L
02	Compliance	E007	10/23/2024	Selenium, total	0.00098 U	mg/L
02	Compliance	E007	10/23/2024	Specific Conductance @ 25C (field)	832	micromhos/cm
02	Compliance	E007	10/23/2024	Sulfate, total	46.0	mg/L
02	Compliance	E007	10/23/2024	Temperature	15.0	degrees C
02	Compliance	E007	10/23/2024	Thallium, total	0.00057 U	mg/L
02	Compliance	E007	10/23/2024	Total Dissolved Solids	630	mg/L
02	Compliance	E007	10/23/2024	Turbidity, field	57.4	NTU
03R	Compliance	E007	10/22/2024	Antimony, total	0.0013 U	mg/L
03R	Compliance	E007	10/22/2024	Arsenic, total	0.00760 J	mg/L
03R	Compliance	E007	10/22/2024	Barium, total	0.330	mg/L
03R	Compliance	E007	10/22/2024	Beryllium, total	0.00053 U	mg/L
03R	Compliance	E007	10/22/2024	Boron, total	28.0	mg/L
03R	Compliance	E007	10/22/2024	Cadmium, total	0.0005 UJ	mg/L
03R	Compliance	E007	10/22/2024	Calcium, total	190	mg/L
03R	Compliance	E007	10/22/2024	Chloride, total	21.0	mg/L
03R	Compliance	E007	10/22/2024	Chromium, total	0.0025 J	mg/L
03R	Compliance	E007	10/22/2024	Cobalt, total	0.00081 J	mg/L
03R	Compliance	E007	10/22/2024	Dissolved Oxygen	0.130	mg/L
03R	Compliance	E007	10/22/2024	Fluoride, total	0.400	mg/L
03R	Compliance	E007	10/22/2024	Lead, total	0.00140 J	mg/L
03R	Compliance	E007	10/22/2024	Lithium, total	0.00550	mg/L
03R	Compliance	E007	10/22/2024	Mercury, total	0.000076 U	mg/L
03R	Compliance	E007	10/22/2024	Molybdenum, total	0.370	mg/L
03R	Compliance	E007	10/22/2024	Oxidation Reduction Potential	-140	mV
03R	Compliance	E007	10/22/2024	pH (field)	7.4	SU
03R	Compliance	E007	10/22/2024	Radium 226 + Radium 228, total	2.21	pCi/L
03R	Compliance	E007	10/22/2024	Selenium, total	0.00098 U	mg/L
03R	Compliance	E007	10/22/2024	Specific Conductance @ 25C (field)	1,330	micromhos/cm
03R	Compliance	E007	10/22/2024	Sulfate, total	530	mg/L
03R	Compliance	E007	10/22/2024	Temperature	13.6	degrees C
03R	Compliance	E007	10/22/2024	Thallium, total	0.00057 U	mg/L
03R	Compliance	E007	10/22/2024	Total Dissolved Solids	1,200	mg/L
03R	Compliance	E007	10/22/2024	Turbidity, field	16.7	NTU
04	Compliance	E007	10/22/2024	Antimony, total	0.0013 U	mg/L
04	Compliance	E007	10/22/2024	Arsenic, total	0.00570	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/22/2024	Barium, total	0.240	mg/L
04	Compliance	E007	10/22/2024	Beryllium, total	0.00053 U	mg/L
04	Compliance	E007	10/22/2024	Boron, total	9.90	mg/L
04	Compliance	E007	10/22/2024	Cadmium, total	0.00017 U	mg/L
04	Compliance	E007	10/22/2024	Calcium, total	72.0	mg/L
04	Compliance	E007	10/22/2024	Chloride, total	9.40 J+	mg/L
04	Compliance	E007	10/22/2024	Chromium, total	0.0011 U	mg/L
04	Compliance	E007	10/22/2024	Cobalt, total	0.00051 J	mg/L
04	Compliance	E007	10/22/2024	Dissolved Oxygen	0.0800	mg/L
04	Compliance	E007	10/22/2024	Fluoride, total	0.320	mg/L
04	Compliance	E007	10/22/2024	Lead, total	0.00019 U	mg/L
04	Compliance	E007	10/22/2024	Lithium, total	0.0470	mg/L
04	Compliance	E007	10/22/2024	Mercury, total	0.000076 U	mg/L
04	Compliance	E007	10/22/2024	Molybdenum, total	0.0410	mg/L
04	Compliance	E007	10/22/2024	Oxidation Reduction Potential	-164	mV
04	Compliance	E007	10/22/2024	pH (field)	7.6	SU
04	Compliance	E007	10/22/2024	Radium 226 + Radium 228, total	1.44	pCi/L
04	Compliance	E007	10/22/2024	Selenium, total	0.00098 U	mg/L
04	Compliance	E007	10/22/2024	Specific Conductance @ 25C (field)	430	micromhos/cm
04	Compliance	E007	10/22/2024	Sulfate, total	6.20	mg/L
04	Compliance	E007	10/22/2024	Temperature	15.7	degrees C
04	Compliance	E007	10/22/2024	Thallium, total	0.00057 U	mg/L
04	Compliance	E007	10/22/2024	Total Dissolved Solids	370	mg/L
04	Compliance	E007	10/22/2024	Turbidity, field	0.790	NTU
05	Compliance	E007	10/22/2024	Antimony, total	0.0013 U	mg/L
05	Compliance	E007	10/22/2024	Arsenic, total	0.00032 J	mg/L
05	Compliance	E007	10/22/2024	Barium, total	0.0310	mg/L
05	Compliance	E007	10/22/2024	Beryllium, total	0.00053 U	mg/L
05	Compliance	E007	10/22/2024	Boron, total	15.0	mg/L
05	Compliance	E007	10/22/2024	Cadmium, total	0.00017 U	mg/L
05	Compliance	E007	10/22/2024	Calcium, total	130	mg/L
05	Compliance	E007	10/22/2024	Chloride, total	6.40 J+	mg/L
05	Compliance	E007	10/22/2024	Chromium, total	0.0011 U	mg/L
05	Compliance	E007	10/22/2024	Cobalt, total	0.00083 J	mg/L
05	Compliance	E007	10/22/2024	Dissolved Oxygen	0.110	mg/L
05	Compliance	E007	10/22/2024	Fluoride, total	0.620	mg/L
05	Compliance	E007	10/22/2024	Lead, total	0.00019 U	mg/L
05	Compliance	E007	10/22/2024	Lithium, total	0.0910	mg/L
05	Compliance	E007	10/22/2024	Mercury, total	0.000076 U	mg/L
05	Compliance	E007	10/22/2024	Molybdenum, total	0.0490	mg/L
05	Compliance	E007	10/22/2024	Oxidation Reduction Potential	-3.50	mV
05	Compliance	E007	10/22/2024	pH (field)	7.4	SU
05	Compliance	E007	10/22/2024	Radium 226 + Radium 228, total	1.03	pCi/L
05	Compliance	E007	10/22/2024	Selenium, total	0.00098 U	mg/L
05	Compliance	E007	10/22/2024	Specific Conductance @ 25C (field)	738	micromhos/cm
05	Compliance	E007	10/22/2024	Sulfate, total	220	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/22/2024	Temperature	15.1	degrees C
05	Compliance	E007	10/22/2024	Thallium, total	0.00057 U	mg/L
05	Compliance	E007	10/22/2024	Total Dissolved Solids	640	mg/L
05	Compliance	E007	10/22/2024	Turbidity, field	1.15	NTU
07R	Compliance	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
07R	Compliance	E007	10/23/2024	Arsenic, total	0.0200	mg/L
07R	Compliance	E007	10/23/2024	Barium, total	0.0240	mg/L
07R	Compliance	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L
07R	Compliance	E007	10/23/2024	Boron, total	51.0	mg/L
07R	Compliance	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
07R	Compliance	E007	10/23/2024	Calcium, total	740	mg/L
07R	Compliance	E007	10/23/2024	Chloride, total	4.30	mg/L
07R	Compliance	E007	10/23/2024	Chromium, total	0.0011 U	mg/L
07R	Compliance	E007	10/23/2024	Cobalt, total	0.00072 J	mg/L
07R	Compliance	E007	10/23/2024	Dissolved Oxygen	0.730	mg/L
07R	Compliance	E007	10/23/2024	Fluoride, total	0.092 J	mg/L
07R	Compliance	E007	10/23/2024	Lead, total	0.00019 U	mg/L
07R	Compliance	E007	10/23/2024	Lithium, total	0.640	mg/L
07R	Compliance	E007	10/23/2024	Mercury, total	0.000076 U	mg/L
07R	Compliance	E007	10/23/2024	Molybdenum, total	0.250	mg/L
07R	Compliance	E007	10/23/2024	Oxidation Reduction Potential	-78.9	mV
07R	Compliance	E007	10/23/2024	pH (field)	7.2	SU
07R	Compliance	E007	10/23/2024	Radium 226 + Radium 228, total	1.88	pCi/L
07R	Compliance	E007	10/23/2024	Selenium, total	0.0049 U	mg/L
07R	Compliance	E007	10/23/2024	Specific Conductance @ 25C (field)	2,577	micromhos/cm
07R	Compliance	E007	10/23/2024	Sulfate, total	1,700	mg/L
07R	Compliance	E007	10/23/2024	Temperature	16.5	degrees C
07R	Compliance	E007	10/23/2024	Thallium, total	0.00057 U	mg/L
07R	Compliance	E007	10/23/2024	Total Dissolved Solids	3,200	mg/L
07R	Compliance	E007	10/23/2024	Turbidity, field	3.18	NTU
08R	Compliance	E007	--	Antimony, total	NS ⁷	mg/L
08R	Compliance	E007	--	Arsenic, total	NS ⁷	mg/L
08R	Compliance	E007	--	Barium, total	NS ⁷	mg/L
08R	Compliance	E007	--	Beryllium, total	NS ⁷	mg/L
08R	Compliance	E007	--	Boron, total	NS ⁷	mg/L
08R	Compliance	E007	--	Cadmium, total	NS ⁷	mg/L
08R	Compliance	E007	--	Calcium, total	NS ⁷	mg/L
08R	Compliance	E007	--	Chloride, total	NS ⁷	mg/L
08R	Compliance	E007	--	Chromium, total	NS ⁷	mg/L
08R	Compliance	E007	--	Cobalt, total	NS ⁷	mg/L
08R	Compliance	E007	--	Dissolved Oxygen	NS ⁷	mg/L
08R	Compliance	E007	--	Fluoride, total	NS ⁷	mg/L
08R	Compliance	E007	--	Lead, total	NS ⁷	mg/L
08R	Compliance	E007	--	Lithium, total	NS ⁷	mg/L
08R	Compliance	E007	--	Mercury, total	NS ⁷	mg/L
08R	Compliance	E007	--	Molybdenum, total	NS ⁷	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	--	Oxidation Reduction Potential	NS ⁷	mV
08R	Compliance	E007	--	pH (field)	NS ⁷	SU
08R	Compliance	E007	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
08R	Compliance	E007	--	Selenium, total	NS ⁷	mg/L
08R	Compliance	E007	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
08R	Compliance	E007	--	Sulfate, total	NS ⁷	mg/L
08R	Compliance	E007	--	Temperature	NS ⁷	degrees C
08R	Compliance	E007	--	Thallium, total	NS ⁷	mg/L
08R	Compliance	E007	--	Total Dissolved Solids	NS ⁷	mg/L
08R	Compliance	E007	--	Turbidity, field	NS ⁷	NTU
17	Compliance	E007	--	Antimony, total	NS ⁷	mg/L
17	Compliance	E007	--	Arsenic, total	NS ⁷	mg/L
17	Compliance	E007	--	Barium, total	NS ⁷	mg/L
17	Compliance	E007	--	Beryllium, total	NS ⁷	mg/L
17	Compliance	E007	--	Boron, total	NS ⁷	mg/L
17	Compliance	E007	--	Cadmium, total	NS ⁷	mg/L
17	Compliance	E007	--	Calcium, total	NS ⁷	mg/L
17	Compliance	E007	--	Chloride, total	NS ⁷	mg/L
17	Compliance	E007	--	Chromium, total	NS ⁷	mg/L
17	Compliance	E007	--	Cobalt, total	NS ⁷	mg/L
17	Compliance	E007	--	Dissolved Oxygen	NS ⁷	mg/L
17	Compliance	E007	--	Fluoride, total	NS ⁷	mg/L
17	Compliance	E007	--	Lead, total	NS ⁷	mg/L
17	Compliance	E007	--	Lithium, total	NS ⁷	mg/L
17	Compliance	E007	--	Mercury, total	NS ⁷	mg/L
17	Compliance	E007	--	Molybdenum, total	NS ⁷	mg/L
17	Compliance	E007	--	Oxidation Reduction Potential	NS ⁷	mV
17	Compliance	E007	--	pH (field)	NS ⁷	SU
17	Compliance	E007	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
17	Compliance	E007	--	Selenium, total	NS ⁷	mg/L
17	Compliance	E007	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
17	Compliance	E007	--	Sulfate, total	NS ⁷	mg/L
17	Compliance	E007	--	Temperature	NS ⁷	degrees C
17	Compliance	E007	--	Thallium, total	NS ⁷	mg/L
17	Compliance	E007	--	Total Dissolved Solids	NS ⁷	mg/L
17	Compliance	E007	--	Turbidity, field	NS ⁷	NTU
20	Compliance	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
20	Compliance	E007	10/23/2024	Arsenic, total	0.00170	mg/L
20	Compliance	E007	10/23/2024	Barium, total	0.0230	mg/L
20	Compliance	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L
20	Compliance	E007	10/23/2024	Boron, total	2.20	mg/L
20	Compliance	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
20	Compliance	E007	10/23/2024	Calcium, total	99.0	mg/L
20	Compliance	E007	10/23/2024	Chloride, total	4.30	mg/L
20	Compliance	E007	10/23/2024	Chromium, total	0.0011 U	mg/L
20	Compliance	E007	10/23/2024	Cobalt, total	0.00045 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/23/2024	Dissolved Oxygen	0.120	mg/L
20	Compliance	E007	10/23/2024	Fluoride, total	0.084 J	mg/L
20	Compliance	E007	10/23/2024	Lead, total	0.00019 U	mg/L
20	Compliance	E007	10/23/2024	Lithium, total	0.0260	mg/L
20	Compliance	E007	10/23/2024	Mercury, total	0.000076 U	mg/L
20	Compliance	E007	10/23/2024	Molybdenum, total	0.0025 U	mg/L
20	Compliance	E007	10/23/2024	Oxidation Reduction Potential	-25.8	mV
20	Compliance	E007	10/23/2024	pH (field)	7.1	SU
20	Compliance	E007	10/23/2024	Radium 226 + Radium 228, total	0.0945	pCi/L
20	Compliance	E007	10/23/2024	Selenium, total	0.00098 U	mg/L
20	Compliance	E007	10/23/2024	Specific Conductance @ 25C (field)	626	micromhos/cm
20	Compliance	E007	10/23/2024	Sulfate, total	93.0	mg/L
20	Compliance	E007	10/23/2024	Temperature	14.1	degrees C
20	Compliance	E007	10/23/2024	Thallium, total	0.00057 U	mg/L
20	Compliance	E007	10/23/2024	Total Dissolved Solids	480	mg/L
20	Compliance	E007	10/23/2024	Turbidity, field	7.62	NTU
34	Compliance	E007	10/24/2024	Antimony, total	0.0013 U	mg/L
34	Compliance	E007	10/24/2024	Arsenic, total	0.0280	mg/L
34	Compliance	E007	10/24/2024	Barium, total	0.180	mg/L
34	Compliance	E007	10/24/2024	Beryllium, total	0.00053 U	mg/L
34	Compliance	E007	10/24/2024	Boron, total	0.570	mg/L
34	Compliance	E007	10/24/2024	Cadmium, total	0.00017 U	mg/L
34	Compliance	E007	10/24/2024	Calcium, total	71.0	mg/L
34	Compliance	E007	10/24/2024	Chloride, total	31.0	mg/L
34	Compliance	E007	10/24/2024	Chromium, total	0.00510	mg/L
34	Compliance	E007	10/24/2024	Cobalt, total	0.00120	mg/L
34	Compliance	E007	10/24/2024	Dissolved Oxygen	0.710	mg/L
34	Compliance	E007	10/24/2024	Fluoride, total	0.620	mg/L
34	Compliance	E007	10/24/2024	Lead, total	0.00250	mg/L
34	Compliance	E007	10/24/2024	Lithium, total	0.00530	mg/L
34	Compliance	E007	10/24/2024	Mercury, total	0.000076 U	mg/L
34	Compliance	E007	10/24/2024	Molybdenum, total	0.0025 U	mg/L
34	Compliance	E007	10/24/2024	Oxidation Reduction Potential	-127	mV
34	Compliance	E007	10/24/2024	pH (field)	7.2	SU
34	Compliance	E007	10/24/2024	Radium 226 + Radium 228, total	0.741	pCi/L
34	Compliance	E007	10/24/2024	Selenium, total	0.00098 U	mg/L
34	Compliance	E007	10/24/2024	Specific Conductance @ 25C (field)	814	micromhos/cm
34	Compliance	E007	10/24/2024	Sulfate, total	0.21 U	mg/L
34	Compliance	E007	10/24/2024	Temperature	11.9	degrees C
34	Compliance	E007	10/24/2024	Thallium, total	0.00057 U	mg/L
34	Compliance	E007	10/24/2024	Total Dissolved Solids	520	mg/L
34	Compliance	E007	10/24/2024	Turbidity, field	31.4	NTU
36	Compliance	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
36	Compliance	E007	10/23/2024	Arsenic, total	0.0041 J	mg/L
36	Compliance	E007	10/23/2024	Barium, total	0.0700	mg/L
36	Compliance	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/23/2024	Boron, total	16.0	mg/L
36	Compliance	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
36	Compliance	E007	10/23/2024	Calcium, total	430	mg/L
36	Compliance	E007	10/23/2024	Chloride, total	13.0	mg/L
36	Compliance	E007	10/23/2024	Chromium, total	0.0011 U	mg/L
36	Compliance	E007	10/23/2024	Cobalt, total	0.00063 J	mg/L
36	Compliance	E007	10/23/2024	Dissolved Oxygen	0.120	mg/L
36	Compliance	E007	10/23/2024	Fluoride, total	0.190	mg/L
36	Compliance	E007	10/23/2024	Lead, total	0.00093 U	mg/L
36	Compliance	E007	10/23/2024	Lithium, total	0.210	mg/L
36	Compliance	E007	10/23/2024	Mercury, total	0.000076 U	mg/L
36	Compliance	E007	10/23/2024	Molybdenum, total	0.120	mg/L
36	Compliance	E007	10/23/2024	Oxidation Reduction Potential	-117	mV
36	Compliance	E007	10/23/2024	pH (field)	7.2	SU
36	Compliance	E007	10/23/2024	Radium 226 + Radium 228, total	0.887	pCi/L
36	Compliance	E007	10/23/2024	Selenium, total	0.0049 U	mg/L
36	Compliance	E007	10/23/2024	Specific Conductance @ 25C (field)	1,759	micromhos/cm
36	Compliance	E007	10/23/2024	Sulfate, total	1,100	mg/L
36	Compliance	E007	10/23/2024	Temperature	14.7	degrees C
36	Compliance	E007	10/23/2024	Thallium, total	0.0029 U	mg/L
36	Compliance	E007	10/23/2024	Total Dissolved Solids	2,000	mg/L
36	Compliance	E007	10/23/2024	Turbidity, field	7.32	NTU
37	Compliance	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
37	Compliance	E007	10/23/2024	Arsenic, total	0.0400	mg/L
37	Compliance	E007	10/23/2024	Barium, total	0.350	mg/L
37	Compliance	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L
37	Compliance	E007	10/23/2024	Boron, total	2.10	mg/L
37	Compliance	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
37	Compliance	E007	10/23/2024	Calcium, total	130	mg/L
37	Compliance	E007	10/23/2024	Chloride, total	40.0	mg/L
37	Compliance	E007	10/23/2024	Chromium, total	0.0011 U	mg/L
37	Compliance	E007	10/23/2024	Cobalt, total	0.0004 U	mg/L
37	Compliance	E007	10/23/2024	Dissolved Oxygen	0.0300	mg/L
37	Compliance	E007	10/23/2024	Fluoride, total	0.540	mg/L
37	Compliance	E007	10/23/2024	Lead, total	0.00019 U	mg/L
37	Compliance	E007	10/23/2024	Lithium, total	0.0023 J	mg/L
37	Compliance	E007	10/23/2024	Mercury, total	0.000076 U	mg/L
37	Compliance	E007	10/23/2024	Molybdenum, total	0.0025 U	mg/L
37	Compliance	E007	10/23/2024	Oxidation Reduction Potential	-146	mV
37	Compliance	E007	10/23/2024	pH (field)	7.1	SU
37	Compliance	E007	10/23/2024	Radium 226 + Radium 228, total	1.48	pCi/L
37	Compliance	E007	10/23/2024	Selenium, total	0.001 J	mg/L
37	Compliance	E007	10/23/2024	Specific Conductance @ 25C (field)	1,205	micromhos/cm
37	Compliance	E007	10/23/2024	Sulfate, total	290	mg/L
37	Compliance	E007	10/23/2024	Temperature	14.1	degrees C
37	Compliance	E007	10/23/2024	Thallium, total	0.00057 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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	E007	10/23/2024	Total Dissolved Solids	900	mg/L
37	Compliance	E007	10/23/2024	Turbidity, field	50.7	NTU
38	Compliance	E007	10/23/2024	Antimony, total	0.0013 U	mg/L
38	Compliance	E007	10/23/2024	Arsenic, total	0.0340	mg/L
38	Compliance	E007	10/23/2024	Barium, total	0.210	mg/L
38	Compliance	E007	10/23/2024	Beryllium, total	0.00053 U	mg/L
38	Compliance	E007	10/23/2024	Boron, total	0.530	mg/L
38	Compliance	E007	10/23/2024	Cadmium, total	0.00017 U	mg/L
38	Compliance	E007	10/23/2024	Calcium, total	74.0	mg/L
38	Compliance	E007	10/23/2024	Chloride, total	15.0	mg/L
38	Compliance	E007	10/23/2024	Chromium, total	0.0011 U	mg/L
38	Compliance	E007	10/23/2024	Cobalt, total	0.0004 U	mg/L
38	Compliance	E007	10/23/2024	Dissolved Oxygen	0.370	mg/L
38	Compliance	E007	10/23/2024	Fluoride, total	0.360	mg/L
38	Compliance	E007	10/23/2024	Lead, total	0.00019 U	mg/L
38	Compliance	E007	10/23/2024	Lithium, total	0.002 U	mg/L
38	Compliance	E007	10/23/2024	Mercury, total	0.000076 U	mg/L
38	Compliance	E007	10/23/2024	Molybdenum, total	0.0025 U	mg/L
38	Compliance	E007	10/23/2024	Oxidation Reduction Potential	140	mV
38	Compliance	E007	10/23/2024	pH (field)	7.2	SU
38	Compliance	E007	10/23/2024	Radium 226 + Radium 228, total	1.56	pCi/L
38	Compliance	E007	10/23/2024	Selenium, total	0.00098 U	mg/L
38	Compliance	E007	10/23/2024	Specific Conductance @ 25C (field)	909	micromhos/cm
38	Compliance	E007	10/23/2024	Sulfate, total	0.23 J	mg/L
38	Compliance	E007	10/23/2024	Temperature	13.7	degrees C
38	Compliance	E007	10/23/2024	Thallium, total	0.00057 U	mg/L
38	Compliance	E007	10/23/2024	Total Dissolved Solids	570	mg/L
38	Compliance	E007	10/23/2024	Turbidity, field	151	NTU
41	Compliance	E007	10/24/2024	Antimony, total	0.0013 U	mg/L
41	Compliance	E007	10/24/2024	Arsenic, total	0.0120	mg/L
41	Compliance	E007	10/24/2024	Barium, total	0.230	mg/L
41	Compliance	E007	10/24/2024	Beryllium, total	0.00053 U	mg/L
41	Compliance	E007	10/24/2024	Boron, total	3.00	mg/L
41	Compliance	E007	10/24/2024	Cadmium, total	0.00017 U	mg/L
41	Compliance	E007	10/24/2024	Calcium, total	85.0	mg/L
41	Compliance	E007	10/24/2024	Chloride, total	50.0	mg/L
41	Compliance	E007	10/24/2024	Chromium, total	0.0013 J	mg/L
41	Compliance	E007	10/24/2024	Cobalt, total	0.0004 U	mg/L
41	Compliance	E007	10/24/2024	Dissolved Oxygen	0.0500	mg/L
41	Compliance	E007	10/24/2024	Fluoride, total	0.420	mg/L
41	Compliance	E007	10/24/2024	Lead, total	0.00022 J	mg/L
41	Compliance	E007	10/24/2024	Lithium, total	0.002 U	mg/L
41	Compliance	E007	10/24/2024	Mercury, total	0.000076 U	mg/L
41	Compliance	E007	10/24/2024	Molybdenum, total	0.0025 U	mg/L
41	Compliance	E007	10/24/2024	Oxidation Reduction Potential	-136	mV
41	Compliance	E007	10/24/2024	pH (field)	7.2	SU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 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
41	Compliance	E007	10/24/2024	Radium 226 + Radium 228, total	1.4	pCi/L
41	Compliance	E007	10/24/2024	Selenium, total	0.00098 U	mg/L
41	Compliance	E007	10/24/2024	Specific Conductance @ 25C (field)	1,009	micromhos/cm
41	Compliance	E007	10/24/2024	Sulfate, total	0.21 U	mg/L
41	Compliance	E007	10/24/2024	Temperature	12.8	degrees C
41	Compliance	E007	10/24/2024	Thallium, total	0.00057 U	mg/L
41	Compliance	E007	10/24/2024	Total Dissolved Solids	680	mg/L
41	Compliance	E007	10/24/2024	Turbidity, field	4.49	NTU

Notes:

C = Celsius
cm = centimeter
Events:

E007 = Quarter 4, 2024 sampling event

mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):

NR¹ = Parameter not analyzed.
NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS³ = The location was not accessible; therefore, a sample was not collected.
NS⁴ = The location could not be found; therefore, a sample was not collected.
NS⁵ = The location was damaged; therefore, a sample was not collected.
NS⁶ = Sampling pump could not yield a sample.
NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS⁸ = A sample was not collected.
PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

Result qualifiers as defined in the United States Environmental Protection Agency’s *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:

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.
SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Antimony, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
02	LGU	E007	Arsenic, total	mg/L	03/31/21 - 10/23/24	14	7	CI around mean	0.00596	0.0600	Background	No Exceedance
02	LGU	E007	Barium, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.197	2.0	Standard	No Exceedance
02	LGU	E007	Beryllium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
02	LGU	E007	Boron, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.311	2.45	Background	No Exceedance
02	LGU	E007	Cadmium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
02	LGU	E007	Chloride, total	mg/L	03/31/21 - 10/23/24	14	0	CI around median	35	200	Standard	No Exceedance
02	LGU	E007	Chromium, total	mg/L	03/31/21 - 10/23/24	14	93	CB around T-S line	0.0015	0.1	Standard	No Exceedance
02	LGU	E007	Cobalt, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
02	LGU	E007	Fluoride, total	mg/L	03/31/21 - 10/23/24	14	7	CB around linear reg	0.511	4.0	Standard	No Exceedance
02	LGU	E007	Lead, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.0005	0.0075	Standard	No Exceedance
02	LGU	E007	Lithium, total	mg/L	03/31/21 - 10/23/24	14	57	CI around median	0.0034	0.04	Standard	No Exceedance
02	LGU	E007	Mercury, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
02	LGU	E007	Molybdenum, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.005	0.1	Standard	No Exceedance
02	LGU	E007	pH (field)	SU	03/31/21 - 10/23/24	14	0	CI around mean	7.4/7.8	6.5/9.0	Standard/Standard	No Exceedance
02	LGU	E007	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 10/23/24	13	0	CI around mean	0.548	5	Standard	No Exceedance
02	LGU	E007	Selenium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
02	LGU	E007	Sulfate, total	mg/L	03/31/21 - 10/23/24	14	0	CB around linear reg	-20.9	400	Standard	No Exceedance
02	LGU	E007	Thallium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
02	LGU	E007	Total Dissolved Solids	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	566	1,200	Standard	No Exceedance
03R	LGU	E007	Antimony, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
03R	LGU	E007	Arsenic, total	mg/L	03/30/21 - 10/22/24	15	0	CI around geomean	0.00523	0.0600	Background	No Exceedance
03R	LGU	E007	Barium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.293	2.0	Standard	No Exceedance
03R	LGU	E007	Beryllium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
03R	LGU	E007	Boron, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	27.4	2.45	Background	Exceedance
03R	LGU	E007	Cadmium, total	mg/L	03/30/21 - 10/22/24	15	80	CI around median	0.0005	0.005	Standard	No Exceedance
03R	LGU	E007	Chloride, total	mg/L	03/30/21 - 10/22/24	15	2	CB around linear reg	20.2	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Chromium, total	mg/L	03/30/21 - 10/22/24	15	87	CB around T-S line	0.0015	0.1	Standard	No Exceedance
03R	LGU	E007	Cobalt, total	mg/L	03/30/21 - 10/22/24	15	87	CI around median	0.001	0.006	Standard	No Exceedance
03R	LGU	E007	Fluoride, total	mg/L	03/30/21 - 10/22/24	15	7	CI around mean	0.437	4.0	Standard	No Exceedance
03R	LGU	E007	Lead, total	mg/L	03/30/21 - 10/22/24	15	53	CI around median	0.001	0.0075	Standard	No Exceedance
03R	LGU	E007	Lithium, total	mg/L	03/30/21 - 10/22/24	15	80	CB around T-S line	0.003	0.04	Standard	No Exceedance
03R	LGU	E007	Mercury, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
03R	LGU	E007	Molybdenum, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	0.342	0.1	Standard	Exceedance
03R	LGU	E007	pH (field)	SU	03/30/21 - 10/22/24	15	0	CI around mean	7.2/7.4	6.5/9.0	Standard/Standard	No Exceedance
03R	LGU	E007	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 10/22/24	13	0	CI around mean	1.13	5	Standard	No Exceedance
03R	LGU	E007	Selenium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
03R	LGU	E007	Sulfate, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	494	400	Standard	Exceedance
03R	LGU	E007	Thallium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
03R	LGU	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	1,110	1,200	Standard	No Exceedance
04	UA	E007	Antimony, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
04	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/22/24	15	7	CI around geomean	0.00552	0.0600	Background	No Exceedance
04	UA	E007	Barium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.224	2.0	Standard	No Exceedance
04	UA	E007	Beryllium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
04	UA	E007	Boron, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	8.56	2.45	Background	Exceedance
04	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
04	UA	E007	Chloride, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	10.1	200	Standard	No Exceedance
04	UA	E007	Chromium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.005	0.1	Standard	No Exceedance
04	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/22/24	15	93	Most recent sample	0.001	0.006	Standard	No Exceedance
04	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/22/24	15	7	CI around median	0.3	4.0	Standard	No Exceedance
04	UA	E007	Lead, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
04	UA	E007	Lithium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.0464	0.04	Standard	Exceedance
04	UA	E007	Mercury, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
04	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	0.0347	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	pH (field)	SU	03/30/21 - 10/22/24	15	0	CI around mean	7.4/7.6	6.5/9.0	Standard/Standard	No Exceedance
04	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 10/22/24	13	0	CI around mean	0.791	5	Standard	No Exceedance
04	UA	E007	Selenium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
04	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	-10.6	400	Standard	No Exceedance
04	UA	E007	Thallium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
04	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	367	1,200	Standard	No Exceedance
05	UA	E007	Antimony, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
05	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.001	0.0600	Background	No Exceedance
05	UA	E007	Barium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.0227	2.0	Standard	No Exceedance
05	UA	E007	Beryllium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
05	UA	E007	Boron, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	17.6	2.45	Background	Exceedance
05	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
05	UA	E007	Chloride, total	mg/L	03/30/21 - 10/22/24	15	2	CB around linear reg	5.13	200	Standard	No Exceedance
05	UA	E007	Chromium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.005	0.1	Standard	No Exceedance
05	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/22/24	15	87	CI around median	0.001	0.006	Standard	No Exceedance
05	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/22/24	15	7	CB around linear reg	0.575	4.0	Standard	No Exceedance
05	UA	E007	Lead, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
05	UA	E007	Lithium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.0869	0.04	Standard	Exceedance
05	UA	E007	Mercury, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
05	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	0.0425	0.1	Standard	No Exceedance
05	UA	E007	pH (field)	SU	03/30/21 - 10/22/24	15	0	CB around linear reg	7.4/7.7	6.5/9.0	Standard/Standard	No Exceedance
05	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 10/22/24	13	0	CI around mean	0.121	5	Standard	No Exceedance
05	UA	E007	Selenium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
05	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/22/24	15	0	CI around median	220	400	Standard	No Exceedance
05	UA	E007	Thallium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
05	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	538	1,200	Standard	No Exceedance
07R	UA	E007	Antimony, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Arsenic, total	mg/L	05/12/21 - 10/23/24	10	10	CI around geomean	0.00114	0.0600	Background	No Exceedance
07R	UA	E007	Barium, total	mg/L	05/12/21 - 10/23/24	10	0	CI around median	0.0176	2.0	Standard	No Exceedance
07R	UA	E007	Beryllium, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.001	0.004	Standard	No Exceedance
07R	UA	E007	Boron, total	mg/L	05/12/21 - 10/23/24	10	0	CB around linear reg	37.2	2.45	Background	Exceedance
07R	UA	E007	Cadmium, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.0005	0.005	Standard	No Exceedance
07R	UA	E007	Chloride, total	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	4.35	200	Standard	No Exceedance
07R	UA	E007	Chromium, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.0015	0.1	Standard	No Exceedance
07R	UA	E007	Cobalt, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.001	0.006	Standard	No Exceedance
07R	UA	E007	Fluoride, total	mg/L	05/12/21 - 10/23/24	10	20	CI around mean	0.101	4.0	Standard	No Exceedance
07R	UA	E007	Lead, total	mg/L	05/12/21 - 10/23/24	10	70	CI around median	0.0005	0.0075	Standard	No Exceedance
07R	UA	E007	Lithium, total	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	0.546	0.04	Standard	Exceedance
07R	UA	E007	Mercury, total	mg/L	05/12/21 - 10/23/24	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
07R	UA	E007	Molybdenum, total	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	0.344	0.1	Standard	Exceedance
07R	UA	E007	pH (field)	SU	05/12/21 - 10/23/24	10	0	CI around mean	7.3/7.7	6.5/9.0	Standard/Standard	No Exceedance
07R	UA	E007	Radium 226 + Radium 228, total	pCi/L	05/12/21 - 10/23/24	10	0	CI around geomean	0.266	5	Standard	No Exceedance
07R	UA	E007	Selenium, total	mg/L	05/12/21 - 10/23/24	10	30	CI around mean	0.0018	0.05	Standard	No Exceedance
07R	UA	E007	Sulfate, total	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	1,760	400	Standard	Exceedance
07R	UA	E007	Thallium, total	mg/L	05/12/21 - 10/23/24	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
07R	UA	E007	Total Dissolved Solids	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	2,870	1,200	Standard	Exceedance
08R	UA	E007	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
08R	UA	E007	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.0600	Background	--
08R	UA	E007	Barium, total	mg/L	--	--	--	--	NS ⁷	2.0	Standard	--
08R	UA	E007	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.004	Standard	--
08R	UA	E007	Boron, total	mg/L	--	--	--	--	NS ⁷	2.45	Background	--
08R	UA	E007	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.005	Standard	--
08R	UA	E007	Chloride, total	mg/L	--	--	--	--	NS ⁷	200	Standard	--
08R	UA	E007	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
08R	UA	E007	Fluoride, total	mg/L	--	--	--	--	NS ⁷	4.0	Standard	--
08R	UA	E007	Lead, total	mg/L	--	--	--	--	NS ⁷	0.0075	Standard	--
08R	UA	E007	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.04	Standard	--
08R	UA	E007	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
08R	UA	E007	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
08R	UA	E007	pH (field)	SU	--	--	--	--	NS ⁷	6.5/9.0	Standard/Standard	--
08R	UA	E007	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	5	Standard	--
08R	UA	E007	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.05	Standard	--
08R	UA	E007	Sulfate, total	mg/L	--	--	--	--	NS ⁷	400	Standard	--
08R	UA	E007	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
08R	UA	E007	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,200	Standard	--
17	UA	E007	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
17	UA	E007	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.0600	Background	--
17	UA	E007	Barium, total	mg/L	--	--	--	--	NS ⁷	2.0	Standard	--
17	UA	E007	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.004	Standard	--
17	UA	E007	Boron, total	mg/L	--	--	--	--	NS ⁷	2.45	Background	--
17	UA	E007	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.005	Standard	--
17	UA	E007	Chloride, total	mg/L	--	--	--	--	NS ⁷	200	Standard	--
17	UA	E007	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
17	UA	E007	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
17	UA	E007	Fluoride, total	mg/L	--	--	--	--	NS ⁷	4.0	Standard	--
17	UA	E007	Lead, total	mg/L	--	--	--	--	NS ⁷	0.0075	Standard	--
17	UA	E007	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.04	Standard	--
17	UA	E007	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
17	UA	E007	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
17	UA	E007	pH (field)	SU	--	--	--	--	NS ⁷	6.5/9.0	Standard/Standard	--

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	5	Standard	--
17	UA	E007	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.05	Standard	--
17	UA	E007	Sulfate, total	mg/L	--	--	--	--	NS ⁷	400	Standard	--
17	UA	E007	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
17	UA	E007	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,200	Standard	--
20	UA	E007	Antimony, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
20	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/23/24	15	60	CI around median	0.001	0.0600	Background	No Exceedance
20	UA	E007	Barium, total	mg/L	03/30/21 - 10/23/24	15	0	CI around mean	0.0183	2.0	Standard	No Exceedance
20	UA	E007	Beryllium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
20	UA	E007	Boron, total	mg/L	03/30/21 - 10/23/24	15	0	CB around linear reg	1.67	2.45	Background	No Exceedance
20	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
20	UA	E007	Chloride, total	mg/L	03/30/21 - 10/23/24	15	14	CI around geomean	3.88	200	Standard	No Exceedance
20	UA	E007	Chromium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.005	0.1	Standard	No Exceedance
20	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/23/24	15	87	CI around median	0.001	0.006	Standard	No Exceedance
20	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.1	4.0	Standard	No Exceedance
20	UA	E007	Lead, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
20	UA	E007	Lithium, total	mg/L	03/30/21 - 10/23/24	15	0	CI around geomean	0.0209	0.04	Standard	No Exceedance
20	UA	E007	Mercury, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
20	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/23/24	15	93	CB around T-S line	0.0015	0.1	Standard	No Exceedance
20	UA	E007	pH (field)	SU	03/30/21 - 10/23/24	15	0	CI around median	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
20	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 10/23/24	13	0	CI around mean	0.399	5	Standard	No Exceedance
20	UA	E007	Selenium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
20	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/23/24	15	0	CI around geomean	76.7	400	Standard	No Exceedance
20	UA	E007	Thallium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
20	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/23/24	15	0	CI around mean	412	1,200	Standard	No Exceedance
34	LGU	E007	Antimony, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
34	LGU	E007	Arsenic, total	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	0.0246	0.0600	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Barium, total	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	0.155	2.0	Standard	No Exceedance
34	LGU	E007	Beryllium, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
34	LGU	E007	Boron, total	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	0.48	2.45	Background	No Exceedance
34	LGU	E007	Cadmium, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
34	LGU	E007	Chloride, total	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	32.7	200	Standard	No Exceedance
34	LGU	E007	Chromium, total	mg/L	03/30/21 - 10/24/24	14	43	CI around mean	0.00208	0.1	Standard	No Exceedance
34	LGU	E007	Cobalt, total	mg/L	03/30/21 - 10/24/24	14	50	CI around median	0.001	0.006	Standard	No Exceedance
34	LGU	E007	Fluoride, total	mg/L	03/30/21 - 10/24/24	14	7	CI around median	0.62	4.0	Standard	No Exceedance
34	LGU	E007	Lead, total	mg/L	03/30/21 - 10/24/24	14	14	CI around mean	0.00136	0.0075	Standard	No Exceedance
34	LGU	E007	Lithium, total	mg/L	03/30/21 - 10/24/24	14	43	CI around mean	0.00338	0.04	Standard	No Exceedance
34	LGU	E007	Mercury, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
34	LGU	E007	Molybdenum, total	mg/L	03/30/21 - 10/24/24	14	93	CI around median	0.0015	0.1	Standard	No Exceedance
34	LGU	E007	pH (field)	SU	03/30/21 - 10/24/24	14	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
34	LGU	E007	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 10/24/24	12	0	CI around mean	0.497	5	Standard	No Exceedance
34	LGU	E007	Selenium, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
34	LGU	E007	Sulfate, total	mg/L	03/30/21 - 10/24/24	14	89	CB around T-S line	-2.75	400	Standard	No Exceedance
34	LGU	E007	Thallium, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
34	LGU	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	481	1,200	Standard	No Exceedance
36	UA	E007	Antimony, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
36	UA	E007	Arsenic, total	mg/L	03/31/21 - 10/23/24	14	14	CB around linear reg	0.00219	0.0600	Background	No Exceedance
36	UA	E007	Barium, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.0929	2.0	Standard	No Exceedance
36	UA	E007	Beryllium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
36	UA	E007	Boron, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	12.2	2.45	Background	Exceedance
36	UA	E007	Cadmium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
36	UA	E007	Chloride, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	16.5	200	Standard	No Exceedance
36	UA	E007	Chromium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.005	0.1	Standard	No Exceedance
36	UA	E007	Cobalt, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Fluoride, total	mg/L	03/31/21 - 10/23/24	14	7	CI around median	0.25	4.0	Standard	No Exceedance
36	UA	E007	Lead, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.0005	0.0075	Standard	No Exceedance
36	UA	E007	Lithium, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.148	0.04	Standard	Exceedance
36	UA	E007	Mercury, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
36	UA	E007	Molybdenum, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.116	0.1	Standard	Exceedance
36	UA	E007	pH (field)	SU	03/31/21 - 10/23/24	14	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
36	UA	E007	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 10/23/24	13	0	CI around mean	1	5	Standard	No Exceedance
36	UA	E007	Selenium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.013	0.05	Standard	No Exceedance
36	UA	E007	Sulfate, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	969	400	Standard	Exceedance
36	UA	E007	Thallium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.01	0.002	Standard	(RL > GWPS)
36	UA	E007	Total Dissolved Solids	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	1,670	1,200	Standard	Exceedance
37	LGU	E007	Antimony, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
37	LGU	E007	Arsenic, total	mg/L	03/31/21 - 10/23/24	14	0	CB around T-S line	0.0367	0.0600	Background	No Exceedance
37	LGU	E007	Barium, total	mg/L	03/31/21 - 10/23/24	14	0	CB around linear reg	0.318	2.0	Standard	No Exceedance
37	LGU	E007	Beryllium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
37	LGU	E007	Boron, total	mg/L	03/31/21 - 10/23/24	14	0	CB around linear reg	1.86	2.45	Background	No Exceedance
37	LGU	E007	Cadmium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
37	LGU	E007	Chloride, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	41.2	200	Standard	No Exceedance
37	LGU	E007	Chromium, total	mg/L	03/31/21 - 10/23/24	14	93	CB around T-S line	0.0015	0.1	Standard	No Exceedance
37	LGU	E007	Cobalt, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
37	LGU	E007	Fluoride, total	mg/L	03/31/21 - 10/23/24	14	7	CI around mean	0.563	4.0	Standard	No Exceedance
37	LGU	E007	Lead, total	mg/L	03/31/21 - 10/23/24	14	79	CI around median	0.0005	0.0075	Standard	No Exceedance
37	LGU	E007	Lithium, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.003	0.04	Standard	No Exceedance
37	LGU	E007	Mercury, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
37	LGU	E007	Molybdenum, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.0015	0.1	Standard	No Exceedance
37	LGU	E007	pH (field)	SU	03/31/21 - 10/23/24	14	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
37	LGU	E007	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 10/23/24	13	0	CI around mean	0.982	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Selenium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
37	LGU	E007	Sulfate, total	mg/L	03/31/21 - 10/23/24	14	0	CB around T-S line	249	400	Standard	No Exceedance
37	LGU	E007	Thallium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
37	LGU	E007	Total Dissolved Solids	mg/L	03/31/21 - 10/23/24	14	0	CB around linear reg	855	1,200	Standard	No Exceedance
38	UA	E007	Antimony, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
38	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/23/24	15	0	CB around linear reg	0.0306	0.0600	Background	No Exceedance
38	UA	E007	Barium, total	mg/L	03/30/21 - 10/23/24	15	0	CB around T-S line	-0.0161	2.0	Standard	No Exceedance
38	UA	E007	Beryllium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
38	UA	E007	Boron, total	mg/L	03/30/21 - 10/23/24	15	0	CI around mean	0.426	2.45	Background	No Exceedance
38	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
38	UA	E007	Chloride, total	mg/L	03/30/21 - 10/23/24	15	0	CB around linear reg	13.4	200	Standard	No Exceedance
38	UA	E007	Chromium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.005	0.1	Standard	No Exceedance
38	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
38	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/23/24	15	7	CI around median	0.35	4.0	Standard	No Exceedance
38	UA	E007	Lead, total	mg/L	03/30/21 - 10/23/24	15	93	CI around median	0.0005	0.0075	Standard	No Exceedance
38	UA	E007	Lithium, total	mg/L	03/30/21 - 10/23/24	15	60	CI around median	0.003	0.04	Standard	No Exceedance
38	UA	E007	Mercury, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
38	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/23/24	15	47	CI around mean	0.00248	0.1	Standard	No Exceedance
38	UA	E007	pH (field)	SU	03/30/21 - 10/23/24	15	0	CI around mean	7.0/7.1	6.5/9.0	Standard/Standard	No Exceedance
38	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 10/23/24	13	0	CI around mean	1.08	5	Standard	No Exceedance
38	UA	E007	Selenium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
38	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/23/24	15	93	CB around T-S line	-2.19	400	Standard	No Exceedance
38	UA	E007	Thallium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
38	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/23/24	15	0	CI around mean	509	1,200	Standard	No Exceedance
41	UA	E007	Antimony, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
41	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/24/24	15	0	CB around linear reg	0.0106	0.0600	Background	No Exceedance
41	UA	E007	Barium, total	mg/L	03/30/21 - 10/24/24	15	0	CI around mean	0.232	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Beryllium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
41	UA	E007	Boron, total	mg/L	03/30/21 - 10/24/24	15	0	CB around linear reg	2.96	2.45	Background	Exceedance
41	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
41	UA	E007	Chloride, total	mg/L	03/30/21 - 10/24/24	15	0	CB around linear reg	45.3	200	Standard	No Exceedance
41	UA	E007	Chromium, total	mg/L	03/30/21 - 10/24/24	15	93	CI around median	0.0015	0.1	Standard	No Exceedance
41	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
41	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/24/24	15	7	CI around median	0.41	4.0	Standard	No Exceedance
41	UA	E007	Lead, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
41	UA	E007	Lithium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.005	0.04	Standard	No Exceedance
41	UA	E007	Mercury, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
41	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.005	0.1	Standard	No Exceedance
41	UA	E007	pH (field)	SU	03/30/21 - 10/24/24	15	0	CB around linear reg	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
41	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/20/21 - 10/24/24	13	0	CI around mean	1.15	5	Standard	No Exceedance
41	UA	E007	Selenium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
41	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/24/24	15	87	CB around T-S line	-2.77	400	Standard	No Exceedance
41	UA	E007	Thallium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
41	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/24/24	15	0	CB around linear reg	618	1,200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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.

RL > GWPS: An individual LCL exceeded the GWPS with the RL used as the LCL because the sample result was less than the RL.

Exceedance: The statistical result exceeded the GWPS.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC’s (DMG’s) operating permit application for the North Ash Pond and Old East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:

NA

HSU = hydrostratigraphic unit:

LGU = Lower Groundwater Unit

UA = Uppermost Aquifer

LCL = Lower Confidence Limit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

RL = reporting limit

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 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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.

NS³ = The location was not accessible; therefore, a sample was not collected.

NS⁴ = The location could not be found; therefore, a sample was not collected.

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

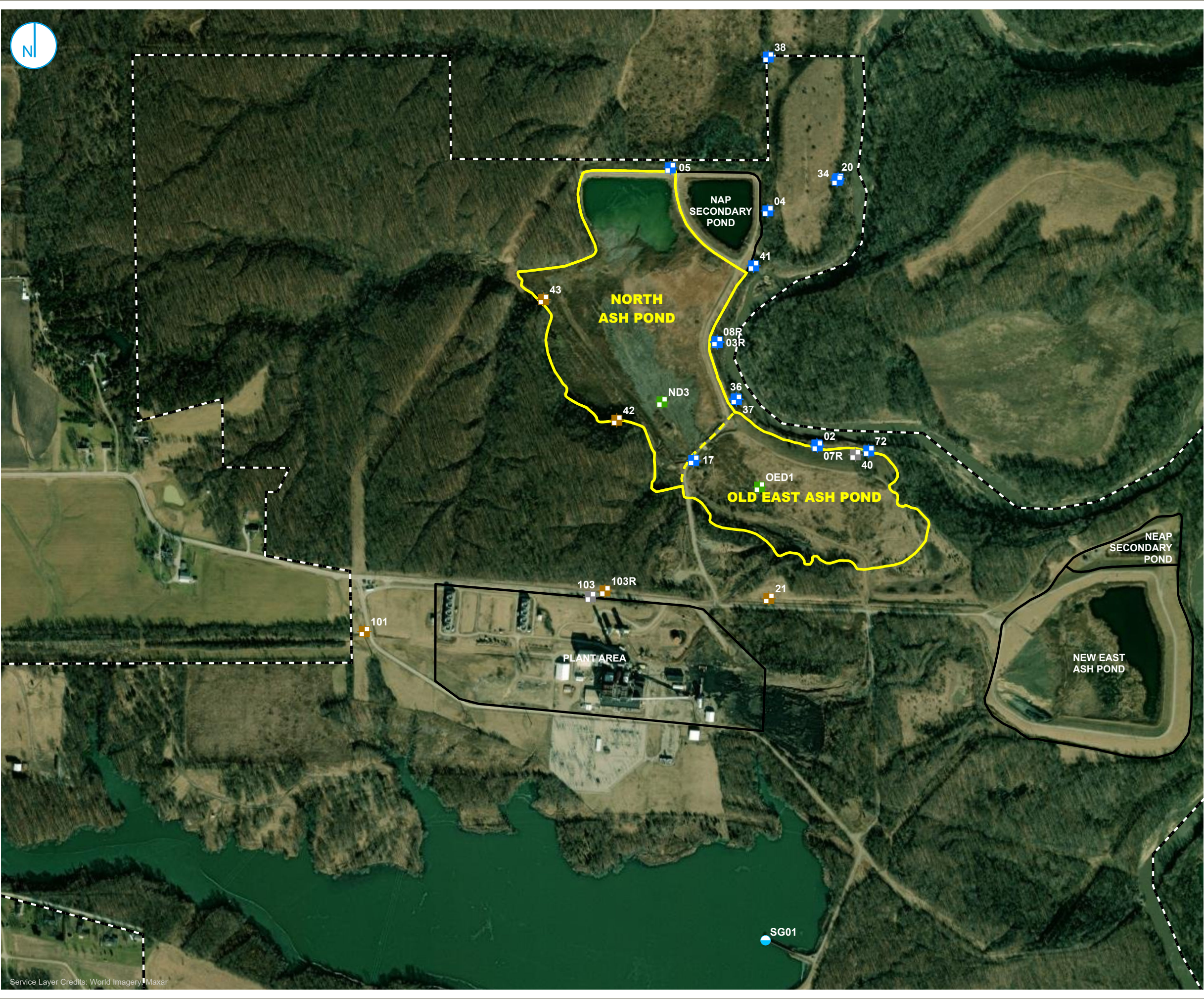
For pH, the values presented are the lower / upper limits

GWPS Source:

Background = background concentration

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

FIGURES



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- STAFF GAGE, RIVER
- CLOSED MONITORING WELL
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY

NOTE:
MONITORING WELL 40 WAS CLOSED ON JUNE 4, 2024.
MONITORING WELL 72 WAS INSTALLED ON DECEMBER 4, 2024. THE LOCATION IS APPROXIMATE.
MONITORING WELL 103 WAS CLOSED ON DECMEBER 3, 2024.
MONITORING WELL 103R WAS INSTALLED ON NOVEMBER 20, 2024. THE LOCATION IS APPROXIMATE.

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.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 4, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 4, 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	10/21/2024	19.49	574.55
03R	Compliance	10/21/2024	8.92	579.51
04	Compliance	10/21/2024	8.84	582.22
05	Compliance	10/21/2024	8.80	587.02
07R	Compliance	10/21/2024	17.35	577.32
08R	Compliance	10/21/2024	Dry	
17	Compliance	10/21/2024	40.22	583.14
20	Compliance	10/21/2024	15.80	576.64
21	Background	10/21/2024	92.02	580.86
34	Compliance	10/21/2024	13.47	579.15
36	Compliance	10/21/2024	15.10	575.03
37	Compliance	10/21/2024	9.20	580.68
38	Compliance	10/21/2024	8.39	583.44
41	Compliance	10/21/2024	7.05	580.29
42	Background	10/21/2024	26.92	581.65
43	Background	10/21/2024	16.38	591.63
101	Background	10/21/2024	108.55	598.29
103	Background	10/21/2024	131.22	589.33
ND3	Water Level	10/21/2024	Dry	
OED1	Water Level	10/21/2024	41.71	588.87
SG01	Water Level	10/21/2024	17.48	675.10

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 4, 2024**

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/04/24 16:47:32

JOB DESCRIPTION

VER-24Q4
VER_845_910-911

JOB NUMBER

500-258836-5

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
12/04/24 16:47:32

Authorized for release by
Dirk Nelson, Project Management Assistant II
Dirk.Nelson@et.eurofinsus.com
(708)534-5200

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	5
Method Summary	18
Sample Summary	19
Client Sample Results	20
Definitions	40
QC Association	41
QC Sample Results	50
Chronicle	65
Certification Summary	74
Chain of Custody	75
Receipt Checklists	84
Field Data Sheets	85



Client: Vistra Energy Corp
Project: VER-24Q4

Job ID: 500-258836-5

Job ID: 500-258836-5

Eurofins Chicago

Job Narrative
500-258836-5

Receipt

The samples were received on 10/22/24 12:47. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 2.9° C, 3.4° C, 3.6° C, 3.6° C, 4.1° C, 4.1° C, 4.2° C, 5.1° C and 5.6° C.

Receipt Exceptions

Affected samples: VER_035&D (500-258836-9) and VER_NED1_FD (500-258836-16)

Received the bottles for sample 9 with the ID of 035&D, logged per COC. Received sample 16 with nothing marked on the COC, Bottles are different from sample 15.

Per client - Sample #9 is 035&D. - Email attached with COCs.

Sample #16 - Bottles substituted from VER_010_FD, as that well did not have enough volume to supply dup. Logged in analyses to match parent sample (Sample #15).

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC) Sample #29 COC is checked off for sample VER_35&D however all container labels list VER_041. Logged sample as VER_041 (logged 041 parameters).

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Sample #1- COC does not list sample date/time. Logged per container label (10/21, no sample time listed).

Metals

Method 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: VER_003R (500-258836-4), VER_003R_FD (500-258836-5), VER_004 (500-258836-6) and VER_005 (500-258836-7). Elevated reporting limits (RLs) are provided.

Method 6020B: The following samples were diluted due to the abundance of non-target analytes: VER_007R (500-258836-18) and VER_036 (500-258836-23). Elevated reporting limits (RLs) are provided.

Method 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: VER_007R (500-258836-18) and VER_036 (500-258836-23). Elevated reporting limits (RLs) are provided.

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

General Chemistry

Method SM 2320B: The method blank for analytical batch 500-793910 contained Alkalinity above 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.

Method SM 2540C: The TDS matrix duplicate (DU) % RPD precision was outside of control limits for the following sample in batch:792683 (500-258888-I-12 DU). The laboratory control standard (LCS) recovery met acceptance criteria

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 500-794366 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_003R

Lab Sample ID: 500-258836-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.0055		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total
Arsenic	0.0076		0.0010	0.00023	mg/L	1			6020B	Recoverable Total
Barium	0.33		0.0025	0.00073	mg/L	1			6020B	Recoverable Total
Boron	28		1.0	0.25	mg/L	20			6020B	Recoverable Total
Cadmium	0.00028	J	0.00050	0.00017	mg/L	1			6020B	Recoverable Total
Calcium	190		0.20	0.044	mg/L	1			6020B	Recoverable Total
Chromium	0.0025	J	0.0050	0.0011	mg/L	1			6020B	Recoverable Total
Cobalt	0.00081	J	0.0010	0.00040	mg/L	1			6020B	Recoverable Total
Lead	0.0014		0.00050	0.00019	mg/L	1			6020B	Recoverable Total
Magnesium	62		0.20	0.049	mg/L	1			6020B	Recoverable Total
Molybdenum	0.37		0.0050	0.0025	mg/L	1			6020B	Recoverable Total
Potassium	3.2		0.50	0.11	mg/L	1			6020B	Recoverable Total
Sodium	100		0.20	0.077	mg/L	1			6020B	Recoverable Total
Chloride	21		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	530		20	4.1	mg/L	20			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	290		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	1200		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.40		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	8.81				ft	1			Field Sampling	Total/NA
Field pH	7.38				SU	1			Field Sampling	Total/NA
Field Temperature	13.6				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-140.4				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.13				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1330				umhos/cm	1			Field Sampling	Total/NA
Turbidity	16.74				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_003R_FD

Lab Sample ID: 500-258836-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.0050		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total
Arsenic	0.0051		0.0010	0.00023	mg/L	1			6020B	Recoverable Total
Barium	0.32		0.0025	0.00073	mg/L	1			6020B	Recoverable Total
Boron	28		1.0	0.25	mg/L	20			6020B	Recoverable Total
Calcium	180		0.20	0.044	mg/L	1			6020B	Recoverable Total
Chromium	0.0012	J	0.0050	0.0011	mg/L	1			6020B	Recoverable Total
Lead	0.00056		0.00050	0.00019	mg/L	1			6020B	Recoverable Total

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_003R_FD (Continued)

Lab Sample ID: 500-258836-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	61		0.20	0.049	mg/L	1		6020B	Total
									Recoverable
Molybdenum	0.36		0.0050	0.0025	mg/L	1		6020B	Total
									Recoverable
Potassium	2.8		0.50	0.11	mg/L	1		6020B	Total
									Recoverable
Sodium	100		0.20	0.077	mg/L	1		6020B	Total
									Recoverable
Chloride	21		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	530		20	4.1	mg/L	20		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	280		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	0.40		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	8.81				ft	1		Field Sampling	Total/NA
Field pH	7.38				SU	1		Field Sampling	Total/NA
Field Temperature	13.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-140.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.13				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1330				umhos/cm	1		Field Sampling	Total/NA
Turbidity	16.74				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_004

Lab Sample ID: 500-258836-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.047		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
									Recoverable
Arsenic	0.0057		0.0010	0.00023	mg/L	1		6020B	Total
									Recoverable
Barium	0.24		0.0025	0.00073	mg/L	1		6020B	Total
									Recoverable
Boron	9.9		1.0	0.25	mg/L	20		6020B	Total
									Recoverable
Calcium	72		0.20	0.044	mg/L	1		6020B	Total
									Recoverable
Cobalt	0.00051	J	0.0010	0.00040	mg/L	1		6020B	Total
									Recoverable
Magnesium	30		0.20	0.049	mg/L	1		6020B	Total
									Recoverable
Molybdenum	0.041		0.0050	0.0025	mg/L	1		6020B	Total
									Recoverable
Potassium	7.6		0.50	0.11	mg/L	1		6020B	Total
									Recoverable
Sodium	26		0.20	0.077	mg/L	1		6020B	Total
									Recoverable
Chloride	9.4		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	6.2		1.0	0.21	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	310		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	370		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.32		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	9.19				ft	1		Field Sampling	Total/NA
Field pH	7.61				SU	1		Field Sampling	Total/NA
Field Temperature	15.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-164.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.08				mg/L	1		Field Sampling	Total/NA
Specific Conductance	430.0				umhos/cm	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_004 (Continued)

Lab Sample ID: 500-258836-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	0.79				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_005

Lab Sample ID: 500-258836-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.091		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Arsenic	0.00032	J	0.0010	0.00023	mg/L	1		6020B	Recoverable Total
Barium	0.031		0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	15		1.0	0.25	mg/L	20		6020B	Recoverable Total
Calcium	130		0.20	0.044	mg/L	1		6020B	Recoverable Total
Cobalt	0.00083	J	0.0010	0.00040	mg/L	1		6020B	Recoverable Total
Magnesium	27		0.20	0.049	mg/L	1		6020B	Recoverable Total
Molybdenum	0.049		0.0050	0.0025	mg/L	1		6020B	Recoverable Total
Potassium	11		0.50	0.11	mg/L	1		6020B	Recoverable Total
Sodium	25		0.20	0.077	mg/L	1		6020B	Recoverable Total
Chloride	6.4		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	220		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	220		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	0.62		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	8.78				ft	1		Field Sampling	Total/NA
Field pH	7.39				SU	1		Field Sampling	Total/NA
Field Temperature	15.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-3.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.11				mg/L	1		Field Sampling	Total/NA
Specific Conductance	738				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.15				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_042

Lab Sample ID: 500-258836-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.019		0.0010	0.00023	mg/L	1		6020B	Total
Barium	0.17		0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	0.61		0.050	0.013	mg/L	1		6020B	Recoverable Total
Calcium	88		0.20	0.044	mg/L	1		6020B	Recoverable Total
Magnesium	48		0.20	0.049	mg/L	1		6020B	Recoverable Total
Potassium	2.6		0.50	0.11	mg/L	1		6020B	Recoverable Total
Sodium	61		0.20	0.077	mg/L	1		6020B	Recoverable Total
Chloride	16		2.0	0.23	mg/L	2		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_042 (Continued)

Lab Sample ID: 500-258836-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	41		2.0	0.41	mg/L	2		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	460		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	500		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.52		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	26.70				ft	1		Field Sampling	Total/NA
Field pH	7.66				SU	1		Field Sampling	Total/NA
Field Temperature	11.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	145.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.22				mg/L	1		Field Sampling	Total/NA
Specific Conductance	857				umhos/cm	1		Field Sampling	Total/NA
Turbidity	7.19				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_043

Lab Sample ID: 500-258836-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0086		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	0.43		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	1.1		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	78		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0011	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Lead	0.00056		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	46		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	5.5		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	110		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	66		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	20		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	480		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	600		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)	16.52				ft	1		Field Sampling	Total/NA
Field pH	7.32				SU	1		Field Sampling	Total/NA
Field Temperature	12.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-148.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.09				mg/L	1		Field Sampling	Total/NA
Specific Conductance	987				umhos/cm	1		Field Sampling	Total/NA
Turbidity	8.45				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_043_FD

Lab Sample ID: 500-258836-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0092		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.010		0.0010	0.00023	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_043_FD (Continued)

Lab Sample ID: 500-258836-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.44		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	1.2		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	76		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00029	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	45		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	5.3		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	110		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	66		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	21		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	480		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	630		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)	16.52				ft	1		Field Sampling	Total/NA
Field pH	7.32				SU	1		Field Sampling	Total/NA
Field Temperature	12.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-148.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.09				mg/L	1		Field Sampling	Total/NA
Specific Conductance	987				umhos/cm	1		Field Sampling	Total/NA
Turbidity	8.45				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_002

Lab Sample ID: 500-258836-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0040	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0090		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.21		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.41	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	90		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0067		0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.00066	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	36		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	3.2	B	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	85		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	45		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	46		1.0	0.21	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	430	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	630		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_002 (Continued)

Lab Sample ID: 500-258836-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.53		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	19.71				ft	1		Field Sampling	Total/NA
Field pH	7.75				SU	1		Field Sampling	Total/NA
Field Temperature	15.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-154.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.10				mg/L	1		Field Sampling	Total/NA
Specific Conductance	832				umhos/cm	1		Field Sampling	Total/NA
Turbidity	57.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_007R

Lab Sample ID: 500-258836-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.64		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.020		0.0050	0.0012	mg/L	5		6020B	Total Recoverable
Barium	0.024		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	51	B	2.5	0.64	mg/L	50		6020B	Total Recoverable
Calcium	740		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00072	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	39		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.25		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	65	B	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	45		1.0	0.39	mg/L	5		6020B	Total Recoverable
Chloride	4.3		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	1700		100	21	mg/L	100		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	160	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	3200		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.092	J	0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	17.18				ft	1		Field Sampling	Total/NA
Field pH	7.21				SU	1		Field Sampling	Total/NA
Field Temperature	16.5				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-78.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.73				mg/L	1		Field Sampling	Total/NA
Specific Conductance	2577				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.18				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_101&

Lab Sample ID: 500-258836-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0071		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.058		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.13		0.0025	0.00073	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_101& (Continued)

Lab Sample ID: 500-258836-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	2.3	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	65		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00020	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	35		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	3.3	B	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	94		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	11		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	35		1.0	0.21	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	430	B	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	0.81		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	108.91				ft	1		Field Sampling	Total/NA
Field pH	7.55				SU	1		Field Sampling	Total/NA
Field Temperature	13.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	143.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.49				mg/L	1		Field Sampling	Total/NA
Specific Conductance	814				umhos/cm	1		Field Sampling	Total/NA
Turbidity	320.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_103&

Lab Sample ID: 500-258836-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.072		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00098	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.018		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.41	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	220		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0050		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	220		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0064		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	2.4	B	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	22		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	6.0		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	950		50	10	mg/L	50		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	380	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)	130.90				ft	1		Field Sampling	Total/NA
Field pH	7.07				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_103& (Continued)

Lab Sample ID: 500-258836-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field Temperature	15.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	102.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.84				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1882				umhos/cm	1		Field Sampling	Total/NA
Turbidity	7.72				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_020

Lab Sample ID: 500-258836-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.026		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0017		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.023		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	2.2	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	99		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00045	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	38		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	1.4	B	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	12		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	4.3		2.0	0.23	mg/L	2		300.0	Total/NA
Sulfate	93		2.0	0.41	mg/L	2		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	310	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	480		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.084	J	0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	15.69				ft	1		Field Sampling	Total/NA
Field pH	7.13				SU	1		Field Sampling	Total/NA
Field Temperature	14.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-25.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.12				mg/L	1		Field Sampling	Total/NA
Specific Conductance	626				umhos/cm	1		Field Sampling	Total/NA
Turbidity	7.62				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_021

Lab Sample ID: 500-258836-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.063		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.11		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.87		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	59		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	28		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0049	J	0.0050	0.0025	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_021 (Continued)

Lab Sample ID: 500-258836-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Potassium	2.3	B	0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	54		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	1.5		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	3.6	F1 F2	1.0	0.21	mg/L	1			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	360	B	5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	400		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	1.1		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	91.90				ft	1			Field Sampling	Total/NA
Field pH	7.60				SU	1			Field Sampling	Total/NA
Field Temperature	14.2				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	137.6				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	1.10				mg/L	1			Field Sampling	Total/NA
Specific Conductance	600				umhos/cm	1			Field Sampling	Total/NA
Turbidity	7.71				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_036

Lab Sample ID: 500-258836-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.21		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.0041	J	0.0050	0.0012	mg/L	5			6020B	Total Recoverable
Barium	0.070		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	16	B	1.0	0.25	mg/L	20			6020B	Total Recoverable
Calcium	430		0.20	0.044	mg/L	1			6020B	Total Recoverable
Cobalt	0.00063	J	0.0010	0.00040	mg/L	1			6020B	Total Recoverable
Magnesium	65		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.12		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	24	B	0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	34		1.0	0.39	mg/L	5			6020B	Total Recoverable
Chloride	13		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	1100		50	10	mg/L	50			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	190	B	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
Fluoride	0.19		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	15.09				ft	1			Field Sampling	Total/NA
Field pH	7.25				SU	1			Field Sampling	Total/NA
Field Temperature	14.7				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-116.9				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.12				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1759				umhos/cm	1			Field Sampling	Total/NA
Turbidity	7.32				NTU	1			Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_037

Lab Sample ID: 500-258836-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0023	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.040		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.35		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	2.1	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	130		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	62		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	3.3	B	0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0010	J	0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	100		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	40		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	290		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	400	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	900		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.54		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	9.01				ft	1		Field Sampling	Total/NA
Field pH	7.08				SU	1		Field Sampling	Total/NA
Field Temperature	14.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-146.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.03				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1205				umhos/cm	1		Field Sampling	Total/NA
Turbidity	50.74				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_038

Lab Sample ID: 500-258836-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.034		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.21		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.53	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	74		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	36		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	3.0	B	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	94		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	15		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	0.23	J	1.0	0.21	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	480	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)	8.50				ft	1		Field Sampling	Total/NA
Field pH	7.18				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_038 (Continued)

Lab Sample ID: 500-258836-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field Temperature	13.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	139.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.37				mg/L	1		Field Sampling	Total/NA
Specific Conductance	909				umhos/cm	1		Field Sampling	Total/NA
Turbidity	151.18				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_038_FD

Lab Sample ID: 500-258836-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0023	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.034		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.22		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.52	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	75		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0011	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	37		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	3.1	B	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	94		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	15		1.0	0.12	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	500	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	580		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)	8.50				ft	1		Field Sampling	Total/NA
Field pH	7.18				SU	1		Field Sampling	Total/NA
Field Temperature	13.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	139.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.37				mg/L	1		Field Sampling	Total/NA
Specific Conductance	909				umhos/cm	1		Field Sampling	Total/NA
Turbidity	151.18				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_034

Lab Sample ID: 500-258836-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0053		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	0.18		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	71		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0051		0.0050	0.0011	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_034 (Continued)

Lab Sample ID: 500-258836-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.0012		0.0010	0.00040	mg/L	1		6020B	Total
Lead	0.0025		0.00050	0.00019	mg/L	1		6020B	Recoverable
Magnesium	38		0.20	0.049	mg/L	1		6020B	Total
Potassium	3.1	B	0.50	0.11	mg/L	1		6020B	Recoverable
Sodium	83		0.20	0.077	mg/L	1		6020B	Total
Chloride	31		1.0	0.12	mg/L	1		300.0	Recoverable
Bicarbonate Alkalinity as CaCO3	450		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	520		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.62		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	15.47				ft	1		Field Sampling	Total/NA
Field pH	7.21				SU	1		Field Sampling	Total/NA
Field Temperature	11.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-126.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.71				mg/L	1		Field Sampling	Total/NA
Specific Conductance	814				umhos/cm	1		Field Sampling	Total/NA
Turbidity	31.43				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_041

Lab Sample ID: 500-258836-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.012		0.0010	0.00023	mg/L	1		6020B	Total
Barium	0.23		0.0025	0.00073	mg/L	1		6020B	Recoverable
Boron	3.0	B	0.050	0.013	mg/L	1		6020B	Total
Calcium	85		0.20	0.044	mg/L	1		6020B	Recoverable
Chromium	0.0013	J	0.0050	0.0011	mg/L	1		6020B	Total
Lead	0.00022	J	0.00050	0.00019	mg/L	1		6020B	Recoverable
Magnesium	41		0.20	0.049	mg/L	1		6020B	Total
Potassium	3.1	B	0.50	0.11	mg/L	1		6020B	Recoverable
Sodium	110		0.20	0.077	mg/L	1		6020B	Total
Chloride	50		2.0	0.23	mg/L	2		300.0	Recoverable
Bicarbonate Alkalinity as CaCO3	540		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	680		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)	6.12				ft	1		Field Sampling	Total/NA
Field pH	7.25				SU	1		Field Sampling	Total/NA
Field Temperature	12.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-136.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.05				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1009				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.49				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_YSG01

Lab Sample ID: 500-258836-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	17.48				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
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

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-258836-4	VER_003R	Water	10/22/24 13:00	10/23/24 12:00
500-258836-5	VER_003R_FD	Water	10/22/24 13:05	10/23/24 12:00
500-258836-6	VER_004	Water	10/22/24 12:15	10/23/24 12:00
500-258836-7	VER_005	Water	10/22/24 11:30	10/23/24 12:00
500-258836-10	VER_042	Water	10/22/24 15:10	10/23/24 12:00
500-258836-11	VER_043	Water	10/22/24 15:55	10/23/24 12:00
500-258836-12	VER_043_FD	Water	10/22/24 16:00	10/23/24 12:00
500-258836-17	VER_002	Water	10/23/24 10:10	10/24/24 11:15
500-258836-18	VER_007R	Water	10/23/24 10:50	10/24/24 11:15
500-258836-19	VER_101&	Water	10/23/24 08:35	10/24/24 11:15
500-258836-20	VER_103&	Water	10/23/24 10:20	10/24/24 11:15
500-258836-21	VER_020	Water	10/23/24 15:45	10/24/24 11:15
500-258836-22	VER_021	Water	10/23/24 11:55	10/24/24 11:15
500-258836-23	VER_036	Water	10/23/24 08:10	10/24/24 11:15
500-258836-24	VER_037	Water	10/23/24 08:50	10/24/24 11:15
500-258836-25	VER_038	Water	10/23/24 14:20	10/24/24 11:15
500-258836-26	VER_038_FD	Water	10/23/24 14:35	10/24/24 11:15
500-258836-28	VER_034	Water	10/24/24 08:00	10/24/24 12:30
500-258836-29	VER_041	Water	10/24/24 08:50	10/24/24 12:30
500-258836-30	VER_YSG01	Water	10/21/24 09:45	11/06/24 16:15

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_003R

Lab Sample ID: 500-258836-4

Date Collected: 10/22/24 13:00

Matrix: Water

Date Received: 10/23/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0055		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 15:51	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		11/01/24 16:43	11/06/24 12:59	1
Arsenic	0.0076		0.0010	0.00023	mg/L		11/01/24 16:43	11/06/24 12:59	1
Barium	0.33		0.0025	0.00073	mg/L		11/01/24 16:43	11/06/24 12:59	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/01/24 16:43	11/06/24 12:59	1
Boron	28		1.0	0.25	mg/L		11/01/24 16:43	11/07/24 11:00	20
Cadmium	0.00028	J	0.00050	0.00017	mg/L		11/01/24 16:43	11/06/24 12:59	1
Calcium	190		0.20	0.044	mg/L		11/01/24 16:43	11/06/24 12:59	1
Chromium	0.0025	J	0.0050	0.0011	mg/L		11/01/24 16:43	11/06/24 12:59	1
Cobalt	0.00081	J	0.0010	0.00040	mg/L		11/01/24 16:43	11/06/24 12:59	1
Lead	0.0014		0.00050	0.00019	mg/L		11/01/24 16:43	11/06/24 12:59	1
Magnesium	62		0.20	0.049	mg/L		11/01/24 16:43	11/06/24 12:59	1
Molybdenum	0.37		0.0050	0.0025	mg/L		11/01/24 16:43	11/06/24 12:59	1
Potassium	3.2		0.50	0.11	mg/L		11/01/24 16:43	11/06/24 12:59	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/01/24 16:43	11/06/24 12:59	1
Sodium	100		0.20	0.077	mg/L		11/01/24 16:43	11/06/24 12:59	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/01/24 16:43	11/06/24 12:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	21		1.0	0.12	mg/L			11/09/24 09:58	1
Sulfate (EPA 300.0)	530		20	4.1	mg/L			11/09/24 10:45	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290		5.0	3.7	mg/L			11/01/24 16:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/01/24 16:04	1
Total Dissolved Solids (SM 2540C)	1200		10	4.3	mg/L			10/28/24 15:40	1
Fluoride (SM 4500 F C)	0.40		0.10	0.056	mg/L			11/06/24 17:21	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.81				ft			10/22/24 13:00	1
Field pH	7.38				SU			10/22/24 13:00	1
Field Temperature	13.6				Degrees C			10/22/24 13:00	1
Oxidation Reduction Potential	-140.4				millivolts			10/22/24 13:00	1
Oxygen, Dissolved	0.13				mg/L			10/22/24 13:00	1
Specific Conductance	1330				umhos/cm			10/22/24 13:00	1
Turbidity	16.74				NTU			10/22/24 13:00	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_003R_FD

Lab Sample ID: 500-258836-5

Date Collected: 10/22/24 13:05

Matrix: Water

Date Received: 10/23/24 12:00

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		10/31/24 09:14	11/01/24 15:56	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		11/01/24 16:43	11/06/24 13:06	1
Arsenic	0.0051		0.0010	0.00023	mg/L		11/01/24 16:43	11/06/24 13:06	1
Barium	0.32		0.0025	0.00073	mg/L		11/01/24 16:43	11/06/24 13:06	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/01/24 16:43	11/06/24 13:06	1
Boron	28		1.0	0.25	mg/L		11/01/24 16:43	11/07/24 11:03	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/01/24 16:43	11/06/24 13:06	1
Calcium	180		0.20	0.044	mg/L		11/01/24 16:43	11/06/24 13:06	1
Chromium	0.0012 J		0.0050	0.0011	mg/L		11/01/24 16:43	11/06/24 13:06	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/01/24 16:43	11/06/24 13:06	1
Lead	0.00056		0.00050	0.00019	mg/L		11/01/24 16:43	11/06/24 13:06	1
Magnesium	61		0.20	0.049	mg/L		11/01/24 16:43	11/06/24 13:06	1
Molybdenum	0.36		0.0050	0.0025	mg/L		11/01/24 16:43	11/06/24 13:06	1
Potassium	2.8		0.50	0.11	mg/L		11/01/24 16:43	11/06/24 13:06	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/01/24 16:43	11/06/24 13:06	1
Sodium	100		0.20	0.077	mg/L		11/01/24 16:43	11/06/24 13:06	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/01/24 16:43	11/06/24 13:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	21		1.0	0.12	mg/L			11/09/24 11:00	1
Sulfate (EPA 300.0)	530		20	4.1	mg/L			11/09/24 11:16	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	280		5.0	3.7	mg/L			11/01/24 16:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/01/24 16:13	1
Total Dissolved Solids (SM 2540C)	1300		10	4.3	mg/L			10/28/24 15:47	1
Fluoride (SM 4500 F C)	0.40		0.10	0.056	mg/L			11/06/24 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)	8.81				ft			10/22/24 13:05	1
Field pH	7.38				SU			10/22/24 13:05	1
Field Temperature	13.6				Degrees C			10/22/24 13:05	1
Oxidation Reduction Potential	-140.4				millivolts			10/22/24 13:05	1
Oxygen, Dissolved	0.13				mg/L			10/22/24 13:05	1
Specific Conductance	1330				umhos/cm			10/22/24 13:05	1
Turbidity	16.74				NTU			10/22/24 13:05	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_004

Lab Sample ID: 500-258836-6

Date Collected: 10/22/24 12:15

Matrix: Water

Date Received: 10/23/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.047		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 16:09	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		11/01/24 16:43	11/06/24 13:15	1
Arsenic	0.0057		0.0010	0.00023	mg/L		11/01/24 16:43	11/06/24 13:15	1
Barium	0.24		0.0025	0.00073	mg/L		11/01/24 16:43	11/06/24 13:15	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/01/24 16:43	11/06/24 13:15	1
Boron	9.9		1.0	0.25	mg/L		11/01/24 16:43	11/07/24 11:10	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/01/24 16:43	11/06/24 13:15	1
Calcium	72		0.20	0.044	mg/L		11/01/24 16:43	11/06/24 13:15	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/01/24 16:43	11/06/24 13:15	1
Cobalt	0.00051	J	0.0010	0.00040	mg/L		11/01/24 16:43	11/06/24 13:15	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/01/24 16:43	11/06/24 13:15	1
Magnesium	30		0.20	0.049	mg/L		11/01/24 16:43	11/06/24 13:15	1
Molybdenum	0.041		0.0050	0.0025	mg/L		11/01/24 16:43	11/06/24 13:15	1
Potassium	7.6		0.50	0.11	mg/L		11/01/24 16:43	11/06/24 13:15	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/01/24 16:43	11/06/24 13:15	1
Sodium	26		0.20	0.077	mg/L		11/01/24 16:43	11/06/24 13:15	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/01/24 16:43	11/06/24 13:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	9.4		1.0	0.12	mg/L			11/09/24 11:32	1
Sulfate (EPA 300.0)	6.2		1.0	0.21	mg/L			11/09/24 11:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	310		5.0	3.7	mg/L			11/01/24 16:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/01/24 16:22	1
Total Dissolved Solids (SM 2540C)	370		10	4.3	mg/L			10/28/24 15:55	1
Fluoride (SM 4500 F C)	0.32		0.10	0.056	mg/L			11/06/24 17:48	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	9.19				ft			10/22/24 12:15	1
Field pH	7.61				SU			10/22/24 12:15	1
Field Temperature	15.7				Degrees C			10/22/24 12:15	1
Oxidation Reduction Potential	-164.0				millivolts			10/22/24 12:15	1
Oxygen, Dissolved	0.08				mg/L			10/22/24 12:15	1
Specific Conductance	430.0				umhos/cm			10/22/24 12:15	1
Turbidity	0.79				NTU			10/22/24 12:15	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_005

Lab Sample ID: 500-258836-7

Date Collected: 10/22/24 11:30

Matrix: Water

Date Received: 10/23/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.091		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 16:13	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		11/01/24 16:43	11/06/24 13:22	1
Arsenic	0.00032	J	0.0010	0.00023	mg/L		11/01/24 16:43	11/06/24 13:22	1
Barium	0.031		0.0025	0.00073	mg/L		11/01/24 16:43	11/06/24 13:22	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/01/24 16:43	11/06/24 13:22	1
Boron	15		1.0	0.25	mg/L		11/01/24 16:43	11/07/24 11:12	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/01/24 16:43	11/06/24 13:22	1
Calcium	130		0.20	0.044	mg/L		11/01/24 16:43	11/06/24 13:22	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/01/24 16:43	11/06/24 13:22	1
Cobalt	0.00083	J	0.0010	0.00040	mg/L		11/01/24 16:43	11/06/24 13:22	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/01/24 16:43	11/06/24 13:22	1
Magnesium	27		0.20	0.049	mg/L		11/01/24 16:43	11/06/24 13:22	1
Molybdenum	0.049		0.0050	0.0025	mg/L		11/01/24 16:43	11/06/24 13:22	1
Potassium	11		0.50	0.11	mg/L		11/01/24 16:43	11/06/24 13:22	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/01/24 16:43	11/06/24 13:22	1
Sodium	25		0.20	0.077	mg/L		11/01/24 16:43	11/06/24 13:22	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/01/24 16:43	11/06/24 13:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	6.4		1.0	0.12	mg/L			11/09/24 11:47	1
Sulfate (EPA 300.0)	220		10	2.1	mg/L			11/09/24 12:03	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220		5.0	3.7	mg/L			11/01/24 16:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/01/24 16:34	1
Total Dissolved Solids (SM 2540C)	640		10	4.3	mg/L			10/28/24 16:02	1
Fluoride (SM 4500 F C)	0.62		0.10	0.056	mg/L			11/06/24 18:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.78				ft			10/22/24 11:30	1
Field pH	7.39				SU			10/22/24 11:30	1
Field Temperature	15.1				Degrees C			10/22/24 11:30	1
Oxidation Reduction Potential	-3.5				millivolts			10/22/24 11:30	1
Oxygen, Dissolved	0.11				mg/L			10/22/24 11:30	1
Specific Conductance	738				umhos/cm			10/22/24 11:30	1
Turbidity	1.15				NTU			10/22/24 11:30	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_042

Lab Sample ID: 500-258836-10

Date Collected: 10/22/24 15:10

Matrix: Water

Date Received: 10/23/24 12:00

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		10/31/24 09:14	11/01/24 16:27	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		11/01/24 16:43	11/06/24 12:30	1
Arsenic	0.019		0.0010	0.00023	mg/L		11/01/24 16:43	11/06/24 12:30	1
Barium	0.17		0.0025	0.00073	mg/L		11/01/24 16:43	11/06/24 12:30	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/01/24 16:43	11/06/24 12:30	1
Boron	0.61		0.050	0.013	mg/L		11/01/24 16:43	11/06/24 12:30	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/01/24 16:43	11/06/24 12:30	1
Calcium	88		0.20	0.044	mg/L		11/01/24 16:43	11/06/24 12:30	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/01/24 16:43	11/06/24 12:30	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/01/24 16:43	11/06/24 12:30	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/01/24 16:43	11/06/24 12:30	1
Magnesium	48		0.20	0.049	mg/L		11/01/24 16:43	11/06/24 12:30	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/01/24 16:43	11/06/24 12:30	1
Potassium	2.6		0.50	0.11	mg/L		11/01/24 16:43	11/06/24 12:30	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/01/24 16:43	11/06/24 12:30	1
Sodium	61		0.20	0.077	mg/L		11/01/24 16:43	11/06/24 12:30	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/01/24 16:43	11/06/24 12:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	16		2.0	0.23	mg/L			11/09/24 12:50	2
Sulfate (EPA 300.0)	41		2.0	0.41	mg/L			11/09/24 12:50	2
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	460		5.0	3.7	mg/L			11/01/24 17:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/01/24 17:04	1
Total Dissolved Solids (SM 2540C)	500		10	4.3	mg/L			10/29/24 10:36	1
Fluoride (SM 4500 F C)	0.52		0.10	0.056	mg/L			11/06/24 15:26	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	26.70				ft			10/22/24 15:10	1
Field pH	7.66				SU			10/22/24 15:10	1
Field Temperature	11.8				Degrees C			10/22/24 15:10	1
Oxidation Reduction Potential	145.0				millivolts			10/22/24 15:10	1
Oxygen, Dissolved	1.22				mg/L			10/22/24 15:10	1
Specific Conductance	857				umhos/cm			10/22/24 15:10	1
Turbidity	7.19				NTU			10/22/24 15:10	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_043

Lab Sample ID: 500-258836-11

Date Collected: 10/22/24 15:55

Matrix: Water

Date Received: 10/23/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0086		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 16:49	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		11/01/24 16:43	11/06/24 13:43	1
Arsenic	0.011		0.0010	0.00023	mg/L		11/01/24 16:43	11/07/24 13:21	1
Barium	0.43		0.0025	0.00073	mg/L		11/01/24 16:43	11/06/24 13:43	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/01/24 16:43	11/06/24 13:43	1
Boron	1.1		0.050	0.013	mg/L		11/01/24 16:43	11/07/24 11:24	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/01/24 16:43	11/06/24 13:43	1
Calcium	78		0.20	0.044	mg/L		11/01/24 16:43	11/06/24 13:43	1
Chromium	0.0011 J		0.0050	0.0011	mg/L		11/01/24 16:43	11/06/24 13:43	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/01/24 16:43	11/06/24 13:43	1
Lead	0.00056		0.00050	0.00019	mg/L		11/01/24 16:43	11/06/24 13:43	1
Magnesium	46		0.20	0.049	mg/L		11/01/24 16:43	11/06/24 13:43	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/01/24 16:43	11/06/24 13:43	1
Potassium	5.5		0.50	0.11	mg/L		11/01/24 16:43	11/06/24 13:43	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/01/24 16:43	11/07/24 13:21	1
Sodium	110		0.20	0.077	mg/L		11/01/24 16:43	11/06/24 13:43	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/01/24 16:43	11/06/24 13:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	66		5.0	0.58	mg/L			11/09/24 14:08	5
Sulfate (EPA 300.0)	20		5.0	1.0	mg/L			11/09/24 14:08	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	480		5.0	3.7	mg/L			11/01/24 17:14	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/01/24 17:14	1
Total Dissolved Solids (SM 2540C)	600		10	4.3	mg/L			10/29/24 10:44	1
Fluoride (SM 4500 F C)	0.46		0.10	0.056	mg/L			11/06/24 18:37	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	16.52				ft			10/22/24 15:55	1
Field pH	7.32				SU			10/22/24 15:55	1
Field Temperature	12.6				Degrees C			10/22/24 15:55	1
Oxidation Reduction Potential	-148.4				millivolts			10/22/24 15:55	1
Oxygen, Dissolved	0.09				mg/L			10/22/24 15:55	1
Specific Conductance	987				umhos/cm			10/22/24 15:55	1
Turbidity	8.45				NTU			10/22/24 15:55	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_043_FD

Lab Sample ID: 500-258836-12

Date Collected: 10/22/24 16:00

Matrix: Water

Date Received: 10/23/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0092		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 17:03	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		11/01/24 16:43	11/06/24 13:45	1
Arsenic	0.010		0.0010	0.00023	mg/L		11/01/24 16:43	11/07/24 13:24	1
Barium	0.44		0.0025	0.00073	mg/L		11/01/24 16:43	11/06/24 13:45	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/01/24 16:43	11/06/24 13:45	1
Boron	1.2		0.050	0.013	mg/L		11/01/24 16:43	11/07/24 11:27	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/01/24 16:43	11/06/24 13:45	1
Calcium	76		0.20	0.044	mg/L		11/01/24 16:43	11/06/24 13:45	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/01/24 16:43	11/06/24 13:45	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/01/24 16:43	11/06/24 13:45	1
Lead	0.00029 J		0.00050	0.00019	mg/L		11/01/24 16:43	11/06/24 13:45	1
Magnesium	45		0.20	0.049	mg/L		11/01/24 16:43	11/06/24 13:45	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/01/24 16:43	11/06/24 13:45	1
Potassium	5.3		0.50	0.11	mg/L		11/01/24 16:43	11/06/24 13:45	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/01/24 16:43	11/07/24 13:24	1
Sodium	110		0.20	0.077	mg/L		11/01/24 16:43	11/06/24 13:45	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/01/24 16:43	11/06/24 13:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	66		5.0	0.58	mg/L			11/09/24 17:47	5
Sulfate (EPA 300.0)	21		5.0	1.0	mg/L			11/09/24 17:47	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	480		5.0	3.7	mg/L			11/01/24 17:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/01/24 17:25	1
Total Dissolved Solids (SM 2540C)	630		10	4.3	mg/L			10/29/24 10:46	1
Fluoride (SM 4500 F C)	0.46		0.10	0.056	mg/L			11/06/24 18:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	16.52				ft			10/22/24 16:00	1
Field pH	7.32				SU			10/22/24 16:00	1
Field Temperature	12.6				Degrees C			10/22/24 16:00	1
Oxidation Reduction Potential	-148.4				millivolts			10/22/24 16:00	1
Oxygen, Dissolved	0.09				mg/L			10/22/24 16:00	1
Specific Conductance	987				umhos/cm			10/22/24 16:00	1
Turbidity	8.45				NTU			10/22/24 16:00	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_002

Lab Sample ID: 500-258836-17

Date Collected: 10/23/24 10:10

Matrix: Water

Date Received: 10/24/24 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0040	J	0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 17:25	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		11/04/24 16:40	11/06/24 14:56	1
Arsenic	0.0090		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:52	1
Barium	0.21		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:56	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:56	1
Boron	0.41	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:52	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:56	1
Calcium	90		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:56	1
Chromium	0.0067		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:56	1
Cobalt	0.00066	J	0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:56	1
Lead	0.0018		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:56	1
Magnesium	36		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:56	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:56	1
Potassium	3.2	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:56	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:52	1
Sodium	85		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:52	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	45		1.0	0.12	mg/L			11/09/24 20:24	1
Sulfate (EPA 300.0)	46		1.0	0.21	mg/L			11/09/24 20:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	430	B	5.0	3.7	mg/L			11/04/24 16:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 16:31	1
Total Dissolved Solids (SM 2540C)	630		10	4.3	mg/L			10/29/24 19:17	1
Fluoride (SM 4500 F C)	0.53		0.10	0.056	mg/L			11/18/24 12:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	19.71				ft			10/23/24 10:10	1
Field pH	7.75				SU			10/23/24 10:10	1
Field Temperature	15.0				Degrees C			10/23/24 10:10	1
Oxidation Reduction Potential	-154.0				millivolts			10/23/24 10:10	1
Oxygen, Dissolved	0.10				mg/L			10/23/24 10:10	1
Specific Conductance	832				umhos/cm			10/23/24 10:10	1
Turbidity	57.40				NTU			10/23/24 10:10	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_007R

Lab Sample ID: 500-258836-18

Date Collected: 10/23/24 10:50

Matrix: Water

Date Received: 10/24/24 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.64		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 17:30	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		11/04/24 16:40	11/06/24 14:16	1
Arsenic	0.020		0.0050	0.0012	mg/L		11/04/24 16:40	11/07/24 14:09	5
Barium	0.024		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:16	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:16	1
Boron	51	B	2.5	0.64	mg/L		11/04/24 16:40	11/07/24 14:07	50
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:16	1
Calcium	740		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:16	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:16	1
Cobalt	0.00072	J	0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:16	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:16	1
Magnesium	39		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:16	1
Molybdenum	0.25		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:16	1
Potassium	65	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:16	1
Selenium	<0.013		0.013	0.0049	mg/L		11/04/24 16:40	11/07/24 14:09	5
Sodium	45		1.0	0.39	mg/L		11/04/24 16:40	11/07/24 14:09	5
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	4.3		1.0	0.12	mg/L			11/09/24 20:39	1
Sulfate (EPA 300.0)	1700		100	21	mg/L			11/11/24 13:39	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	160	B	5.0	3.7	mg/L			11/04/24 16:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 16:43	1
Total Dissolved Solids (SM 2540C)	3200		10	4.3	mg/L			10/29/24 19:20	1
Fluoride (SM 4500 F C)	0.092	J	0.10	0.056	mg/L			11/18/24 12:42	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	17.18				ft			10/23/24 10:50	1
Field pH	7.21				SU			10/23/24 10:50	1
Field Temperature	16.5				Degrees C			10/23/24 10:50	1
Oxidation Reduction Potential	-78.9				millivolts			10/23/24 10:50	1
Oxygen, Dissolved	0.73				mg/L			10/23/24 10:50	1
Specific Conductance	2577				umhos/cm			10/23/24 10:50	1
Turbidity	3.18				NTU			10/23/24 10:50	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_101&

Lab Sample ID: 500-258836-19

Date Collected: 10/23/24 08:35

Matrix: Water

Date Received: 10/24/24 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0071		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 17:35	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		11/04/24 16:40	11/06/24 14:19	1
Arsenic	0.058		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:18	1
Barium	0.13		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:19	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:19	1
Boron	2.3	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:18	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:19	1
Calcium	65		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:19	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:19	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:19	1
Lead	0.00020	J	0.00050	0.00019	mg/L		11/04/24 16:40	11/07/24 14:18	1
Magnesium	35		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:19	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:19	1
Potassium	3.3	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:19	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:18	1
Sodium	94		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:18	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/07/24 14:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	11		1.0	0.12	mg/L			11/09/24 20:55	1
Sulfate (EPA 300.0)	35		1.0	0.21	mg/L			11/09/24 20:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	430	B	5.0	3.7	mg/L			11/04/24 16:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 16:52	1
Total Dissolved Solids (SM 2540C)	540		10	4.3	mg/L			10/29/24 19:23	1
Fluoride (SM 4500 F C)	0.81		0.10	0.056	mg/L			11/18/24 12:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	108.91				ft			10/23/24 08:35	1
Field pH	7.55				SU			10/23/24 08:35	1
Field Temperature	13.7				Degrees C			10/23/24 08:35	1
Oxidation Reduction Potential	143.9				millivolts			10/23/24 08:35	1
Oxygen, Dissolved	0.49				mg/L			10/23/24 08:35	1
Specific Conductance	814				umhos/cm			10/23/24 08:35	1
Turbidity	320.40				NTU			10/23/24 08:35	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_103&

Lab Sample ID: 500-258836-20

Date Collected: 10/23/24 10:20

Matrix: Water

Date Received: 10/24/24 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.072		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 17:39	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		11/04/24 16:40	11/06/24 14:36	1
Arsenic	0.00098	J	0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:20	1
Barium	0.018		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:36	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:36	1
Boron	0.41	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:20	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:36	1
Calcium	220		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:36	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:36	1
Cobalt	0.0050		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:36	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:36	1
Magnesium	220		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:36	1
Molybdenum	0.0064		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:36	1
Potassium	2.4	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:36	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:20	1
Sodium	22		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:20	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	6.0		1.0	0.12	mg/L			11/09/24 21:11	1
Sulfate (EPA 300.0)	950		50	10	mg/L			11/11/24 13:55	50
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	380	B	5.0	3.7	mg/L			11/04/24 17:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 17:02	1
Total Dissolved Solids (SM 2540C)	1900		10	4.3	mg/L			10/29/24 19:25	1
Fluoride (SM 4500 F C)	0.24		0.10	0.056	mg/L			11/18/24 12:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	130.90				ft			10/23/24 10:20	1
Field pH	7.07				SU			10/23/24 10:20	1
Field Temperature	15.0				Degrees C			10/23/24 10:20	1
Oxidation Reduction Potential	102.9				millivolts			10/23/24 10:20	1
Oxygen, Dissolved	4.84				mg/L			10/23/24 10:20	1
Specific Conductance	1882				umhos/cm			10/23/24 10:20	1
Turbidity	7.72				NTU			10/23/24 10:20	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_020

Lab Sample ID: 500-258836-21

Date Collected: 10/23/24 15:45

Matrix: Water

Date Received: 10/24/24 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.026		0.0050	0.0020	mg/L		11/01/24 08:40	11/01/24 18:02	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		11/04/24 16:40	11/06/24 14:38	1
Arsenic	0.0017		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:22	1
Barium	0.023		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:38	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:38	1
Boron	2.2	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:22	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:38	1
Calcium	99		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:38	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:38	1
Cobalt	0.00045	J	0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:38	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:38	1
Magnesium	38		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:38	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:38	1
Potassium	1.4	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:38	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:22	1
Sodium	12		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:22	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 07:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	4.3		2.0	0.23	mg/L			11/09/24 21:26	2
Sulfate (EPA 300.0)	93		2.0	0.41	mg/L			11/09/24 21:26	2
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	310	B	5.0	3.7	mg/L			11/04/24 17:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 17:12	1
Total Dissolved Solids (SM 2540C)	480		10	4.3	mg/L			10/29/24 19:28	1
Fluoride (SM 4500 F C)	0.084	J	0.10	0.056	mg/L			11/18/24 12:56	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	15.69				ft			10/23/24 15:45	1
Field pH	7.13				SU			10/23/24 15:45	1
Field Temperature	14.1				Degrees C			10/23/24 15:45	1
Oxidation Reduction Potential	-25.8				millivolts			10/23/24 15:45	1
Oxygen, Dissolved	0.12				mg/L			10/23/24 15:45	1
Specific Conductance	626				umhos/cm			10/23/24 15:45	1
Turbidity	7.62				NTU			10/23/24 15:45	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_021

Lab Sample ID: 500-258836-22

Date Collected: 10/23/24 11:55

Matrix: Water

Date Received: 10/24/24 11:15

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		11/01/24 08:40	11/01/24 18:07	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		11/04/24 16:40	11/06/24 14:03	1
Arsenic	0.063		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 13:42	1
Barium	0.11		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:03	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:03	1
Boron	0.87		0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:24	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:03	1
Calcium	59		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:03	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:03	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:03	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:03	1
Magnesium	28		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:03	1
Molybdenum	0.0049	J	0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:03	1
Potassium	2.3	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:03	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 13:42	1
Sodium	54		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 13:42	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F1 F2	0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 07:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	1.5		1.0	0.12	mg/L			11/09/24 21:42	1
Sulfate (EPA 300.0)	3.6	F1 F2	1.0	0.21	mg/L			11/09/24 21:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	360	B	5.0	3.7	mg/L			11/04/24 17:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 17:22	1
Total Dissolved Solids (SM 2540C)	400		10	4.3	mg/L			10/29/24 19:30	1
Fluoride (SM 4500 F C)	1.1		0.10	0.056	mg/L			11/18/24 12:20	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	91.90				ft			10/23/24 11:55	1
Field pH	7.60				SU			10/23/24 11:55	1
Field Temperature	14.2				Degrees C			10/23/24 11:55	1
Oxidation Reduction Potential	137.6				millivolts			10/23/24 11:55	1
Oxygen, Dissolved	1.10				mg/L			10/23/24 11:55	1
Specific Conductance	600				umhos/cm			10/23/24 11:55	1
Turbidity	7.71				NTU			10/23/24 11:55	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_036

Lab Sample ID: 500-258836-23

Date Collected: 10/23/24 08:10

Matrix: Water

Date Received: 10/24/24 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.21		0.0050	0.0020	mg/L		11/01/24 08:40	11/01/24 18:29	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		11/04/24 16:40	11/06/24 14:40	1
Arsenic	0.0041	J	0.0050	0.0012	mg/L		11/04/24 16:40	11/07/24 14:36	5
Barium	0.070		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:40	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:40	1
Boron	16	B	1.0	0.25	mg/L		11/04/24 16:40	11/07/24 14:25	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:40	1
Calcium	430		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:40	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:40	1
Cobalt	0.00063	J	0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:40	1
Lead	<0.0025		0.0025	0.00093	mg/L		11/04/24 16:40	11/07/24 14:36	5
Magnesium	65		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:40	1
Molybdenum	0.12		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:40	1
Potassium	24	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:40	1
Selenium	<0.013		0.013	0.0049	mg/L		11/04/24 16:40	11/07/24 14:36	5
Sodium	34		1.0	0.39	mg/L		11/04/24 16:40	11/07/24 14:36	5
Thallium	<0.010		0.010	0.0029	mg/L		11/04/24 16:40	11/07/24 14:36	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 07:35	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			11/09/24 22:29	1
Sulfate (EPA 300.0)	1100		50	10	mg/L			11/11/24 14:10	50
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	190	B	5.0	3.7	mg/L			11/04/24 17:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 17:32	1
Total Dissolved Solids (SM 2540C)	2000		10	4.3	mg/L			10/29/24 19:38	1
Fluoride (SM 4500 F C)	0.19		0.10	0.056	mg/L			11/18/24 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	15.09				ft			10/23/24 08:10	1
Field pH	7.25				SU			10/23/24 08:10	1
Field Temperature	14.7				Degrees C			10/23/24 08:10	1
Oxidation Reduction Potential	-116.9				millivolts			10/23/24 08:10	1
Oxygen, Dissolved	0.12				mg/L			10/23/24 08:10	1
Specific Conductance	1759				umhos/cm			10/23/24 08:10	1
Turbidity	7.32				NTU			10/23/24 08:10	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_037

Lab Sample ID: 500-258836-24

Date Collected: 10/23/24 08:50

Matrix: Water

Date Received: 10/24/24 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0023	J	0.0050	0.0020	mg/L		11/01/24 08:40	11/01/24 18:34	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		11/04/24 16:40	11/06/24 14:42	1
Arsenic	0.040		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:38	1
Barium	0.35		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:42	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:42	1
Boron	2.1	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:38	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:42	1
Calcium	130		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:42	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:42	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:42	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:42	1
Magnesium	62		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:42	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:42	1
Potassium	3.3	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:42	1
Selenium	0.0010	J	0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:38	1
Sodium	100		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:38	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 07:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	40		1.0	0.12	mg/L			11/09/24 22:44	1
Sulfate (EPA 300.0)	290		10	2.1	mg/L			11/11/24 14:26	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	400	B	5.0	3.7	mg/L			11/04/24 17:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 17:41	1
Total Dissolved Solids (SM 2540C)	900		10	4.3	mg/L			10/29/24 19:43	1
Fluoride (SM 4500 F C)	0.54		0.10	0.056	mg/L			11/18/24 13:05	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	9.01				ft			10/23/24 08:50	1
Field pH	7.08				SU			10/23/24 08:50	1
Field Temperature	14.1				Degrees C			10/23/24 08:50	1
Oxidation Reduction Potential	-146.2				millivolts			10/23/24 08:50	1
Oxygen, Dissolved	0.03				mg/L			10/23/24 08:50	1
Specific Conductance	1205				umhos/cm			10/23/24 08:50	1
Turbidity	50.74				NTU			10/23/24 08:50	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_038

Lab Sample ID: 500-258836-25

Date Collected: 10/23/24 14:20

Matrix: Water

Date Received: 10/24/24 11:15

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		11/01/24 08:40	11/01/24 18:38	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		11/04/24 16:40	11/06/24 14:45	1
Arsenic	0.034		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:41	1
Barium	0.21		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:45	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:45	1
Boron	0.53	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:41	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:45	1
Calcium	74		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:45	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:45	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:45	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:45	1
Magnesium	36		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:45	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:45	1
Potassium	3.0	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:45	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:41	1
Sodium	94		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:41	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 08:00	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			11/09/24 23:31	1
Sulfate (EPA 300.0)	0.23	J	1.0	0.21	mg/L			11/09/24 23:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	480	B	5.0	3.7	mg/L			11/04/24 17:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 17:50	1
Total Dissolved Solids (SM 2540C)	570		10	4.3	mg/L			10/29/24 19:46	1
Fluoride (SM 4500 F C)	0.36		0.10	0.056	mg/L			11/18/24 13:21	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.50				ft			10/23/24 14:20	1
Field pH	7.18				SU			10/23/24 14:20	1
Field Temperature	13.7				Degrees C			10/23/24 14:20	1
Oxidation Reduction Potential	139.7				millivolts			10/23/24 14:20	1
Oxygen, Dissolved	0.37				mg/L			10/23/24 14:20	1
Specific Conductance	909				umhos/cm			10/23/24 14:20	1
Turbidity	151.18				NTU			10/23/24 14:20	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_038_FD

Lab Sample ID: 500-258836-26

Date Collected: 10/23/24 14:35

Matrix: Water

Date Received: 10/24/24 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0023	J	0.0050	0.0020	mg/L		11/01/24 08:40	11/01/24 18:52	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		11/04/24 16:40	11/06/24 14:47	1
Arsenic	0.034		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:43	1
Barium	0.22		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:47	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:47	1
Boron	0.52	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:43	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:47	1
Calcium	75		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:47	1
Chromium	0.0011	J	0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:47	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:47	1
Lead	0.00025	J	0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:47	1
Magnesium	37		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:47	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:47	1
Potassium	3.1	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:47	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:43	1
Sodium	94		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:43	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 08:02	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			11/09/24 23:47	1
Sulfate (EPA 300.0)	<1.0		1.0	0.21	mg/L			11/09/24 23:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	500	B	5.0	3.7	mg/L			11/04/24 18:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/04/24 18:00	1
Total Dissolved Solids (SM 2540C)	580		10	4.3	mg/L			10/29/24 19:48	1
Fluoride (SM 4500 F C)	0.36		0.10	0.056	mg/L			11/18/24 13:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.50				ft			10/23/24 14:35	1
Field pH	7.18				SU			10/23/24 14:35	1
Field Temperature	13.7				Degrees C			10/23/24 14:35	1
Oxidation Reduction Potential	139.7				millivolts			10/23/24 14:35	1
Oxygen, Dissolved	0.37				mg/L			10/23/24 14:35	1
Specific Conductance	909				umhos/cm			10/23/24 14:35	1
Turbidity	151.18				NTU			10/23/24 14:35	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_034

Lab Sample ID: 500-258836-28

Date Collected: 10/24/24 08:00

Matrix: Water

Date Received: 10/24/24 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0053		0.0050	0.0020	mg/L		11/01/24 08:40	11/01/24 19:01	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		11/04/24 16:40	11/06/24 14:51	1
Arsenic	0.028		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:47	1
Barium	0.18		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:51	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:51	1
Boron	0.57	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:47	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:51	1
Calcium	71		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:51	1
Chromium	0.0051		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:51	1
Cobalt	0.0012		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:51	1
Lead	0.0025		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:51	1
Magnesium	38		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:51	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:51	1
Potassium	3.1	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:51	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:47	1
Sodium	83		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:47	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	31		1.0	0.12	mg/L			11/10/24 00:18	1
Sulfate (EPA 300.0)	<1.0		1.0	0.21	mg/L			11/10/24 00:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	450		5.0	3.7	mg/L			11/05/24 19:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/05/24 19:59	1
Total Dissolved Solids (SM 2540C)	520		10	4.3	mg/L			10/30/24 22:54	1
Fluoride (SM 4500 F C)	0.62		0.10	0.056	mg/L			11/18/24 13:34	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	15.47				ft			10/24/24 08:00	1
Field pH	7.21				SU			10/24/24 08:00	1
Field Temperature	11.9				Degrees C			10/24/24 08:00	1
Oxidation Reduction Potential	-126.7				millivolts			10/24/24 08:00	1
Oxygen, Dissolved	0.71				mg/L			10/24/24 08:00	1
Specific Conductance	814				umhos/cm			10/24/24 08:00	1
Turbidity	31.43				NTU			10/24/24 08:00	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_041

Lab Sample ID: 500-258836-29

Date Collected: 10/24/24 08:50

Matrix: Water

Date Received: 10/24/24 12:30

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		11/01/24 08:40	11/01/24 19:05	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		11/04/24 16:40	11/06/24 14:54	1
Arsenic	0.012		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 14:50	1
Barium	0.23		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 14:54	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 14:54	1
Boron	3.0	B	0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:50	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 14:54	1
Calcium	85		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 14:54	1
Chromium	0.0013	J	0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 14:54	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 14:54	1
Lead	0.00022	J	0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 14:54	1
Magnesium	41		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 14:54	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 14:54	1
Potassium	3.1	B	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 14:54	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 14:50	1
Sodium	110		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 14:50	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 14:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	50		2.0	0.23	mg/L			11/11/24 14:41	2
Sulfate (EPA 300.0)	<1.0		1.0	0.21	mg/L			11/10/24 00:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	540		5.0	3.7	mg/L			11/05/24 20:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			11/05/24 20:10	1
Total Dissolved Solids (SM 2540C)	680		10	4.3	mg/L			10/30/24 22:57	1
Fluoride (SM 4500 F C)	0.42		0.10	0.056	mg/L			11/18/24 13:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	6.12				ft			10/24/24 08:50	1
Field pH	7.25				SU			10/24/24 08:50	1
Field Temperature	12.8				Degrees C			10/24/24 08:50	1
Oxidation Reduction Potential	-136.2				millivolts			10/24/24 08:50	1
Oxygen, Dissolved	0.05				mg/L			10/24/24 08:50	1
Specific Conductance	1009				umhos/cm			10/24/24 08:50	1
Turbidity	4.49				NTU			10/24/24 08:50	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_YSG01
Date Collected: 10/21/24 09:45
Date Received: 11/06/24 16:15

Lab Sample ID: 500-258836-30
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)	17.48				ft			10/21/24 09:45	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Metals

Prep Batch: 793265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total Recoverable	Water	200.7	
500-258836-5	VER_003R_FD	Total Recoverable	Water	200.7	
500-258836-6	VER_004	Total Recoverable	Water	200.7	
500-258836-7	VER_005	Total Recoverable	Water	200.7	
500-258836-10	VER_042	Total Recoverable	Water	200.7	
500-258836-11	VER_043	Total Recoverable	Water	200.7	
500-258836-12	VER_043_FD	Total Recoverable	Water	200.7	
500-258836-17	VER_002	Total Recoverable	Water	200.7	
500-258836-18	VER_007R	Total Recoverable	Water	200.7	
500-258836-19	VER_101&	Total Recoverable	Water	200.7	
500-258836-20	VER_103&	Total Recoverable	Water	200.7	
MB 500-793265/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-793265/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-258836-10 MS	VER_042_MS	Total Recoverable	Water	200.7	
500-258836-10 MSD	VER_042_MSD	Total Recoverable	Water	200.7	
500-258836-10 DU	VER_042	Total Recoverable	Water	200.7	

Prep Batch: 793428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-21	VER_020	Total Recoverable	Water	200.7	
500-258836-22	VER_021	Total Recoverable	Water	200.7	
500-258836-23	VER_036	Total Recoverable	Water	200.7	
500-258836-24	VER_037	Total Recoverable	Water	200.7	
500-258836-25	VER_038	Total Recoverable	Water	200.7	
500-258836-26	VER_038_FD	Total Recoverable	Water	200.7	
500-258836-28	VER_034	Total Recoverable	Water	200.7	
500-258836-29	VER_041	Total Recoverable	Water	200.7	
MB 500-793428/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-793428/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-258836-22 MS	VER_021_MS	Total Recoverable	Water	200.7	
500-258836-22 MSD	VER_021_MSD	Total Recoverable	Water	200.7	
500-258836-22 DU	VER_021	Total Recoverable	Water	200.7	

Prep Batch: 793555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total Recoverable	Water	3005A	
500-258836-5	VER_003R_FD	Total Recoverable	Water	3005A	
500-258836-6	VER_004	Total Recoverable	Water	3005A	
500-258836-7	VER_005	Total Recoverable	Water	3005A	
500-258836-10	VER_042	Total Recoverable	Water	3005A	
500-258836-11	VER_043	Total Recoverable	Water	3005A	
500-258836-12	VER_043_FD	Total Recoverable	Water	3005A	
MB 500-793555/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-793555/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-258836-10 MS	VER_042_MS	Total Recoverable	Water	3005A	
500-258836-10 MSD	VER_042_MSD	Total Recoverable	Water	3005A	
500-258836-10 DU	VER_042	Total Recoverable	Water	3005A	

Analysis Batch: 793699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total Recoverable	Water	200.7 Rev 4.4	793265

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Metals (Continued)

Analysis Batch: 793699 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-5	VER_003R_FD	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-6	VER_004	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-7	VER_005	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-10	VER_042	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-11	VER_043	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-12	VER_043_FD	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-17	VER_002	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-18	VER_007R	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-19	VER_101&	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-20	VER_103&	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-21	VER_020	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-22	VER_021	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-23	VER_036	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-24	VER_037	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-25	VER_038	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-26	VER_038_FD	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-28	VER_034	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-29	VER_041	Total Recoverable	Water	200.7 Rev 4.4	793428
MB 500-793265/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	793265
MB 500-793428/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	793428
LCS 500-793265/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	793265
LCS 500-793428/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-10 MS	VER_042_MS	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-10 MSD	VER_042_MSD	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-22 MS	VER_021_MS	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-22 MSD	VER_021_MSD	Total Recoverable	Water	200.7 Rev 4.4	793428
500-258836-10 DU	VER_042	Total Recoverable	Water	200.7 Rev 4.4	793265
500-258836-22 DU	VER_021	Total Recoverable	Water	200.7 Rev 4.4	793428

Prep Batch: 793822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-17	VER_002	Total Recoverable	Water	3005A	
500-258836-18	VER_007R	Total Recoverable	Water	3005A	
500-258836-19	VER_101&	Total Recoverable	Water	3005A	
500-258836-20	VER_103&	Total Recoverable	Water	3005A	
500-258836-21	VER_020	Total Recoverable	Water	3005A	
500-258836-22	VER_021	Total Recoverable	Water	3005A	
500-258836-23	VER_036	Total Recoverable	Water	3005A	
500-258836-24	VER_037	Total Recoverable	Water	3005A	
500-258836-25	VER_038	Total Recoverable	Water	3005A	
500-258836-26	VER_038_FD	Total Recoverable	Water	3005A	
500-258836-28	VER_034	Total Recoverable	Water	3005A	
500-258836-29	VER_041	Total Recoverable	Water	3005A	
MB 500-793822/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-793822/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-258836-22 MS	VER_021_MS	Total Recoverable	Water	3005A	
500-258836-22 MSD	VER_021_MSD	Total Recoverable	Water	3005A	
500-258836-22 DU	VER_021	Total Recoverable	Water	3005A	

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Metals

Prep Batch: 793924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	7470A	
500-258836-5	VER_003R_FD	Total/NA	Water	7470A	
500-258836-6	VER_004	Total/NA	Water	7470A	
500-258836-7	VER_005	Total/NA	Water	7470A	
500-258836-10	VER_042	Total/NA	Water	7470A	
500-258836-11	VER_043	Total/NA	Water	7470A	
500-258836-12	VER_043_FD	Total/NA	Water	7470A	
500-258836-17	VER_002	Total/NA	Water	7470A	
500-258836-18	VER_007R	Total/NA	Water	7470A	
500-258836-19	VER_101&	Total/NA	Water	7470A	
500-258836-20	VER_103&	Total/NA	Water	7470A	
MB 500-793924/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-793924/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-258836-10 MS	VER_042_MS	Total/NA	Water	7470A	
500-258836-10 MSD	VER_042_MSD	Total/NA	Water	7470A	
500-258836-10 DU	VER_042	Total/NA	Water	7470A	

Prep Batch: 793926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-21	VER_020	Total/NA	Water	7470A	
500-258836-22	VER_021	Total/NA	Water	7470A	
500-258836-23	VER_036	Total/NA	Water	7470A	
500-258836-24	VER_037	Total/NA	Water	7470A	
500-258836-25	VER_038	Total/NA	Water	7470A	
500-258836-26	VER_038_FD	Total/NA	Water	7470A	
500-258836-28	VER_034	Total/NA	Water	7470A	
500-258836-29	VER_041	Total/NA	Water	7470A	
MB 500-793926/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-793926/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-258836-22 MS	VER_021_MS	Total/NA	Water	7470A	
500-258836-22 MSD	VER_021_MSD	Total/NA	Water	7470A	
500-258836-22 DU	VER_021	Total/NA	Water	7470A	

Analysis Batch: 794179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	7470A	793924
500-258836-5	VER_003R_FD	Total/NA	Water	7470A	793924
500-258836-6	VER_004	Total/NA	Water	7470A	793924
500-258836-7	VER_005	Total/NA	Water	7470A	793924
500-258836-10	VER_042	Total/NA	Water	7470A	793924
500-258836-11	VER_043	Total/NA	Water	7470A	793924
500-258836-12	VER_043_FD	Total/NA	Water	7470A	793924
500-258836-17	VER_002	Total/NA	Water	7470A	793924
500-258836-18	VER_007R	Total/NA	Water	7470A	793924
500-258836-19	VER_101&	Total/NA	Water	7470A	793924
500-258836-20	VER_103&	Total/NA	Water	7470A	793924
500-258836-21	VER_020	Total/NA	Water	7470A	793926
500-258836-22	VER_021	Total/NA	Water	7470A	793926
500-258836-23	VER_036	Total/NA	Water	7470A	793926
500-258836-24	VER_037	Total/NA	Water	7470A	793926
500-258836-25	VER_038	Total/NA	Water	7470A	793926

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Metals (Continued)

Analysis Batch: 794179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-26	VER_038_FD	Total/NA	Water	7470A	793926
500-258836-28	VER_034	Total/NA	Water	7470A	793926
500-258836-29	VER_041	Total/NA	Water	7470A	793926
MB 500-793924/12-A	Method Blank	Total/NA	Water	7470A	793924
MB 500-793926/12-A	Method Blank	Total/NA	Water	7470A	793926
LCS 500-793924/13-A	Lab Control Sample	Total/NA	Water	7470A	793924
LCS 500-793926/13-A	Lab Control Sample	Total/NA	Water	7470A	793926
500-258836-10 MS	VER_042_MS	Total/NA	Water	7470A	793924
500-258836-10 MSD	VER_042_MSD	Total/NA	Water	7470A	793924
500-258836-22 MS	VER_021_MS	Total/NA	Water	7470A	793926
500-258836-22 MSD	VER_021_MSD	Total/NA	Water	7470A	793926
500-258836-10 DU	VER_042	Total/NA	Water	7470A	793924
500-258836-22 DU	VER_021	Total/NA	Water	7470A	793926

Analysis Batch: 794200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total Recoverable	Water	6020B	793555
500-258836-5	VER_003R_FD	Total Recoverable	Water	6020B	793555
500-258836-6	VER_004	Total Recoverable	Water	6020B	793555
500-258836-7	VER_005	Total Recoverable	Water	6020B	793555
500-258836-10	VER_042	Total Recoverable	Water	6020B	793555
500-258836-11	VER_043	Total Recoverable	Water	6020B	793555
500-258836-12	VER_043_FD	Total Recoverable	Water	6020B	793555
500-258836-17	VER_002	Total Recoverable	Water	6020B	793822
500-258836-18	VER_007R	Total Recoverable	Water	6020B	793822
500-258836-19	VER_101&	Total Recoverable	Water	6020B	793822
500-258836-20	VER_103&	Total Recoverable	Water	6020B	793822
500-258836-21	VER_020	Total Recoverable	Water	6020B	793822
500-258836-22	VER_021	Total Recoverable	Water	6020B	793822
500-258836-23	VER_036	Total Recoverable	Water	6020B	793822
500-258836-24	VER_037	Total Recoverable	Water	6020B	793822
500-258836-25	VER_038	Total Recoverable	Water	6020B	793822
500-258836-26	VER_038_FD	Total Recoverable	Water	6020B	793822
500-258836-28	VER_034	Total Recoverable	Water	6020B	793822
500-258836-29	VER_041	Total Recoverable	Water	6020B	793822
MB 500-793555/1-A	Method Blank	Total Recoverable	Water	6020B	793555
MB 500-793822/1-A	Method Blank	Total Recoverable	Water	6020B	793822
LCS 500-793555/2-A	Lab Control Sample	Total Recoverable	Water	6020B	793555
LCS 500-793822/2-A	Lab Control Sample	Total Recoverable	Water	6020B	793822
500-258836-10 MS	VER_042_MS	Total Recoverable	Water	6020B	793555
500-258836-10 MSD	VER_042_MSD	Total Recoverable	Water	6020B	793555
500-258836-22 MS	VER_021_MS	Total Recoverable	Water	6020B	793822
500-258836-22 MSD	VER_021_MSD	Total Recoverable	Water	6020B	793822
500-258836-10 DU	VER_042	Total Recoverable	Water	6020B	793555
500-258836-22 DU	VER_021	Total Recoverable	Water	6020B	793822

Analysis Batch: 794360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total Recoverable	Water	6020B	793555
500-258836-5	VER_003R_FD	Total Recoverable	Water	6020B	793555
500-258836-6	VER_004	Total Recoverable	Water	6020B	793555

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Metals (Continued)

Analysis Batch: 794360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-7	VER_005	Total Recoverable	Water	6020B	793555
500-258836-11	VER_043	Total Recoverable	Water	6020B	793555
500-258836-12	VER_043_FD	Total Recoverable	Water	6020B	793555

Analysis Batch: 794400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-11	VER_043	Total Recoverable	Water	6020B	793555
500-258836-12	VER_043_FD	Total Recoverable	Water	6020B	793555
500-258836-17	VER_002	Total Recoverable	Water	6020B	793822
500-258836-18	VER_007R	Total Recoverable	Water	6020B	793822
500-258836-18	VER_007R	Total Recoverable	Water	6020B	793822
500-258836-19	VER_101&	Total Recoverable	Water	6020B	793822
500-258836-20	VER_103&	Total Recoverable	Water	6020B	793822
500-258836-21	VER_020	Total Recoverable	Water	6020B	793822
500-258836-22	VER_021	Total Recoverable	Water	6020B	793822
500-258836-23	VER_036	Total Recoverable	Water	6020B	793822
500-258836-23	VER_036	Total Recoverable	Water	6020B	793822
500-258836-24	VER_037	Total Recoverable	Water	6020B	793822
500-258836-25	VER_038	Total Recoverable	Water	6020B	793822
500-258836-26	VER_038_FD	Total Recoverable	Water	6020B	793822
500-258836-28	VER_034	Total Recoverable	Water	6020B	793822
500-258836-29	VER_041	Total Recoverable	Water	6020B	793822
MB 500-793822/1-A	Method Blank	Total Recoverable	Water	6020B	793822
LCS 500-793822/2-A	Lab Control Sample	Total Recoverable	Water	6020B	793822
500-258836-22 MS	VER_021_MS	Total Recoverable	Water	6020B	793822
500-258836-22 MSD	VER_021_MS	Total Recoverable	Water	6020B	793822
500-258836-22 DU	VER_021	Total Recoverable	Water	6020B	793822

Analysis Batch: 794406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-22	VER_021	Total Recoverable	Water	6020B	793822
MB 500-793822/1-A	Method Blank	Total Recoverable	Water	6020B	793822
LCS 500-793822/2-A	Lab Control Sample	Total Recoverable	Water	6020B	793822
500-258836-22 MS	VER_021_MS	Total Recoverable	Water	6020B	793822
500-258836-22 MSD	VER_021_MS	Total Recoverable	Water	6020B	793822
500-258836-22 DU	VER_021	Total Recoverable	Water	6020B	793822

General Chemistry

Analysis Batch: 792683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	SM 2540C	
500-258836-5	VER_003R_FD	Total/NA	Water	SM 2540C	
500-258836-6	VER_004	Total/NA	Water	SM 2540C	
500-258836-7	VER_005	Total/NA	Water	SM 2540C	
MB 500-792683/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-792683/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 792855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-10	VER_042	Total/NA	Water	SM 2540C	

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

General Chemistry (Continued)

Analysis Batch: 792855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-11	VER_043	Total/NA	Water	SM 2540C	
500-258836-12	VER_043_FD	Total/NA	Water	SM 2540C	
MB 500-792855/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-792855/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-258836-10 MS	VER_042_MS	Total/NA	Water	SM 2540C	
500-258836-10 MSD	VER_042_MSD	Total/NA	Water	SM 2540C	

Analysis Batch: 792979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-17	VER_002	Total/NA	Water	SM 2540C	
500-258836-18	VER_007R	Total/NA	Water	SM 2540C	
500-258836-19	VER_101&	Total/NA	Water	SM 2540C	
500-258836-20	VER_103&	Total/NA	Water	SM 2540C	
500-258836-21	VER_020	Total/NA	Water	SM 2540C	
500-258836-22	VER_021	Total/NA	Water	SM 2540C	
500-258836-23	VER_036	Total/NA	Water	SM 2540C	
500-258836-24	VER_037	Total/NA	Water	SM 2540C	
500-258836-25	VER_038	Total/NA	Water	SM 2540C	
500-258836-26	VER_038_FD	Total/NA	Water	SM 2540C	
MB 500-792979/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-792979/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-258836-22 MS	VER_021_MS	Total/NA	Water	SM 2540C	
500-258836-22 MSD	VER_021_MSD	Total/NA	Water	SM 2540C	
500-258836-23 DU	VER_036	Total/NA	Water	SM 2540C	

Analysis Batch: 793181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-28	VER_034	Total/NA	Water	SM 2540C	
500-258836-29	VER_041	Total/NA	Water	SM 2540C	
MB 500-793181/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-793181/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 793688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	SM 2320B	
500-258836-5	VER_003R_FD	Total/NA	Water	SM 2320B	
500-258836-6	VER_004	Total/NA	Water	SM 2320B	
500-258836-7	VER_005	Total/NA	Water	SM 2320B	
500-258836-10	VER_042	Total/NA	Water	SM 2320B	
500-258836-11	VER_043	Total/NA	Water	SM 2320B	
500-258836-12	VER_043_FD	Total/NA	Water	SM 2320B	
MB 500-793688/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-793688/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-793688/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-793688/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 793910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-17	VER_002	Total/NA	Water	SM 2320B	
500-258836-18	VER_007R	Total/NA	Water	SM 2320B	
500-258836-19	VER_101&	Total/NA	Water	SM 2320B	

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

General Chemistry (Continued)

Analysis Batch: 793910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-20	VER_103&	Total/NA	Water	SM 2320B	
500-258836-21	VER_020	Total/NA	Water	SM 2320B	
500-258836-22	VER_021	Total/NA	Water	SM 2320B	
500-258836-23	VER_036	Total/NA	Water	SM 2320B	
500-258836-24	VER_037	Total/NA	Water	SM 2320B	
500-258836-25	VER_038	Total/NA	Water	SM 2320B	
500-258836-26	VER_038_FD	Total/NA	Water	SM 2320B	
MB 500-793910/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-793910/3	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 794092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-28	VER_034	Total/NA	Water	SM 2320B	
500-258836-29	VER_041	Total/NA	Water	SM 2320B	
MB 500-794092/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-794092/54	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 794350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	SM 4500 F C	
500-258836-5	VER_003R_FD	Total/NA	Water	SM 4500 F C	
500-258836-6	VER_004	Total/NA	Water	SM 4500 F C	
500-258836-7	VER_005	Total/NA	Water	SM 4500 F C	
500-258836-10	VER_042	Total/NA	Water	SM 4500 F C	
500-258836-11	VER_043	Total/NA	Water	SM 4500 F C	
500-258836-12	VER_043_FD	Total/NA	Water	SM 4500 F C	
MB 500-794350/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-794350/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-258836-10 MS	VER_042_MS	Total/NA	Water	SM 4500 F C	
500-258836-10 MSD	VER_042_MSD	Total/NA	Water	SM 4500 F C	

Analysis Batch: 794364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	300.0	
500-258836-4	VER_003R	Total/NA	Water	300.0	
500-258836-5	VER_003R_FD	Total/NA	Water	300.0	
500-258836-5	VER_003R_FD	Total/NA	Water	300.0	
500-258836-6	VER_004	Total/NA	Water	300.0	
500-258836-7	VER_005	Total/NA	Water	300.0	
500-258836-7	VER_005	Total/NA	Water	300.0	
500-258836-10	VER_042	Total/NA	Water	300.0	
500-258836-11	VER_043	Total/NA	Water	300.0	
MB 500-794364/3	Method Blank	Total/NA	Water	300.0	
LCS 500-794364/4	Lab Control Sample	Total/NA	Water	300.0	
500-258836-10 MS	VER_042_MS	Total/NA	Water	300.0	
500-258836-10 MSD	VER_042_MSD	Total/NA	Water	300.0	

Analysis Batch: 794366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-12	VER_043_FD	Total/NA	Water	300.0	
500-258836-17	VER_002	Total/NA	Water	300.0	

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

General Chemistry (Continued)

Analysis Batch: 794366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-18	VER_007R	Total/NA	Water	300.0	
500-258836-19	VER_101&	Total/NA	Water	300.0	
500-258836-20	VER_103&	Total/NA	Water	300.0	
500-258836-21	VER_020	Total/NA	Water	300.0	
500-258836-22	VER_021	Total/NA	Water	300.0	
500-258836-23	VER_036	Total/NA	Water	300.0	
500-258836-24	VER_037	Total/NA	Water	300.0	
500-258836-25	VER_038	Total/NA	Water	300.0	
500-258836-26	VER_038_FD	Total/NA	Water	300.0	
500-258836-28	VER_034	Total/NA	Water	300.0	
500-258836-29	VER_041	Total/NA	Water	300.0	
MB 500-794366/3	Method Blank	Total/NA	Water	300.0	
LCS 500-794366/4	Lab Control Sample	Total/NA	Water	300.0	
500-258836-12 MS	VER_043_FD	Total/NA	Water	300.0	
500-258836-12 MSD	VER_043_FD	Total/NA	Water	300.0	
500-258836-22 MS	VER_021_MS	Total/NA	Water	300.0	
500-258836-22 MSD	VER_021_MS	Total/NA	Water	300.0	

Analysis Batch: 794801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-18	VER_007R	Total/NA	Water	300.0	
500-258836-20	VER_103&	Total/NA	Water	300.0	
500-258836-23	VER_036	Total/NA	Water	300.0	
500-258836-24	VER_037	Total/NA	Water	300.0	
500-258836-29	VER_041	Total/NA	Water	300.0	
MB 500-794801/3	Method Blank	Total/NA	Water	300.0	
LCS 500-794801/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 795978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-17	VER_002	Total/NA	Water	SM 4500 F C	
500-258836-18	VER_007R	Total/NA	Water	SM 4500 F C	
500-258836-19	VER_101&	Total/NA	Water	SM 4500 F C	
500-258836-20	VER_103&	Total/NA	Water	SM 4500 F C	
500-258836-21	VER_020	Total/NA	Water	SM 4500 F C	
500-258836-22	VER_021	Total/NA	Water	SM 4500 F C	
500-258836-23	VER_036	Total/NA	Water	SM 4500 F C	
500-258836-24	VER_037	Total/NA	Water	SM 4500 F C	
500-258836-25	VER_038	Total/NA	Water	SM 4500 F C	
500-258836-26	VER_038_FD	Total/NA	Water	SM 4500 F C	
500-258836-28	VER_034	Total/NA	Water	SM 4500 F C	
500-258836-29	VER_041	Total/NA	Water	SM 4500 F C	
MB 500-795978/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-795978/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-795978/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-795978/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-258836-22 MS	VER_021_MS	Total/NA	Water	SM 4500 F C	
500-258836-22 MSD	VER_021_MS	Total/NA	Water	SM 4500 F C	

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Field Service / Mobile Lab

Analysis Batch: 794394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	Field Sampling	
500-258836-5	VER_003R_FD	Total/NA	Water	Field Sampling	
500-258836-6	VER_004	Total/NA	Water	Field Sampling	
500-258836-7	VER_005	Total/NA	Water	Field Sampling	
500-258836-10	VER_042	Total/NA	Water	Field Sampling	
500-258836-11	VER_043	Total/NA	Water	Field Sampling	
500-258836-12	VER_043_FD	Total/NA	Water	Field Sampling	
500-258836-17	VER_002	Total/NA	Water	Field Sampling	
500-258836-18	VER_007R	Total/NA	Water	Field Sampling	
500-258836-19	VER_101&	Total/NA	Water	Field Sampling	
500-258836-20	VER_103&	Total/NA	Water	Field Sampling	
500-258836-21	VER_020	Total/NA	Water	Field Sampling	
500-258836-22	VER_021	Total/NA	Water	Field Sampling	
500-258836-23	VER_036	Total/NA	Water	Field Sampling	
500-258836-24	VER_037	Total/NA	Water	Field Sampling	
500-258836-25	VER_038	Total/NA	Water	Field Sampling	
500-258836-26	VER_038_FD	Total/NA	Water	Field Sampling	
500-258836-28	VER_034	Total/NA	Water	Field Sampling	
500-258836-29	VER_041	Total/NA	Water	Field Sampling	
500-258836-30	VER_YSG01	Total/NA	Water	Field Sampling	

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-793265/1-A
Matrix: Water
Analysis Batch: 793699

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 793265

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		10/31/24 09:14	11/01/24 15:16	1

Lab Sample ID: LCS 500-793265/2-A
Matrix: Water
Analysis Batch: 793699

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 793265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.254		mg/L		102	85 - 115

Lab Sample ID: 500-258836-10 MS
Matrix: Water
Analysis Batch: 793699

Client Sample ID: VER_042_MS
Prep Type: Total Recoverable
Prep Batch: 793265

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0050		0.250	0.232		mg/L		93	70 - 130

Lab Sample ID: 500-258836-10 MSD
Matrix: Water
Analysis Batch: 793699

Client Sample ID: VER_042_MSD
Prep Type: Total Recoverable
Prep Batch: 793265

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0050		0.250	0.244		mg/L		98	70 - 130	5	20

Lab Sample ID: 500-258836-10 DU
Matrix: Water
Analysis Batch: 793699

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 793265

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	<0.0050		0.00214	J	mg/L		NC	20

Lab Sample ID: MB 500-793428/1-A
Matrix: Water
Analysis Batch: 793699

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 793428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		11/01/24 08:40	11/01/24 17:45	1

Lab Sample ID: LCS 500-793428/2-A
Matrix: Water
Analysis Batch: 793699

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 793428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.252		mg/L		101	85 - 115

Lab Sample ID: 500-258836-22 MS
Matrix: Water
Analysis Batch: 793699

Client Sample ID: VER_021_MS
Prep Type: Total Recoverable
Prep Batch: 793428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0050		0.250	0.261		mg/L		104	70 - 130

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 500-258836-22 MSD
Matrix: Water
Analysis Batch: 793699

Client Sample ID: VER_021_MSD
Prep Type: Total Recoverable
Prep Batch: 793428

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0050		0.250	0.243		mg/L		97	70 - 130	7	20

Lab Sample ID: 500-258836-22 DU
Matrix: Water
Analysis Batch: 793699

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 793428

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	<0.0050		0.00243	J	mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-793555/1-A
Matrix: Water
Analysis Batch: 794200

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 793555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		11/01/24 16:43	11/06/24 12:25	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		11/01/24 16:43	11/06/24 12:25	1
Barium	<0.0025		0.0025	0.00073	mg/L		11/01/24 16:43	11/06/24 12:25	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/01/24 16:43	11/06/24 12:25	1
Boron	<0.050		0.050	0.013	mg/L		11/01/24 16:43	11/06/24 12:25	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/01/24 16:43	11/06/24 12:25	1
Calcium	<0.20		0.20	0.044	mg/L		11/01/24 16:43	11/06/24 12:25	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/01/24 16:43	11/06/24 12:25	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/01/24 16:43	11/06/24 12:25	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/01/24 16:43	11/06/24 12:25	1
Magnesium	<0.20		0.20	0.049	mg/L		11/01/24 16:43	11/06/24 12:25	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/01/24 16:43	11/06/24 12:25	1
Potassium	<0.50		0.50	0.11	mg/L		11/01/24 16:43	11/06/24 12:25	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/01/24 16:43	11/06/24 12:25	1
Sodium	<0.20		0.20	0.077	mg/L		11/01/24 16:43	11/06/24 12:25	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/01/24 16:43	11/06/24 12:25	1

Lab Sample ID: LCS 500-793555/2-A
Matrix: Water
Analysis Batch: 794200

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 793555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.523		mg/L		105	80 - 120
Arsenic	0.100	0.105		mg/L		105	80 - 120
Barium	0.500	0.496		mg/L		99	80 - 120
Beryllium	0.0500	0.0511		mg/L		102	80 - 120
Boron	1.00	1.01		mg/L		101	80 - 120
Cadmium	0.0500	0.0516		mg/L		103	80 - 120
Calcium	10.0	8.85		mg/L		88	80 - 120
Chromium	0.200	0.206		mg/L		103	80 - 120
Cobalt	0.500	0.534		mg/L		107	80 - 120
Lead	0.100	0.0990		mg/L		99	80 - 120
Magnesium	10.0	10.7		mg/L		107	80 - 120

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

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

Lab Sample ID: LCS 500-793555/2-A

Matrix: Water

Analysis Batch: 794200

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 793555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1.00	1.00		mg/L		100	80 - 120
Potassium	10.0	10.6		mg/L		106	80 - 120
Selenium	0.100	0.105		mg/L		105	80 - 120
Sodium	10.0	10.6		mg/L		106	80 - 120
Thallium	0.100	0.0997		mg/L		100	80 - 120

Lab Sample ID: 500-258836-10 MS

Matrix: Water

Analysis Batch: 794200

Client Sample ID: VER_042_MS

Prep Type: Total Recoverable

Prep Batch: 793555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.534		mg/L		107	75 - 125
Arsenic	0.019		0.100	0.125		mg/L		106	75 - 125
Barium	0.17		0.500	0.659		mg/L		99	75 - 125
Beryllium	<0.0010		0.0500	0.0502		mg/L		100	75 - 125
Boron	0.61		1.00	1.62		mg/L		101	75 - 125
Cadmium	<0.00050		0.0500	0.0519		mg/L		104	75 - 125
Calcium	88		10.0	96.2	4	mg/L		86	75 - 125
Chromium	<0.0050		0.200	0.200		mg/L		100	75 - 125
Cobalt	<0.0010		0.500	0.511		mg/L		102	75 - 125
Lead	<0.00050		0.100	0.0992		mg/L		99	75 - 125
Magnesium	48		10.0	58.1	4	mg/L		98	75 - 125
Molybdenum	<0.0050		1.00	1.02		mg/L		102	75 - 125
Potassium	2.6		10.0	12.9		mg/L		104	75 - 125
Selenium	<0.0025		0.100	0.103		mg/L		103	75 - 125
Sodium	61		10.0	69.4	4	mg/L		86	75 - 125
Thallium	<0.0020		0.100	0.101		mg/L		101	75 - 125

Lab Sample ID: 500-258836-10 MSD

Matrix: Water

Analysis Batch: 794200

Client Sample ID: VER_042_MSD

Prep Type: Total Recoverable

Prep Batch: 793555

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.538		mg/L		108	75 - 125	1	20
Arsenic	0.019		0.100	0.126		mg/L		107	75 - 125	1	20
Barium	0.17		0.500	0.676		mg/L		102	75 - 125	3	20
Beryllium	<0.0010		0.0500	0.0504		mg/L		101	75 - 125	0	20
Boron	0.61		1.00	1.66		mg/L		105	75 - 125	3	20
Cadmium	<0.00050		0.0500	0.0524		mg/L		105	75 - 125	1	20
Calcium	88		10.0	102	4	mg/L		146	75 - 125	6	20
Chromium	<0.0050		0.200	0.202		mg/L		101	75 - 125	1	20
Cobalt	<0.0010		0.500	0.519		mg/L		104	75 - 125	2	20
Lead	<0.00050		0.100	0.100		mg/L		100	75 - 125	1	20
Magnesium	48		10.0	61.0	4	mg/L		127	75 - 125	5	20
Molybdenum	<0.0050		1.00	1.04		mg/L		104	75 - 125	2	20
Potassium	2.6		10.0	13.1		mg/L		106	75 - 125	1	20
Selenium	<0.0025		0.100	0.105		mg/L		105	75 - 125	1	20
Sodium	61		10.0	72.8	4	mg/L		119	75 - 125	5	20
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	2	20

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

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

Lab Sample ID: 500-258836-10 DU

Matrix: Water

Analysis Batch: 794200

Client Sample ID: VER_042

Prep Type: Total Recoverable

Prep Batch: 793555

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.019		0.0197		mg/L		1	20
Barium	0.17		0.165		mg/L		0	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	0.61		0.611		mg/L		0.7	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	88		89.5		mg/L		2	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Magnesium	48		48.9		mg/L		1	20
Molybdenum	<0.0050		<0.0050		mg/L		NC	20
Potassium	2.6		2.59		mg/L		2	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Sodium	61		61.4		mg/L		0.9	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: MB 500-793822/1-A

Matrix: Water

Analysis Batch: 794200

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 793822

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030	0.0013	mg/L		11/04/24 16:40	11/06/24 13:58	1
Barium	<0.0025		0.0025	0.00073	mg/L		11/04/24 16:40	11/06/24 13:58	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		11/04/24 16:40	11/06/24 13:58	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		11/04/24 16:40	11/06/24 13:58	1
Calcium	<0.20		0.20	0.044	mg/L		11/04/24 16:40	11/06/24 13:58	1
Chromium	<0.0050		0.0050	0.0011	mg/L		11/04/24 16:40	11/06/24 13:58	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		11/04/24 16:40	11/06/24 13:58	1
Lead	<0.00050		0.00050	0.00019	mg/L		11/04/24 16:40	11/06/24 13:58	1
Magnesium	<0.20		0.20	0.049	mg/L		11/04/24 16:40	11/06/24 13:58	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		11/04/24 16:40	11/06/24 13:58	1
Potassium	0.121	J	0.50	0.11	mg/L		11/04/24 16:40	11/06/24 13:58	1
Thallium	<0.0020		0.0020	0.00057	mg/L		11/04/24 16:40	11/06/24 13:58	1

Lab Sample ID: MB 500-793822/1-A

Matrix: Water

Analysis Batch: 794400

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 793822

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0010		0.0010	0.00023	mg/L		11/04/24 16:40	11/07/24 13:37	1
Selenium	<0.0025		0.0025	0.00098	mg/L		11/04/24 16:40	11/07/24 13:37	1
Sodium	<0.20		0.20	0.077	mg/L		11/04/24 16:40	11/07/24 13:37	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-793822/1-A
Matrix: Water
Analysis Batch: 794406

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050	0.013	mg/L		11/04/24 16:40	11/07/24 14:17	1

Lab Sample ID: LCS 500-793822/2-A
Matrix: Water
Analysis Batch: 794200

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.550		mg/L		110	80 - 120
Barium	0.500	0.508		mg/L		102	80 - 120
Beryllium	0.0500	0.0514		mg/L		103	80 - 120
Cadmium	0.0500	0.0531		mg/L		106	80 - 120
Calcium	10.0	8.59		mg/L		86	80 - 120
Chromium	0.200	0.201		mg/L		101	80 - 120
Cobalt	0.500	0.545		mg/L		109	80 - 120
Lead	0.100	0.101		mg/L		101	80 - 120
Magnesium	10.0	10.8		mg/L		108	80 - 120
Molybdenum	1.00	1.03		mg/L		103	80 - 120
Potassium	10.0	11.2		mg/L		112	80 - 120
Thallium	0.100	0.100		mg/L		100	80 - 120

Lab Sample ID: LCS 500-793822/2-A
Matrix: Water
Analysis Batch: 794400

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.102		mg/L		102	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Sodium	10.0	10.6		mg/L		106	80 - 120

Lab Sample ID: LCS 500-793822/2-A
Matrix: Water
Analysis Batch: 794406

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: 500-258836-22 MS
Matrix: Water
Analysis Batch: 794200

Client Sample ID: VER_021_MS
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.562		mg/L		112	75 - 125
Barium	0.11		0.500	0.633		mg/L		104	75 - 125
Beryllium	<0.0010		0.0500	0.0522		mg/L		104	75 - 125
Cadmium	<0.00050		0.0500	0.0539		mg/L		108	75 - 125
Calcium	59		10.0	68.5	4	mg/L		92	75 - 125
Chromium	<0.0050		0.200	0.201		mg/L		101	75 - 125
Cobalt	<0.0010		0.500	0.532		mg/L		106	75 - 125
Lead	<0.00050		0.100	0.101		mg/L		101	75 - 125

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

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

Lab Sample ID: 500-258836-22 MS

Matrix: Water

Analysis Batch: 794200

Client Sample ID: VER_021_MS

Prep Type: Total Recoverable

Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	28		10.0	38.5		mg/L		104	75 - 125
Molybdenum	0.0049	J	1.00	1.07		mg/L		106	75 - 125
Potassium	2.3	B	10.0	13.3		mg/L		110	75 - 125
Thallium	<0.0020		0.100	0.101		mg/L		101	75 - 125

Lab Sample ID: 500-258836-22 MS

Matrix: Water

Analysis Batch: 794400

Client Sample ID: VER_021_MS

Prep Type: Total Recoverable

Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.063		0.100	0.163		mg/L		100	75 - 125
Selenium	<0.0025		0.100	0.103		mg/L		103	75 - 125
Sodium	54		10.0	64.6	4	mg/L		107	75 - 125

Lab Sample ID: 500-258836-22 MS

Matrix: Water

Analysis Batch: 794406

Client Sample ID: VER_021_MS

Prep Type: Total Recoverable

Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.87		1.00	1.93		mg/L		106	75 - 125

Lab Sample ID: 500-258836-22 MSD

Matrix: Water

Analysis Batch: 794200

Client Sample ID: VER_021_MSD

Prep Type: Total Recoverable

Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.570		mg/L		114	75 - 125	1	20
Barium	0.11		0.500	0.649		mg/L		107	75 - 125	2	20
Beryllium	<0.0010		0.0500	0.0526		mg/L		105	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0547		mg/L		109	75 - 125	1	20
Calcium	59		10.0	72.7	4	mg/L		134	75 - 125	6	20
Chromium	<0.0050		0.200	0.204		mg/L		102	75 - 125	1	20
Cobalt	<0.0010		0.500	0.543		mg/L		109	75 - 125	2	20
Lead	<0.00050		0.100	0.102		mg/L		102	75 - 125	1	20
Magnesium	28		10.0	40.1		mg/L		119	75 - 125	4	20
Molybdenum	0.0049	J	1.00	1.08		mg/L		108	75 - 125	1	20
Potassium	2.3	B	10.0	13.6		mg/L		112	75 - 125	2	20
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125	1	20

Lab Sample ID: 500-258836-22 MSD

Matrix: Water

Analysis Batch: 794400

Client Sample ID: VER_021_MSD

Prep Type: Total Recoverable

Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.063		0.100	0.159		mg/L		96	75 - 125	3	20
Selenium	<0.0025		0.100	0.101		mg/L		101	75 - 125	2	20
Sodium	54		10.0	66.6	4	mg/L		127	75 - 125	3	20

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

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

Lab Sample ID: 500-258836-22 MSD
Matrix: Water
Analysis Batch: 794406

Client Sample ID: VER_021_MSD
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.87		1.00	2.00		mg/L		113	75 - 125	4	20

Lab Sample ID: 500-258836-22 DU
Matrix: Water
Analysis Batch: 794200

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Barium	0.11		0.122		mg/L		6	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	59		63.9		mg/L		7	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Magnesium	28		29.9		mg/L		6	20
Molybdenum	0.0049	J	0.00450	J	mg/L		8	20
Potassium	2.3	B	2.46		mg/L		6	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-258836-22 DU
Matrix: Water
Analysis Batch: 794400

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.063		0.0653		mg/L		3	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Sodium	54		57.1		mg/L		6	20

Lab Sample ID: 500-258836-22 DU
Matrix: Water
Analysis Batch: 794406

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 793822

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	0.87		0.922		mg/L		6	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-793924/12-A
Matrix: Water
Analysis Batch: 794179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 793924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 09:17	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

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

Lab Sample ID: LCS 500-793924/13-A
Matrix: Water
Analysis Batch: 794179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 793924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00201		mg/L		101	80 - 120

Lab Sample ID: 500-258836-10 MS
Matrix: Water
Analysis Batch: 794179

Client Sample ID: VER_042_MS
Prep Type: Total/NA
Prep Batch: 793924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000900		mg/L		90	75 - 125

Lab Sample ID: 500-258836-10 MSD
Matrix: Water
Analysis Batch: 794179

Client Sample ID: VER_042_MSD
Prep Type: Total/NA
Prep Batch: 793924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000920		mg/L		92	75 - 125	2	20

Lab Sample ID: 500-258836-10 DU
Matrix: Water
Analysis Batch: 794179

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 793924

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 500-793926/12-A
Matrix: Water
Analysis Batch: 794179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 793926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		11/05/24 10:45	11/06/24 07:20	1

Lab Sample ID: LCS 500-793926/13-A
Matrix: Water
Analysis Batch: 794179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 793926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00200		mg/L		100	80 - 120

Lab Sample ID: 500-258836-22 MS
Matrix: Water
Analysis Batch: 794179

Client Sample ID: VER_021_MS
Prep Type: Total/NA
Prep Batch: 793926

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020	F1 F2	0.000999	0.000917		mg/L		92	75 - 125

Lab Sample ID: 500-258836-22 MSD
Matrix: Water
Analysis Batch: 794179

Client Sample ID: VER_021_MSD
Prep Type: Total/NA
Prep Batch: 793926

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020	F1 F2	0.000999	0.00201	F1 F2	mg/L		201	75 - 125	75	20

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 500-258836-22 DU
Matrix: Water
Analysis Batch: 794179

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 793926

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	<0.00020	F1 F2	<0.00020		mg/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-794364/3
Matrix: Water
Analysis Batch: 794364

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			11/09/24 07:37	1
Sulfate	<1.0		1.0	0.21	mg/L			11/09/24 07:37	1

Lab Sample ID: LCS 500-794364/4
Matrix: Water
Analysis Batch: 794364

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	18.8		mg/L		94	90 - 110
Sulfate	20.0	21.2		mg/L		106	90 - 110

Lab Sample ID: 500-258836-10 MS
Matrix: Water
Analysis Batch: 794364

Client Sample ID: VER_042_MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	16		20.0	33.9		mg/L		89	80 - 120
Sulfate	41		20.0	61.6		mg/L		103	80 - 120

Lab Sample ID: 500-258836-10 MSD
Matrix: Water
Analysis Batch: 794364

Client Sample ID: VER_042_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	16		20.0	33.9		mg/L		88	80 - 120	0	20
Sulfate	41		20.0	64.2		mg/L		116	80 - 120	4	20

Lab Sample ID: MB 500-794366/3
Matrix: Water
Analysis Batch: 794366

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			11/09/24 17:16	1
Sulfate	<1.0		1.0	0.21	mg/L			11/09/24 17:16	1

Lab Sample ID: LCS 500-794366/4
Matrix: Water
Analysis Batch: 794366

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	18.9		mg/L		94	90 - 110

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-794366/4

Matrix: Water

Analysis Batch: 794366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Lab Sample ID: 500-258836-12 MS

Matrix: Water

Analysis Batch: 794366

Client Sample ID: VER_043_FD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	66		50.0	113		mg/L		93	80 - 120
Sulfate	21		50.0	69.4		mg/L		96	80 - 120

Lab Sample ID: 500-258836-12 MSD

Matrix: Water

Analysis Batch: 794366

Client Sample ID: VER_043_FD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	66		50.0	113		mg/L		94	80 - 120	1	20
Sulfate	21		50.0	70.0		mg/L		97	80 - 120	1	20

Lab Sample ID: 500-258836-22 MS

Matrix: Water

Analysis Batch: 794366

Client Sample ID: VER_021_MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.5		10.0	10.3		mg/L		88	80 - 120
Sulfate	3.6	F1 F2	10.0	17.0	F1	mg/L		134	80 - 120

Lab Sample ID: 500-258836-22 MSD

Matrix: Water

Analysis Batch: 794366

Client Sample ID: VER_021_MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.5		10.0	10.3		mg/L		88	80 - 120	0	20
Sulfate	3.6	F1 F2	10.0	13.6	F2	mg/L		100	80 - 120	22	20

Lab Sample ID: MB 500-794801/3

Matrix: Water

Analysis Batch: 794801

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			11/11/24 13:08	1
Sulfate	<1.0		1.0	0.21	mg/L			11/11/24 13:08	1

Lab Sample ID: LCS 500-794801/4

Matrix: Water

Analysis Batch: 794801

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.0		mg/L		95	90 - 110
Sulfate	20.0	20.3		mg/L		102	90 - 110

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-793688/28
Matrix: Water
Analysis Batch: 793688

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO ₃	<5.0		5.0	3.7	mg/L			11/01/24 15:45	1
Carbonate Alkalinity as CaCO ₃	<5.0		5.0	3.7	mg/L			11/01/24 15:45	1

Lab Sample ID: MB 500-793688/3
Matrix: Water
Analysis Batch: 793688

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO ₃	<5.0		5.0	3.7	mg/L			11/01/24 11:42	1
Carbonate Alkalinity as CaCO ₃	<5.0		5.0	3.7	mg/L			11/01/24 11:42	1

Lab Sample ID: LCS 500-793688/29
Matrix: Water
Analysis Batch: 793688

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	104		mg/L		104	80 - 120

Lab Sample ID: LCS 500-793688/4
Matrix: Water
Analysis Batch: 793688

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	98.9		mg/L		99	80 - 120

Lab Sample ID: MB 500-793910/2
Matrix: Water
Analysis Batch: 793910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO ₃	8.97		5.0	3.7	mg/L			11/04/24 15:39	1
Carbonate Alkalinity as CaCO ₃	<5.0		5.0	3.7	mg/L			11/04/24 15:39	1

Lab Sample ID: LCS 500-793910/3
Matrix: Water
Analysis Batch: 793910

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	108		mg/L		108	80 - 120

Lab Sample ID: MB 500-794092/53
Matrix: Water
Analysis Batch: 794092

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO ₃	<5.0		5.0	3.7	mg/L			11/05/24 19:29	1
Carbonate Alkalinity as CaCO ₃	<5.0		5.0	3.7	mg/L			11/05/24 19:29	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-794092/54
Matrix: Water
Analysis Batch: 794092

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	103		mg/L		103	80 - 120

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

Lab Sample ID: MB 500-792683/1
Matrix: Water
Analysis Batch: 792683

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			10/28/24 13:41	1

Lab Sample ID: LCS 500-792683/2
Matrix: Water
Analysis Batch: 792683

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	262		mg/L		105	80 - 120

Lab Sample ID: MB 500-792855/1
Matrix: Water
Analysis Batch: 792855

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			10/29/24 10:32	1

Lab Sample ID: LCS 500-792855/2
Matrix: Water
Analysis Batch: 792855

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	250		mg/L		100	80 - 120

Lab Sample ID: 500-258836-10 MS
Matrix: Water
Analysis Batch: 792855

Client Sample ID: VER_042_MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	500		250	774		mg/L		108	75 - 125

Lab Sample ID: 500-258836-10 MSD
Matrix: Water
Analysis Batch: 792855

Client Sample ID: VER_042_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	500		250	772		mg/L		107	75 - 125	0	20

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-792979/1
Matrix: Water
Analysis Batch: 792979

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			10/29/24 19:05	1

Lab Sample ID: LCS 500-792979/2
Matrix: Water
Analysis Batch: 792979

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	274		mg/L		110	80 - 120

Lab Sample ID: 500-258836-22 MS
Matrix: Water
Analysis Batch: 792979

Client Sample ID: VER_021_MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	400		250	660		mg/L		103	75 - 125

Lab Sample ID: 500-258836-22 MSD
Matrix: Water
Analysis Batch: 792979

Client Sample ID: VER_021_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	400		250	672		mg/L		108	75 - 125	2	20

Lab Sample ID: 500-258836-23 DU
Matrix: Water
Analysis Batch: 792979

Client Sample ID: VER_036
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2000		1930		mg/L		1	5

Lab Sample ID: MB 500-793181/1
Matrix: Water
Analysis Batch: 793181

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			10/30/24 22:39	1

Lab Sample ID: LCS 500-793181/2
Matrix: Water
Analysis Batch: 793181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	270		mg/L		108	80 - 120

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-794350/3
Matrix: Water
Analysis Batch: 794350

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			11/06/24 15:05	1

Lab Sample ID: LCS 500-794350/4
Matrix: Water
Analysis Batch: 794350

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.2		mg/L		102	90 - 119

Lab Sample ID: 500-258836-10 MS
Matrix: Water
Analysis Batch: 794350

Client Sample ID: VER_042_MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.52		5.00	5.23		mg/L		94	75 - 125

Lab Sample ID: 500-258836-10 MSD
Matrix: Water
Analysis Batch: 794350

Client Sample ID: VER_042_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.52		5.00	5.31		mg/L		96	75 - 125	2	20

Lab Sample ID: MB 500-795978/3
Matrix: Water
Analysis Batch: 795978

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			11/18/24 11:17	1

Lab Sample ID: MB 500-795978/31
Matrix: Water
Analysis Batch: 795978

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			11/18/24 13:38	1

Lab Sample ID: LCS 500-795978/32
Matrix: Water
Analysis Batch: 795978

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.30		mg/L		93	90 - 119

Lab Sample ID: LCS 500-795978/4
Matrix: Water
Analysis Batch: 795978

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.25		mg/L		92	90 - 119

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Method: SM 4500 F C - Fluoride

Lab Sample ID: 500-258836-22 MS										Client Sample ID: VER_021_MS			
Matrix: Water										Prep Type: Total/NA			
Analysis Batch: 795978													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Fluoride	1.1		5.00	5.58		mg/L		91	75 - 125				

Lab Sample ID: 500-258836-22 MSD										Client Sample ID: VER_021_MSD			
Matrix: Water										Prep Type: Total/NA			
Analysis Batch: 795978													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Fluoride	1.1		5.00	5.65		mg/L		92	75 - 125	1	20		

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_003R

Date Collected: 10/22/24 13:00

Date Received: 10/23/24 12:00

Lab Sample ID: 500-258836-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 15:51
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 12:59
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		20	794360	RN	EET CHI	11/07/24 11:00
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 09:27
Total/NA	Analysis	300.0		1	794364	MM	EET CHI	11/09/24 09:58
Total/NA	Analysis	300.0		20	794364	MM	EET CHI	11/09/24 10:45
Total/NA	Analysis	SM 2320B		1	793688	SO	EET CHI	11/01/24 16:04
Total/NA	Analysis	SM 2540C		1	792683	SO	EET CHI	10/28/24 15:40
Total/NA	Analysis	SM 4500 F C		1	794350	ER	EET CHI	11/06/24 17:21
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/22/24 13:00

Client Sample ID: VER_003R_FD

Date Collected: 10/22/24 13:05

Date Received: 10/23/24 12:00

Lab Sample ID: 500-258836-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 15:56
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 13:06
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		20	794360	RN	EET CHI	11/07/24 11:03
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 09:34
Total/NA	Analysis	300.0		1	794364	MM	EET CHI	11/09/24 11:00
Total/NA	Analysis	300.0		20	794364	MM	EET CHI	11/09/24 11:16
Total/NA	Analysis	SM 2320B		1	793688	SO	EET CHI	11/01/24 16:13
Total/NA	Analysis	SM 2540C		1	792683	SO	EET CHI	10/28/24 15:47
Total/NA	Analysis	SM 4500 F C		1	794350	ER	EET CHI	11/06/24 17:36
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/22/24 13:05

Client Sample ID: VER_004

Date Collected: 10/22/24 12:15

Date Received: 10/23/24 12:00

Lab Sample ID: 500-258836-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 16:09
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 13:15

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_004

Date Collected: 10/22/24 12:15

Date Received: 10/23/24 12:00

Lab Sample ID: 500-258836-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		20	794360	RN	EET CHI	11/07/24 11:10
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 09:36
Total/NA	Analysis	300.0		1	794364	MM	EET CHI	11/09/24 11:32
Total/NA	Analysis	SM 2320B		1	793688	SO	EET CHI	11/01/24 16:22
Total/NA	Analysis	SM 2540C		1	792683	SO	EET CHI	10/28/24 15:55
Total/NA	Analysis	SM 4500 F C		1	794350	ER	EET CHI	11/06/24 17:48
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/22/24 12:15

Client Sample ID: VER_005

Date Collected: 10/22/24 11:30

Date Received: 10/23/24 12:00

Lab Sample ID: 500-258836-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 16:13
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 13:22
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		20	794360	RN	EET CHI	11/07/24 11:12
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 09:38
Total/NA	Analysis	300.0		1	794364	MM	EET CHI	11/09/24 11:47
Total/NA	Analysis	300.0		10	794364	MM	EET CHI	11/09/24 12:03
Total/NA	Analysis	SM 2320B		1	793688	SO	EET CHI	11/01/24 16:34
Total/NA	Analysis	SM 2540C		1	792683	SO	EET CHI	10/28/24 16:02
Total/NA	Analysis	SM 4500 F C		1	794350	ER	EET CHI	11/06/24 18:00
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/22/24 11:30

Client Sample ID: VER_042

Date Collected: 10/22/24 15:10

Date Received: 10/23/24 12:00

Lab Sample ID: 500-258836-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 16:27
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 12:30
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 09:44
Total/NA	Analysis	300.0		2	794364	MM	EET CHI	11/09/24 12:50
Total/NA	Analysis	SM 2320B		1	793688	SO	EET CHI	11/01/24 17:04

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_042

Lab Sample ID: 500-258836-10

Date Collected: 10/22/24 15:10

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	792855	SO	EET CHI	10/29/24 10:36
Total/NA	Analysis	SM 4500 F C		1	794350	ER	EET CHI	11/06/24 15:26
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/22/24 15:10

Client Sample ID: VER_043

Lab Sample ID: 500-258836-11

Date Collected: 10/22/24 15:55

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 16:49
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 13:43
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794360	RN	EET CHI	11/07/24 11:24
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 13:21
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 09:53
Total/NA	Analysis	300.0		5	794364	MM	EET CHI	11/09/24 14:08
Total/NA	Analysis	SM 2320B		1	793688	SO	EET CHI	11/01/24 17:14
Total/NA	Analysis	SM 2540C		1	792855	SO	EET CHI	10/29/24 10:44
Total/NA	Analysis	SM 4500 F C		1	794350	ER	EET CHI	11/06/24 18:37
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/22/24 15:55

Client Sample ID: VER_043_FD

Lab Sample ID: 500-258836-12

Date Collected: 10/22/24 16:00

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 17:03
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 13:45
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794360	RN	EET CHI	11/07/24 11:27
Total Recoverable	Prep	3005A			793555	S1Z	EET CHI	11/01/24 16:43 - 11/01/24 21:43 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 13:24
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 09:59
Total/NA	Analysis	300.0		5	794366	MM	EET CHI	11/09/24 17:47
Total/NA	Analysis	SM 2320B		1	793688	SO	EET CHI	11/01/24 17:25
Total/NA	Analysis	SM 2540C		1	792855	SO	EET CHI	10/29/24 10:46
Total/NA	Analysis	SM 4500 F C		1	794350	ER	EET CHI	11/06/24 18:49

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_043_FD

Lab Sample ID: 500-258836-12

Date Collected: 10/22/24 16:00

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/22/24 16:00

Client Sample ID: VER_002

Lab Sample ID: 500-258836-17

Date Collected: 10/23/24 10:10

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 17:25
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:56
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:52
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 10:10
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 20:24
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 16:31
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:17
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 12:38
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 10:10

Client Sample ID: VER_007R

Lab Sample ID: 500-258836-18

Date Collected: 10/23/24 10:50

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 17:30
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:16
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		50	794400	RN	EET CHI	11/07/24 14:07
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		5	794400	RN	EET CHI	11/07/24 14:09
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 10:12
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 20:39
Total/NA	Analysis	300.0		100	794801	MM	EET CHI	11/11/24 13:39
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 16:43
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:20
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 12:42
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 10:50

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_101&

Lab Sample ID: 500-258836-19

Date Collected: 10/23/24 08:35

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 17:35
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:19
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:18
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 10:14
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 20:55
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 16:52
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:23
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 12:47
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 08:35

Client Sample ID: VER_103&

Lab Sample ID: 500-258836-20

Date Collected: 10/23/24 10:20

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793265	BDE	EET CHI	10/31/24 09:14 - 10/31/24 15:14 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 17:39
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:36
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:20
Total/NA	Prep	7470A			793924	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 10:16
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 21:11
Total/NA	Analysis	300.0		50	794801	MM	EET CHI	11/11/24 13:55
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 17:02
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:25
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 12:51
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 10:20

Client Sample ID: VER_020

Lab Sample ID: 500-258836-21

Date Collected: 10/23/24 15:45

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793428	BDE	EET CHI	11/01/24 08:40 - 11/01/24 14:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 18:02
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:38

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_020

Date Collected: 10/23/24 15:45

Date Received: 10/24/24 11:15

Lab Sample ID: 500-258836-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:22
Total/NA	Prep	7470A			793926	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 07:24
Total/NA	Analysis	300.0		2	794366	MM	EET CHI	11/09/24 21:26
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 17:12
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:28
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 12:56
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 15:45

Client Sample ID: VER_021

Date Collected: 10/23/24 11:55

Date Received: 10/24/24 11:15

Lab Sample ID: 500-258836-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793428	BDE	EET CHI	11/01/24 08:40 - 11/01/24 14:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 18:07
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794406	RN	EET CHI	11/07/24 14:24
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:03
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 13:42
Total/NA	Prep	7470A			793926	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 07:26
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 21:42
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 17:22
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:30
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 12:20
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 11:55

Client Sample ID: VER_036

Date Collected: 10/23/24 08:10

Date Received: 10/24/24 11:15

Lab Sample ID: 500-258836-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793428	BDE	EET CHI	11/01/24 08:40 - 11/01/24 14:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 18:29
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:40
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		20	794400	RN	EET CHI	11/07/24 14:25
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		5	794400	RN	EET CHI	11/07/24 14:36

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_036

Lab Sample ID: 500-258836-23

Date Collected: 10/23/24 08:10

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			793926	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 07:35
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 22:29
Total/NA	Analysis	300.0		50	794801	MM	EET CHI	11/11/24 14:10
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 17:32
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:38
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 13:00
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 08:10

Client Sample ID: VER_037

Lab Sample ID: 500-258836-24

Date Collected: 10/23/24 08:50

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793428	BDE	EET CHI	11/01/24 08:40 - 11/01/24 14:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 18:34
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:42
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:38
Total/NA	Prep	7470A			793926	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 07:37
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 22:44
Total/NA	Analysis	300.0		10	794801	MM	EET CHI	11/11/24 14:26
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 17:41
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:43
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 13:05
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 08:50

Client Sample ID: VER_038

Lab Sample ID: 500-258836-25

Date Collected: 10/23/24 14:20

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793428	BDE	EET CHI	11/01/24 08:40 - 11/01/24 14:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 18:38
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:45
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:41
Total/NA	Prep	7470A			793926	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 08:00
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 23:31

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_038

Lab Sample ID: 500-258836-25

Date Collected: 10/23/24 14:20

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 17:50
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:46
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 13:21
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 14:20

Client Sample ID: VER_038_FD

Lab Sample ID: 500-258836-26

Date Collected: 10/23/24 14:35

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793428	BDE	EET CHI	11/01/24 08:40 - 11/01/24 14:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 18:52
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:47
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:43
Total/NA	Prep	7470A			793926	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 08:02
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/09/24 23:47
Total/NA	Analysis	SM 2320B		1	793910	ER	EET CHI	11/04/24 18:00
Total/NA	Analysis	SM 2540C		1	792979	CLB	EET CHI	10/29/24 19:48
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 13:25
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/23/24 14:35

Client Sample ID: VER_034

Lab Sample ID: 500-258836-28

Date Collected: 10/24/24 08:00

Matrix: Water

Date Received: 10/24/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793428	BDE	EET CHI	11/01/24 08:40 - 11/01/24 14:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 19:01
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:51
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:47
Total/NA	Prep	7470A			793926	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 08:06
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/10/24 00:18
Total/NA	Analysis	SM 2320B		1	794092	ER	EET CHI	11/05/24 19:59
Total/NA	Analysis	SM 2540C		1	793181	CLB	EET CHI	10/30/24 22:54
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 13:34
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/24/24 08:00

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-5
SDG: VER_845_910-911

Client Sample ID: VER_041

Lab Sample ID: 500-258836-29

Date Collected: 10/24/24 08:50

Matrix: Water

Date Received: 10/24/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			793428	BDE	EET CHI	11/01/24 08:40 - 11/01/24 14:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	793699	SJ	EET CHI	11/01/24 19:05
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794200	RN	EET CHI	11/06/24 14:54
Total Recoverable	Prep	3005A			793822	S1Z	EET CHI	11/04/24 16:40 - 11/04/24 20:40 ¹
Total Recoverable	Analysis	6020B		1	794400	RN	EET CHI	11/07/24 14:50
Total/NA	Prep	7470A			793926	MJG	EET CHI	11/05/24 10:45 - 11/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	794179	MJG	EET CHI	11/06/24 08:17
Total/NA	Analysis	300.0		1	794366	MM	EET CHI	11/10/24 00:34
Total/NA	Analysis	300.0		2	794801	MM	EET CHI	11/11/24 14:41
Total/NA	Analysis	SM 2320B		1	794092	ER	EET CHI	11/05/24 20:10
Total/NA	Analysis	SM 2540C		1	793181	CLB	EET CHI	10/30/24 22:57
Total/NA	Analysis	SM 4500 F C		1	795978	SO	EET CHI	11/18/24 13:50
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/24/24 08:50

Client Sample ID: VER_YSG01

Lab Sample ID: 500-258836-30

Date Collected: 10/21/24 09:45

Matrix: Water

Date Received: 11/06/24 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	794394	DN	EET CHI	10/21/24 09:45

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
VERMILION POWER PLANT, NORTH ASH POND AND OLD EAST ASH POND
VER-845-910-911
Job ID: 500-258836-5
SDG: VER_845_910-911

Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q4

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	05-31-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
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

VERMILION POWER PLANT, NORTH
CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

LD EAST ASH POND
VER-845-910-911

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information:		Page 3 of 3	
Company: Vistra Corp-Vermilion		Report To: Brian Voelker		Attention Dianna Tickner		REGULATORY AGENCY	
Address 10188 E 2150 North Rd		Copy To: Sam Davies samantha.davies@vistracorp.com		Company Name Vistra Corp			
Danville, IL 61834		Dianna Tickner - dianna.tickner@vistracorp.com		Address see Section A		NPDES GROUND WATER DRINKING WATER	
Email To. <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.		Quote Reference		UST RCRA OTHER	
Phone (217) 753-8911 Fax		Project Name		Project Manager		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 50022750		Profile #:		STATE IL	

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VER-24Q4 Rev 0	Lorne F. Lewis	10/22/24	0800	N. J. Ellis	10/22/24	1027				
	N. J. Ellis	10/22/24	1203	Stephanie Hemminger FEA	10/22/24	1207				
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER SIGNATURE of SAMPLER							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples In tact (Y/N)
Lorne F. Lewis DATE Signed (MM/DD/YY) 10/23/24										

VERMILION POWER PLANT, NORTH
CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

OLD EAST ASHPOND
506-238836
VER-845-910-911

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information.		Page 3 of 3													
Company: Vistra Corp-Vermilion		Report To: Brian Voelker		Attention: Dianna Tickner		<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td> Site Location STATE </td> <td>IL</td> <td></td> </tr> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location STATE	IL	
REGULATORY AGENCY																			
NPDES	GROUND WATER	DRINKING WATER																	
UST	RCRA	OTHER																	
Site Location STATE	IL																		
Address: 10188 E 2150 North Rd		Copy To: Sam Davies samantha.davies@vistracorp.com		Company Name: Vistra Corp															
Danville, IL 61834		Dianna Tickner - dianna.tickner@vistracorp.com		Address: see Section A															
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.		Quote Reference															
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:															
Requested Due Date/TAT 10 day		Project Number: 50022750		Profile #:															

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER					
SIGNATURE of SAMPLER	DATE Signed (MM/DD/YY)				
Logan Filer Logan Filer					

Page 1 of 3

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER <u>Lorne F. Lewis</u>					
SIGNATURE of SAMPLER <u>[Signature]</u>	DATE Signed (MM/DD/YY) <u>10-24-24</u>				

$$\begin{array}{l} 5.8 \rightarrow 5.6, 3.8 \rightarrow 3.6 \\ 4.3 \rightarrow 4.1, 4.3 \rightarrow 4.1 \end{array}$$

VERMILION POWER PLANT, NORTH ASH POND AND OLD EAST ASH POND
CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

500-250030-845-910-911

Section A
Required Client Information.

Section B
Required Project Information:

Section C
Invoice Information.

Page 2 of 3

Company	Vistra Corp-Vermillion	Report To: Brian Voelker	Attention: Dianna Tickner			
Address	10188 E 2150 North Rd	Copy To Sam Davies samantha.davies@vistracorp.com	Company Name Vistra Corp	REGULATORY AGENCY		
	Danville, IL 61834	Dianna Tickner - dianna.tickner@vistracorp.com	Address see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To	Brian.Voelker@VisiraCorp.com	Purchase Order No.	Quote Reference	UST	RCRA	OTHER
Phone (217) 753-8911	Fax	Project Name	Project Manager	Site Location	IL	
Requested Due Date/TAT 10 day		Project Number 50022750	Profile #	STATE		

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER <i>Corne Filawicz</i>					
SIGNATURE of SAMPLER <i>Corne Filawicz</i>	DATE Signed (MM/DD/YY) <i>10-24-24</i>				

Page 2 of 3

SAMPLER NAME/AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER					
SIGNATURE of SAMPLER	DATE Signed (MM/DD/YY)				



Re: VER sample question

From George Assalley <george@a3e.com>
Date Thu 10/24/2024 9:05 AM
To Dirk Nelson <Dirk.Nelson@et.eurofinsus.com>

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hey Dirk,

The #9 sample bottles collected were from Well Ver_035&D. The COC must have been mislabeled. I apologize for any confusion.

Thanks

George Assalley

[A3 Environmental Consultants](#)

T: (317) 910-8662

On Thu, Oct 24, 2024 at 8:46 AM Dirk Nelson <Dirk.Nelson@et.eurofinsus.com> wrote:

Per sample receiving - Sample #9, received yesterday, was recorded on the COC as VER_035#S, collected on 10/22 at 0855. The bottles received were labeled VER_035&D. Please confirm which well this actually is.

Thanks,

Dirk Nelson

Project Management Assistant

Eurofins Environment Testing North Central - Chicago

[2417 Bond Street](#)

[University Park, IL 60484 USA](#)

Phone: 708-534-5200 ext. 847116

Dirk.Nelson@ET.EurofinsUS.com

www.EurofinsUS.com/Env

Follow Us! [Facebook](#) | [LinkedIn](#)

Due Diligence • Remediation • Ecology • Industrial Health

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-258836-5
SDG Number: VER_845_910-911

Login Number: 258836

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	2.9,5.1,4.2,3.4,3.6,5.6,3.6,4.1,4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No sample date and/or time on COC, logged in per container labels.
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.	False	No date or time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

[illegible]

No sample collected
Well was dry During water level collection

PROJECT INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)

no sample collected
Well was dry during water level collection

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: **Vermillion**Client: **Visira**

Project Number:

Task #:

Start Date: 10/21/2024

dbn 120424 Time: 1035

Time: 1035

Field Personnel:

Finish Date:

10

Time:

WELL INFORMATION

Well ID: 071H5

Casing ID: _____ inches

EVENT TYPE

Low-Flow / Low Stress Sampling Other (Specify): Low Flow

YSI SERIAL NO

WATER QUALITY INDICATOR PARAMETERS (continued)

[illegible]

No sample collected
well was dry During water level collection

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

[illegible]

No Sample collected
well was Dry Drying water level collection

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: **Vermillion**

Project Number:

Task #:

Field Personnel:

Finish Date:

Client:

Start Date: 10 / 21 / 2024 dbn 120424

Time: 1230

Time:

EVENT TYPE

Low-Flow / Low Stress Sampling Other (Specify): Low Flow

YSI SERIAL NO

WELL INFORMATION

Well ID: 050-1

inches

WATER QUALITY INDICATOR PARAMETERS (continued)

[illegible]

No Sample collected
well was dry During water level collection

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

[illegible]

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

[illegible]

[illegible]

PROJECT INFORMATION											
Site: Vermillion	Client: Vistra	Task #: 2024.0009	Start Date: 10/22/2024	Time: 1100							
Field Personnel: G. Assa	Finish Date: 10/22/2024	Time: 1140									
WELL INFORMATION			EVENT TYPE								
Well ID: 015	Well Development	Low-Flow / Low Stress Sampling			YSI SERIAL NO						
Casing ID: inches	Well Volume Approach Sampling	Other (Specify): Low Flow			1101474X						
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	—	8.79	—	—	—	—	+/- 0.2	—	+/- 10	—
Pre	1105	0.5	9.22	—	15.3	7.37	743	2.43	5.30	42.1	Cloudy
	1110	0.5	9.29	—	15.2	7.39	736	0.20	1.74	13	—
	1115	1	9.21	—	15.1	7.39	737	0.17	1.25	5.0	—
	1120	1.5	8.82	—	15.2	7.40	739	0.20	1.52	0.5	—
	1125	2	9.29	—	15.1	7.39	738	0.11	1.15	-3.5	—
Sample	1130	2.5	8.99	—	—	—	—	—	—	—	—
NOTES (continued)										ABBREVIATIONS	
Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable m - Not Measured										ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp. - Temperature °C - Degrees Celsius	
10/22/24 Sampled @ 1130											

Ver-D5

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermillion</u>	Client: <u>Vistra</u>	Start Date: <u>10/23/2024</u>	Time: <u>08:10:25</u>								
Project Number: <u>0044</u>	Task #: _____	Finish Date: <u>10/23/24</u>	Time: <u>11:15</u>								
Field Personnel: <u>G. Plummer</u>											
WELL INFORMATION				EVENT TYPE							
Well ID: <u>078</u>	Well Development	Low-Flow / Low Stress Sampling			YSI SERIAL NO <u>H06010014</u>						
Casing ID: _____	Well Volume Approach Sampling	Other (Specify): <u>Low Flow</u>			<u>4101474X</u>						
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µS/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>0745 1025</u>	<u>0</u>	<u>17.13</u>								
<u>Purge</u>	<u>0745 1030</u>	<u>0.5</u>	<u>18.11</u>		<u>16.3</u>	<u>7.22</u>	<u>2548</u>	<u>146</u>	<u>120.05</u>	<u>-88.6</u>	<u>Must 100%</u>
<u>↓</u>	<u>0745 1035</u>	<u>1</u>	<u>18.23</u>		<u>16.5</u>	<u>7.22</u>	<u>2582</u>	<u>0.69</u>	<u>6.04</u>	<u>-86.4</u>	<u>Clear</u>
<u>↓</u>	<u>0745 1040</u>	<u>1.5</u>			<u>16.6</u>	<u>7.22</u>	<u>2582</u>	<u>0.65</u>	<u>2.57</u>	<u>-85.7</u>	<u>↓</u>
<u>↓</u>	<u>0745 1045</u>	<u>2</u>	<u>18.70</u>		<u>16.5</u>	<u>7.21</u>	<u>2577</u>	<u>0.73</u>	<u>3.18</u>	<u>-78.01</u>	<u>↓</u>
<u>Sample</u>	<u>0745 1050</u>										<u>Orange</u>
<u>End</u>	<u>1110</u>		<u>19.10</u>								
NOTES (continued)				ABBREVIATIONS							
<u>078 @ 1050 on 10/23/24</u>				Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable am - Not Measured							
				ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp. - Temperature C - Degrees Celsius							

* Water became turbid during collection

[illegible]

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Visstra</u>		Start Date: <u>10/22/2024</u> Time: <u>0800</u>							
Project Number: <u>0099</u>		Task #: <u>6. Assessment</u>		Finish Date: <u>10/22/2024</u> Time: <u>0855</u>							
Field Personnel: <u>G. Aspinwall</u>											
WELL INFORMATION											
Well ID: <u>16a</u>		Inches		Well Development		EVENT TYPE					
Casing ID:				Well Volume Approach Sampling		Low-Flow / Low Stress Sampling					
				Well Volume Approach 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. (us/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
1	0810	0.5	10.57	---	12.6	7.57	1187	1.09	602.20	---	---
2	0815	1	13.03	---	12.6	7.57	1146	0.72	90.68	---	CLC
3	0820	1.5	14.01	---	12.6	7.57	1109	0.42	97.34	---	---
4	0825	2	15.32	---	12.6	7.57	1098	0.43	91.43	---	---
5	0830	2.5	16.04	---	12.6	7.57	1087	0.37	94.32	---	---
6	0835	4	17.34	---	12.6	7.57	---	---	---	---	---
7	0840	---	---	---	---	---	---	---	---	---	---
8	0845	---	---	---	---	---	---	---	---	---	---
9	0850	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---
NOTES (continued)											
sampled @ 0840 on 10/22/24											
16a at 0840 on 10/22/24											
ABBREVIATIONS											
Cond - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable nm - Not Measured °C - Degrees Celsius											

PROJECT INFORMATION											
Site: Vermillion	Client: Vistra	Task #: 99	Start Date: 12/2/2024	Time: 0850	Finish Date: Same	Time: 0935					
Project Number: 99	Field Personnel: have										
WELL INFORMATION					EVENT TYPE						
Well ID: 172	Well Development	Low-Flow / Low Stress Sampling			YSI SERIAL NO235100 24						
Casing ID: 2	Well Volume	Approach 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
Purge	0855		49.90		12.4	7.15	1813	80	192.10	37.7	Rusty
Purge	0900		53.50		12.4	7.12	1812	91	140.10	31.5	
	0905		59.50		12.4	7.12	1814	100	155.70	52.3	
	0910		61.90								
	0915										
	0920										
	0925										
	0930										
NOTES (continued)										ABBREVIATIONS	
										Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable nm - Not Measured	
										ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp. - Temperature C - Degrees Celsius	

17@ Hurricane Pump.
Well went Dry At 62.20
No Sample

[illegible]

Ver-20
 @ 1545 on 10/22/24
 3 dbn 110824

PROJECT INFORMATION											
Site: Vermillion	Client: Vistra	Start Date: 07/23/2024	Time: 11:15								
Project Number: 0099	Task #:	Finish Date: Same	Time:								
Field Personnel: Larve											
WELL INFORMATION				EVENT TYPE							
Well ID: 21	Well Development	Low-Flow / Low Stress Sampling		YSI SERIAL NO 235100247							
Casing ID: 2	Well Volume Approach Sampling	Other (Specify): Low Flow		V102-916X							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µS/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mv) 10%	Visual Clarity
Pre	1120		91.90								Clear →
Purge	1125		93.60		14.5	7.44	626	2.69	11.89	96.3	
	1130		94.00		14.2	7.54	621	1.76	9.82	114.9	
	1135		94.20		13.9	7.58	607	1.30	7.61	128.7	
	1140		94.31		14.4	7.58	604	1.19	9.92	131.8	
	1145		94.32		14.4	7.58	605	1.19	9.82	133.0	
	1150		94.33		14.3	7.59	603	1.12	8.22	135.1	
	1155	3.56	94.35		14.2	7.60	600	1.10	7.71	137.4	
NOTES (continued)				ABBREVIATIONS							
				Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable mm - Not Measured							
				ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp. - Temperature °C - Degrees Celsius							

21 @ 1155
21 ms @ 1210
21 msD @ 1225

[illegible]

220020

PROJECT INFORMATION											
Site: <u>Vermillion</u>	Client: <u>Yistra</u>	Task #: _____	Start Date: <u>10/24/2024</u>	Time: <u>0730</u>							
Field Personnel: <u>G. Armstrong</u>	Finish Date: <u>10/24/24</u>	Time: <u>0810</u>									
WELL INFORMATION			EVENT TYPE								
Well ID: <u>34</u>	Inches		Well Development			Low-Flow / Low Stress Sampling					
Casing ID: <u>34</u>			Well Volume Approach Sampling			Other (Specify): <u>Low Flow</u>					
YSI SERIAL NO <u>100448804</u> <u>41014147</u>											
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) ±0.1	pH (SU) ±0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>PRE</u>	<u>0735</u>	<u>—</u>	<u>15.47</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>4.02</u>	<u>2.0</u>	<u>4/-10</u>	<u>Clear</u>
<u>Purge</u>	<u>0740</u>	<u>0.52</u>	<u>15.21</u>	<u>—</u>	<u>11.7</u>	<u>7.24</u>	<u>812</u>	<u>1.95</u>	<u>16.71</u>	<u>-102.2</u>	<u>Clear</u>
<u>↓</u>	<u>0745</u>	<u>0.5</u>	<u>15.34</u>	<u>—</u>	<u>11.8</u>	<u>7.21</u>	<u>810</u>	<u>0.79</u>	<u>30.44</u>	<u>-121.8</u>	<u>↓</u>
<u>↓</u>	<u>0750</u>	<u>1</u>	<u>15.47</u>	<u>—</u>	<u>11.9</u>	<u>7.21</u>	<u>813</u>	<u>0.81</u>	<u>30.01</u>	<u>-124.01</u>	<u>↓</u>
<u>↓</u>	<u>0755</u>	<u>2</u>	<u>15.63</u>	<u>—</u>	<u>11.9</u>	<u>7.21</u>	<u>814</u>	<u>0.71</u>	<u>31.43</u>	<u>-126.7</u>	<u>↓</u>
<u>Sample</u>	<u>0800</u>	<u>2.0</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>Final</u>	<u>0805</u>	<u>3.5</u>	<u>15.7</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
NOTES (continued)										ABBREVIATIONS	
										Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable cm - Not Measured	
										ORP - Oxidation-Reduction Potential SEC - Specific Temp. - Temperature °C - Degrees Celsius	

[illegible]

350 @ 0855

[illegible]

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Vermilion		Client: Vista									
Project Number: 8099		Task #: 1300		Time: 1300							
Field Personnel: Corne		Finish Date: Same		Time: 1300							
WELL INFORMATION											
Well ID: 38		Well Development		EVENT TYPE							
Casing ID: 2		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) 10%	pH (SU) +/- .01	SEC or Cond. (µS/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mv) 10%	Visual Clarity
Pre	1320		8.50		14.4	7.17	908	77	42.78	110.9	Clear
Pre	1325		8.50		14.3	7.19	907	59	154.20	127.3	
	1330		8.50		14.2	7.19	905	57	240.20	130.3	
	1335		8.50		14.1	7.18	907	55	14.26	131.6	
	1340		8.50		14.1	7.18	906	50	183.46	132.6	
	1345		8.50		14.0	7.18	906	49	144.52	134.5	
	1350		8.50		13.5	7.19	902	40	106.24	135.6	
	1355		8.50		13.7	7.18	902	38	240.34	137.7	
	1400		8.50		13.6	7.18	902	38	178.52	138.6	
	1405		8.50		13.6	7.18	903	37	82.50	139.0	
	1410		8.50		13.7	7.18	911	37	86.92	139.8	
	1415		8.50		13.7	7.18	909	37	151.18	139.7	
	1420		8.50								
NOTES (continued)											
ABBREVIATIONS											
Conc. - Actual Conductivity FT BTCC - Feet Below Top of Casing na - Not Applicable nm - Not Measured °C - Degrees Celsius ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp. - Temperature °C - Degrees Celsius											

Took Sample at 1440

38 @ 1420

38 FD @ 1435

PROJECT INFORMATION											
Site: <u>Vermillion</u>	Client: <u>Vistra</u>	Start Date: <u>10/24/2024</u>	Time: <u>0815</u>								
Project Number: <u>0099</u>	Task #: <u>0099</u>	Finish Date: <u>10/24/24</u>	Time: <u>0855</u>								
Field Personnel: <u>G. ROSENBERG</u>											
WELL INFORMATION				EVENT TYPE							
Well ID: <u>41</u>	Well Development	Well Volume Approach Sampling			Low-Flow / Low Stress Sampling						
Casing ID: <u>41</u>	Well Volume	Approach Sampling			Other (Specify): Low Flow						
	inches	YSI SERIAL NO <u>11814-1X</u>									
		11814-1X Heros 1004g									
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pm</u>	<u>0815</u>	<u>—</u>	<u>6.12</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>P.m.</u>	<u>0820</u>	<u>0.5</u>	<u>6.12</u>	<u>—</u>	<u>12.4</u>	<u>7.23</u>	<u>1007</u>	<u>0.47</u>	<u>4.09</u>	<u>-101.3</u>	<u>CLEAR</u>
<u>↓</u>	<u>0825</u>	<u>1</u>	<u>6.29</u>	<u>—</u>	<u>12.9</u>	<u>7.24</u>	<u>1007</u>	<u>0.17</u>	<u>13.32</u>	<u>-121.4</u>	<u>↓</u>
<u>↓</u>	<u>0830</u>	<u>2</u>	<u>7.26</u>	<u>—</u>	<u>12.3</u>	<u>7.25</u>	<u>1004</u>	<u>0.10</u>	<u>19.73</u>	<u>-128.4</u>	<u>↓</u>
<u>↓</u>	<u>0835</u>	<u>3</u>	<u>7.24</u>	<u>—</u>	<u>12.9</u>	<u>7.25</u>	<u>1008</u>	<u>0.08</u>	<u>4.94</u>	<u>-131.4</u>	<u>↓</u>
<u>↓</u>	<u>0840</u>	<u>3.5</u>	<u>7.12</u>	<u>—</u>	<u>12.3</u>	<u>7.24</u>	<u>1004</u>	<u>0.06</u>	<u>4.14</u>	<u>-133.9</u>	<u>↓</u>
<u>↓</u>	<u>0845</u>	<u>4</u>	<u>—</u>	<u>—</u>	<u>12.3</u>	<u>7.25</u>	<u>1009</u>	<u>0.05</u>	<u>4.49</u>	<u>-136.2</u>	<u>↓</u>
<u>SAMPLE</u>	<u>0850</u>	<u>4.5</u>	<u>7.21</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
NOTES (continued)										ABBREVIATIONS	
Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable um - Not Measured											
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp. - Temperature °C - Degrees Celsius											

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Vermillion		Client: Vistra									
Project Number: 0099		Task #: 1405		Start Date: 10/22/2024 Time: 1405							
Field Personnel: Corne		Finish Date: Same		Time:							
WELL INFORMATION											
Well ID: 42		Well Development		EVENT TYPE							
Casing ID: 2		Well Volume Approach Sampling		Low-Flow / Low Stress Sampling							
				Other (Specify): Low Flow							
				YSI SERIAL NO 238100249							
				0102916X							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µS/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mv) 10%	Visual Clarity
Pre	1410		26.70		12.5	7.63	864	2.19	18.80	120.5	Clear
Purge	1415		26.95		11.9	7.67	860	1.47	14.20	146.0	
	1420		26.96		11.9	7.66	857	1.31	10.55	147.0	
	1425		26.96		11.9	7.66	857	1.29	9.82	146.6	
	1430		26.96		11.8	7.66	858	1.24	8.93	145.5	
	1435		26.96		11.8	7.66	857	1.22	7.19	145.0	
	1440	46AL	26.96								
NOTES (continued)											
ABBREVIATIONS											
Cond - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable nm - Not Measured ORP - Oxidation-Reduction Potential, SEC - Specific Electrical Conductance SU - Standard Units Temp - Temperature °C - Degrees Celsius											

42 @ 1440
42MS @ 1455
42MSD @ 1510

53

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermillion</u>	Client: <u>Vistra</u>	Start Date: <u>10/22/2024</u>	Time: <u>1520</u>								
Project Number: <u>2024-0304</u>	Task #: _____	Finish Date: <u>10/22/24</u>	Time: <u>1610</u>								
Field Personnel: <u>G. Assaf</u>											
WELL INFORMATION				EVENT TYPE							
Well ID: <u>43</u>	Well Development	Low-Flow / Low Stress Sampling			YSI SERIAL NO <u>4101474X</u>						
Casing ID: _____	Well Volume Approach Sampling	Other (Specify): <u>Low Flow</u>									
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pro</u>	<u>1520</u>	<u>—</u>	<u>16.52</u>	<u>—</u>	<u>+/- 0.1</u>	<u>+/- 0.1</u>	<u>—</u>	<u>+/- 0.2</u>	<u>—</u>	<u>+/- 10</u>	<u>—</u>
<u>Purge</u>	<u>1525</u>	<u>0.5</u>	<u>17.66</u>	<u>—</u>	<u>13.2</u>	<u>7.16</u>	<u>1014</u>	<u>1.59</u>	<u>5.60</u>	<u>-89.8</u>	<u>C120N</u>
	<u>1530</u>	<u>0.5</u>	<u>18.10</u>	<u>—</u>	<u>12.8</u>	<u>7.27</u>	<u>1010</u>	<u>0.41</u>	<u>20.23</u>	<u>-125.5</u>	<u>—</u>
	<u>1535</u>	<u>1</u>	<u>18.34</u>	<u>—</u>	<u>12.7</u>	<u>7.30</u>	<u>1001</u>	<u>0.22</u>	<u>35.21</u>	<u>-177.3</u>	<u>—</u>
	<u>1540</u>	<u>1.5</u>	<u>18.41</u>	<u>—</u>	<u>12.7</u>	<u>7.31</u>	<u>994</u>	<u>0.15</u>	<u>8.21</u>	<u>-143.0</u>	<u>—</u>
	<u>1545</u>	<u>2</u>	<u>18.51</u>	<u>—</u>	<u>12.7</u>	<u>7.32</u>	<u>997</u>	<u>0.10</u>	<u>6.33</u>	<u>-146.7</u>	<u>—</u>
	<u>1550</u>	<u>2.5</u>	<u>—</u>	<u>—</u>	<u>12.6</u>	<u>7.32</u>	<u>987</u>	<u>0.09</u>	<u>8.45</u>	<u>-148.4</u>	<u>—</u>
<u>Sample</u>	<u>1555</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>Sample</u>	<u>1600</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>Final</u>	<u>1605</u>	<u>3.5</u>	<u>18.69</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
NOTES (continued)				ABBREVIATIONS							
				Cond. - Actual Conductivity FT BTDC - Feet Below Top of Casing na - Not Applicable nm - Not Measured							
				ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp. - Temperature °C - Degree Celsius							

Ver_43 (a) 555 on 10/22/24

705 @ 1325

20

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Vermilion		Client: Vistra									
Project Number: 0099		Task #: 12/3/2024		Time: 0730							
Field Personnel: Corne		Finish Date: Same		Time:							
WELL INFORMATION				EVENT TYPE							
Well ID: 1014		Well Development		Low-Flow / Low Stress Sampling							
Casing ID: 2		Well Volume Approach Sampling		Other (Specify): Low Flow							
				YSI SERIAL NO 23516249							
				U102910X							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
Pre	0735		108.91			7.21	976	2.44	21.89	65.6	Clear
Purge	0740		108.99		13.6	7.21	976	2.44	21.89	65.6	
	0745		111.20		13.2	7.51	862	2.80	113.80	114.1	
	0750		111.92		13.2	7.52	857	2.64	159.40	124.0	
	0755		112.30		13.3	7.52	850	2.64	263.85	129.3	
	0800		113.42		13.4	7.54	845	2.63	325.4	132.8	
	0805		113.60		13.5	7.54	840	2.59	403.91	135.1	
	0810		113.65		13.5	7.54	835	2.55	500.2	137.1	
	0815		113.66		13.5	7.55	835	2.54	771.0	138.2	
	0820		113.69		13.6	7.55	831	2.53	93.51	140.3	
	0825		112.72		13.6	7.55	831	2.51	94.40	141.6	
	0830		113.74		13.7	7.55	812	2.50	240.20	143.1	
	0835	564	113.80		13.7	7.55	814	2.49	320.40	143.9	
NOTES (continued)											
1 Hr. Take Sample											
1014 @ 0835											
ABBREVIATIONS											
Cond. - Actual Conductivity FT BTIC - Feet Below Top of Casing na - Not Applicable nm - Not Measured											
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp - Temperature °C - Degrees Celsius											

PROJECT INFORMATION										
Site: Vermillion	Client: Viestra	Task #: 0935	Start Date: 10/27/2024	Time: 0935						
Project Number: 0099	Finish Date: 5/20/25	Time: 110824								
Field Personnel: Corne										
WELL INFORMATION					EVENT TYPE					
Well ID: 1038	Well Development	Low-Flow / Low Stress Sampling			YSI SERIAL NO 235700249					
Casing ID: 2	Well Volume	Approach Sampling			Other (Specify): Low Flow					
inches										
WATER QUALITY INDICATOR PARAMETERS (continued)										
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
Pre 0940			130.90							Clear
PV-ge 0945			133.10	14.4	7.09	1866	5.61	106.04	87.4	
0950			133.90	14.7	7.07	1878	4.99	86.14	91.3	
0955			134.00	15.0	7.07	1881	4.83	40.89	95.8	
1000			134.10	15.0	7.07	1880	4.79	25.8	97.5	
1005			134.75	15.0	7.07	1881	4.80	16.75	99.7	
1010			135.25	14.9	7.07	1882	4.82	10.17	100.0	
1015			135.72	14.9	7.07	1881	4.83	8.89	101.7	
1020		4 GAL	136.10	15.0	7.07	1882	4.84	7.22	102.9	
NOTES (continued)										
ABBREVIATIONS										
Cond. - Actual Conductivity FT BTDC - Feet Below Top of Casing na - Not Applicable °C - Degrees Celsius										
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp. - Temperature										

103 \$ @ 1020

[illegible]

Wed 1 @ 1150
Wed 1 FD @ 1210

M

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
VERMILION POWER PLANT, NORTH ASH POND AND OLD EAST ASH POND
VER-845-910-911

SAR-4: Plant Sampling and Analysis Request

Event: VER-24Q4

Date Generated: 09/19/2024

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Serial Number	Does Data Logger Serial No Match?	WL Reading on Transducer (ft)	Data download	Batt (H/M/L/R)	Comments	Initials
02	VER_002	10/21	1250	19.49	21863664	---	---	---	---	No transducer	
03R	VER_003R	10/21	1300	8.92	21863701	NO	---	Y	H	Battery replaced	*
04	VER_004	10/21	1330	8.80	21615494	Y	582.34	Y	H	8.80 DTW	
05	VER_005	10/21	1340	8.80	21863665	Yes	587.5015	Y	H	8.80 DTW	
07R	VER_007R	10/21	1250	17.35	21863672	---	---	---	---	No transducer	
08R	VER_008R	10/21	1300	Dry	21615142	NO	---	Y	H	Battery replaced	*
10	VER_010	10/21	1010	51.08	21629313	21921674	608.6323	Yes	high	wrong #	
101	VER_101&	10/21	0915	108.55	21739729	Y	598.0711	Y	H		
103	VER_103&	10/21	1130	131.22	21615619	Yes	589.4877	Y	H		
16A	VER_016A	10/21	1045	9.51	TBD	---	---	---	---	No transducer	
17	VER_017	10/21	1225	40.22	21615573	---	---	---	---	No transducer	
20	VER_020	10/21	1325	15.80	21863671	Yes	570.9014	Y	H		
21	VER_021	10/21	1120	42.02	21615622	Y	581.3864	Y	H		
22	VER_022	10/21	1010	56.02	21739726	Yes	602.8842	Y	Med.	DTW: 56.02	
34	VER_034	10/21	1330	13.47	21615519	Yes	578.519	X	H		
35D	VER_035&D	10/21	1055	11.09	TBD	---	---	---	---	No transducer	
36	VER_036	10/21	1240	15.10	21863668	---	---	---	---	No transducer	
37	VER_037	10/21	1240	9.20	21863670	---	---	---	---	No transducer	
38	VER_038	10/21	1315	8.39	21863674	Y	583.9873	Y	H		
41	VER_041	10/21	1305	7.05	21615517	Y	580.6167	Y	H		
42	VER_042	10/21	1200	26.92	21863663	Y	533.5914	Y	H	Battery replaced	*
43	VER_043	10/21	1205	10.88	21615627	Yes	591.3798	Y	M		
70D	VER_070&D	10/21	1020	33.78	21615620	Yes	500.9757	Y	H		
70S	VER_070#S	10/21	1020	15.46	21615597	NO	608.6323	NO	H	21921674	
71D	VER_071&D	10/21	1035	Dry	21863675	Yes	544.1344	Y	M	Dry	
71S	VER_071#S	10/21	1035	Dry	21615599	Yes	507.7363	Y	H	Dry	
ND3	VER_ND3	10/21	1220	Dry	21863702	Yes	594.1727	Y	H	Dry	
NED1	VER_NED1	10/21	1105	4.72	TBD	---	---	---	---	No transducer	
OED1	VER_OED1	10/21	1230	Dry	21739731	Yes	588.8174	Y	high	Dry	
RG01	VER_RG01	10/21			21628686	---	---	---	---	No transducer	
SG01	VER_YSG01	10/21	0945	17.48	21615604	Yes	672.6388	Yes	high		

wrong #, couldn't download battery's replaced

SAR-3: Plant Sampling and Analysis Request

Event: VER-24Q4

Date Generated: 09/19/2024

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
101S	VER_101#S	10/21	0915	59.21		
102	VER_102&	10/21	0920	125.24		
102S	VER_102#S	10/21	0920	72.57		
103S	VER_103#S	10/21	1130	58.26		
104	VER_104&	10/21	0925	106.78	126.78	
104S	VER_104#S	10/21	0925	72.95		
105	VER_105&	10/21	0935	120.94		
105S	VER_105#S	10/21	0935	70.89		
16B	VER_016!B		1045	Dry	Dry	
23	VER_023		1115	21.09		
24	VER_024		1115	23.63		
25	VER_025	10/21	0955	15.42		
35S	VER_035#S		1055	Dry	Dry	
XSG01	VER_XSG01					

VER_001 10/21 1150 78.87

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/22/24 16:42:52

JOB DESCRIPTION

VER-24Q4
VER_000_RAD

JOB NUMBER

500-258836-2

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
11/22/24 16:42:52

Authorized for release by
Dirk Nelson, Project Management Assistant II
Dirk.Nelson@et.eurofinsus.com
(708)534-5200

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	5
Method Summary	7
Sample Summary	8
Client Sample Results	9
Definitions	36
QC Association	37
QC Sample Results	39
Chronicle	45
Certification Summary	52
Chain of Custody	53
Receipt Checklists	67
Tracer Carrier Summary	70

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client: Vistra Energy Corp
Project: VER-24Q4

Job ID: 500-258836-2

Job ID: 500-258836-2

Eurofins Chicago

**Job Narrative
500-258836-2**

Receipt

The samples were received on 10/22/24 12:47. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 2.9° C, 3.4° C, 3.6° C, 3.6° C, 4.1° C, 4.1° C, 4.2° C, 5.1° C and 5.6° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Sample #1- COC does not list sample date/time. Logged per container label (10/21, no sample time listed).

Received the bottles for sample 9 with the ID of 035&D, logged per COC. Received sample 16 with nothing marked on the COC, Bottles are different from sample 15.

Affected samples: VER_035&D (500-258836-9) and VER_NED1_FD (500-258836-16)

Per client - Sample #9 is 035&D. - Email attached with COCs.

Sample #16 - Bottles substituted from VER_010_FD, as that well did not have enough volume to supply dup. Logged in analyses to match parent sample (Sample #15).

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC) Sample #29 COC is checked off for sample VER_35&D however all container labels list VER_041. Logged sample as VER_041 (logged 041 parameters).

RAD

Method 904.0: Radium 228 Batch 685738: The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. VER_002 (500-258836-17) and VER_101& (500-258836-19)

Methods 904.0, 9320: Radium 228 Batch 685743: The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. VER_003R (500-258836-4)

Method 904.0: Radium-228 prep batch 160-685748: The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: VER_034 (500-258836-28) . Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 prep batch 160-685748: The matrix spike duplicate (MSD) recoveries for preparation batch 160-685748 and analytical batch 160-689274 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. VER_021_MSD (500-258836-22[MSD])

Method 904.0: Radium-228 prep batch 160-685748: The following samples have an RER (replicate error ratio) result outside of the acceptance criteria of 1 for Ra-228. Duplicate precision is demonstrated by acceptable relative percent difference (RPD), within the limit of 40%. The data have been reported with this narrative.
VER_021_MSD (500-258836-22[MSD])

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

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_010	Lab Sample ID: 500-258836-1
No Detections.	
Client Sample ID: VER_FB	Lab Sample ID: 500-258836-2
No Detections.	
Client Sample ID: VER_EB	Lab Sample ID: 500-258836-3
No Detections.	
Client Sample ID: VER_003R	Lab Sample ID: 500-258836-4
No Detections.	
Client Sample ID: VER_003R_FD	Lab Sample ID: 500-258836-5
No Detections.	
Client Sample ID: VER_004	Lab Sample ID: 500-258836-6
No Detections.	
Client Sample ID: VER_005	Lab Sample ID: 500-258836-7
No Detections.	
Client Sample ID: VER_016A	Lab Sample ID: 500-258836-8
No Detections.	
Client Sample ID: VER_035&D	Lab Sample ID: 500-258836-9
No Detections.	
Client Sample ID: VER_042	Lab Sample ID: 500-258836-10
No Detections.	
Client Sample ID: VER_043	Lab Sample ID: 500-258836-11
No Detections.	
Client Sample ID: VER_043_FD	Lab Sample ID: 500-258836-12
No Detections.	
Client Sample ID: VER_070&D	Lab Sample ID: 500-258836-13
No Detections.	
Client Sample ID: VER_070#S	Lab Sample ID: 500-258836-14
No Detections.	
Client Sample ID: VER_002	Lab Sample ID: 500-258836-17
No Detections.	
Client Sample ID: VER_007R	Lab Sample ID: 500-258836-18
No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_101&	Lab Sample ID: 500-258836-19
☐ No Detections.	
Client Sample ID: VER_103&	Lab Sample ID: 500-258836-20
☐ No Detections.	
Client Sample ID: VER_020	Lab Sample ID: 500-258836-21
☐ No Detections.	
Client Sample ID: VER_021	Lab Sample ID: 500-258836-22
☐ No Detections.	
Client Sample ID: VER_036	Lab Sample ID: 500-258836-23
☐ No Detections.	
Client Sample ID: VER_037	Lab Sample ID: 500-258836-24
☐ No Detections.	
Client Sample ID: VER_038	Lab Sample ID: 500-258836-25
☐ No Detections.	
Client Sample ID: VER_038_FD	Lab Sample ID: 500-258836-26
☐ No Detections.	
Client Sample ID: VER_022	Lab Sample ID: 500-258836-27
☐ No Detections.	
Client Sample ID: VER_034	Lab Sample ID: 500-258836-28
☐ No Detections.	
Client Sample ID: VER_041	Lab Sample ID: 500-258836-29
☐ No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
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

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-258836-1	VER_010	Water	10/21/24 15:55	10/22/24 12:47
500-258836-2	VER_FB	Water	10/22/24 07:00	10/22/24 12:47
500-258836-3	VER_EB	Water	10/22/24 07:30	10/22/24 12:47
500-258836-4	VER_003R	Water	10/22/24 13:00	10/23/24 12:00
500-258836-5	VER_003R_FD	Water	10/22/24 13:05	10/23/24 12:00
500-258836-6	VER_004	Water	10/22/24 12:15	10/23/24 12:00
500-258836-7	VER_005	Water	10/22/24 11:30	10/23/24 12:00
500-258836-8	VER_016A	Water	10/22/24 08:40	10/23/24 12:00
500-258836-9	VER_035&D	Water	10/22/24 08:55	10/23/24 12:00
500-258836-10	VER_042	Water	10/22/24 15:10	10/23/24 12:00
500-258836-11	VER_043	Water	10/22/24 15:55	10/23/24 12:00
500-258836-12	VER_043_FD	Water	10/22/24 16:00	10/23/24 12:00
500-258836-13	VER_070&D	Water	10/22/24 12:50	10/23/24 12:00
500-258836-14	VER_070#S	Water	10/22/24 13:25	10/23/24 12:00
500-258836-17	VER_002	Water	10/23/24 10:10	10/24/24 11:15
500-258836-18	VER_007R	Water	10/23/24 10:50	10/24/24 11:15
500-258836-19	VER_101&	Water	10/23/24 08:35	10/24/24 11:15
500-258836-20	VER_103&	Water	10/23/24 10:20	10/24/24 11:15
500-258836-21	VER_020	Water	10/23/24 15:45	10/24/24 11:15
500-258836-22	VER_021	Water	10/23/24 11:55	10/24/24 11:15
500-258836-23	VER_036	Water	10/23/24 08:10	10/24/24 11:15
500-258836-24	VER_037	Water	10/23/24 08:50	10/24/24 11:15
500-258836-25	VER_038	Water	10/23/24 14:20	10/24/24 11:15
500-258836-26	VER_038_FD	Water	10/23/24 14:35	10/24/24 11:15
500-258836-27	VER_022	Water	10/24/24 08:20	10/24/24 12:30
500-258836-28	VER_034	Water	10/24/24 08:00	10/24/24 12:30
500-258836-29	VER_041	Water	10/24/24 08:50	10/24/24 12:30

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_010

Lab Sample ID: 500-258836-1

Date Collected: 10/21/24 15:55

Matrix: Water

Date Received: 10/22/24 12:47

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.191		0.122	0.123	1.00	0.162	pCi/L	10/25/24 08:24	11/18/24 21:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					10/25/24 08:24	11/18/24 21:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.291	U	0.336	0.337	1.00	0.551	pCi/L	10/25/24 08:28	11/15/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					10/25/24 08:28	11/15/24 12:14	1
Y Carrier	81.1		30 - 110					10/25/24 08:28	11/15/24 12:14	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	0.482	U	0.357	0.359	5.00	0.551	pCi/L		11/22/24 15:46	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_FB

Lab Sample ID: 500-258836-2

Date Collected: 10/22/24 07:00

Matrix: Water

Date Received: 10/22/24 12:47

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0310	U	0.0831	0.0831	1.00	0.155	pCi/L	10/25/24 08:24	11/18/24 21:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					10/25/24 08:24	11/18/24 21:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.118	U	0.265	0.265	1.00	0.468	pCi/L	10/25/24 08:28	11/15/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					10/25/24 08:28	11/15/24 12:14	1
Y Carrier	89.0		30 - 110					10/25/24 08:28	11/15/24 12:14	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	0.149	U	0.278	0.278	5.00	0.468	pCi/L		11/22/24 15:46	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_EB

Lab Sample ID: 500-258836-3

Date Collected: 10/22/24 07:30

Matrix: Water

Date Received: 10/22/24 12:47

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0747	U	0.0664	0.0667	1.00	0.180	pCi/L	10/25/24 08:24	11/18/24 21:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					10/25/24 08:24	11/18/24 21:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.161	U	0.322	0.322	1.00	0.643	pCi/L	10/25/24 08:28	11/15/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					10/25/24 08:28	11/15/24 12:14	1
Y Carrier	83.0		30 - 110					10/25/24 08:28	11/15/24 12:14	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	0.000	U	0.329	0.329	5.00	0.643	pCi/L		11/22/24 15:46	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_003R

Lab Sample ID: 500-258836-4

Date Collected: 10/22/24 13:00

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.693		0.359	0.365	1.00	0.460	pCi/L	10/29/24 08:31	11/20/24 21:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					10/29/24 08:31	11/20/24 21:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.51	U G	1.16	1.17	1.00	1.82	pCi/L	10/29/24 08:35	11/18/24 14:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					10/29/24 08:35	11/18/24 14:06	1
Y Carrier	77.0		30 - 110					10/29/24 08:35	11/18/24 14:06	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	2.21		1.21	1.23	5.00	1.82	pCi/L		11/22/24 15:45	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_003R_FD

Lab Sample ID: 500-258836-5

Date Collected: 10/22/24 13:05

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.478		0.201	0.206	1.00	0.210	pCi/L	10/29/24 08:22	11/21/24 16:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					10/29/24 08:22	11/21/24 16:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.08		0.650	0.658	1.00	0.957	pCi/L	10/29/24 08:25	11/18/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					10/29/24 08:25	11/18/24 12:17	1
Y Carrier	73.3		30 - 110					10/29/24 08:25	11/18/24 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	1.55		0.680	0.689	5.00	0.957	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_004

Lab Sample ID: 500-258836-6

Date Collected: 10/22/24 12:15

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.369		0.149	0.153	1.00	0.158	pCi/L	10/29/24 08:22	11/21/24 16:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					10/29/24 08:22	11/21/24 16:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.07		0.471	0.481	1.00	0.634	pCi/L	10/29/24 08:25	11/18/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					10/29/24 08:25	11/18/24 12:17	1
Y Carrier	78.1		30 - 110					10/29/24 08:25	11/18/24 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	1.44		0.494	0.505	5.00	0.634	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_005

Lab Sample ID: 500-258836-7

Date Collected: 10/22/24 11:30

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.210		0.124	0.126	1.00	0.161	pCi/L	10/29/24 08:22	11/21/24 17:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					10/29/24 08:22	11/21/24 17:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.815		0.427	0.434	1.00	0.602	pCi/L	10/29/24 08:25	11/18/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					10/29/24 08:25	11/18/24 12:17	1
Y Carrier	76.6		30 - 110					10/29/24 08:25	11/18/24 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	1.03		0.445	0.452	5.00	0.602	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_016A

Lab Sample ID: 500-258836-8

Date Collected: 10/22/24 08:40

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.593		0.221	0.228	1.00	0.235	pCi/L	10/29/24 08:22	11/21/24 17:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					10/29/24 08:22	11/21/24 17:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.547	0.556	1.00	0.750	pCi/L	10/29/24 08:25	11/18/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					10/29/24 08:25	11/18/24 12:17	1
Y Carrier	76.6		30 - 110					10/29/24 08:25	11/18/24 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	1.68		0.590	0.601	5.00	0.750	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_035&D

Lab Sample ID: 500-258836-9

Date Collected: 10/22/24 08:55

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.208		0.143	0.145	1.00	0.207	pCi/L	10/29/24 08:22	11/21/24 17:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					10/29/24 08:22	11/21/24 17:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.558		0.374	0.378	1.00	0.557	pCi/L	10/29/24 08:25	11/18/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					10/29/24 08:25	11/18/24 12:17	1
Y Carrier	79.6		30 - 110					10/29/24 08:25	11/18/24 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	0.767		0.400	0.405	5.00	0.557	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_042

Lab Sample ID: 500-258836-10

Date Collected: 10/22/24 15:10

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.283	U	0.199	0.201	1.00	0.284	pCi/L	10/29/24 08:22	11/20/24 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					10/29/24 08:22	11/20/24 08:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0679	U	0.388	0.388	1.00	0.717	pCi/L	10/29/24 08:25	11/18/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					10/29/24 08:25	11/18/24 12:17	1
Y Carrier	76.6		30 - 110					10/29/24 08:25	11/18/24 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	0.351	U	0.436	0.437	5.00	0.717	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_043

Lab Sample ID: 500-258836-11

Date Collected: 10/22/24 15:55

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.242	U	0.188	0.190	1.00	0.272	pCi/L	10/29/24 08:22	11/20/24 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/29/24 08:22	11/20/24 08:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.395	U	0.423	0.425	1.00	0.687	pCi/L	10/29/24 08:25	11/18/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/29/24 08:25	11/18/24 12:17	1
Y Carrier	83.0		30 - 110					10/29/24 08:25	11/18/24 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	0.637	U	0.463	0.466	5.00	0.687	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_043_FD

Lab Sample ID: 500-258836-12

Date Collected: 10/22/24 16:00

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.574		0.245	0.251	1.00	0.280	pCi/L	10/29/24 08:22	11/20/24 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.7		30 - 110					10/29/24 08:22	11/20/24 08:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.757		0.482	0.487	1.00	0.700	pCi/L	10/29/24 08:25	11/18/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.7		30 - 110					10/29/24 08:25	11/18/24 12:17	1
Y Carrier	79.3		30 - 110					10/29/24 08:25	11/18/24 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	1.33		0.541	0.548	5.00	0.700	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_070&D

Lab Sample ID: 500-258836-13

Date Collected: 10/22/24 12:50

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.424		0.202	0.206	1.00	0.239	pCi/L	10/29/24 08:22	11/20/24 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.9		30 - 110					10/29/24 08:22	11/20/24 08:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11		0.549	0.558	1.00	0.768	pCi/L	10/29/24 08:25	11/18/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.9		30 - 110					10/29/24 08:25	11/18/24 12:18	1
Y Carrier	78.9		30 - 110					10/29/24 08:25	11/18/24 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	1.53		0.585	0.595	5.00	0.768	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_070#S

Lab Sample ID: 500-258836-14

Date Collected: 10/22/24 13:25

Matrix: Water

Date Received: 10/23/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0274	U	0.0873	0.0874	1.00	0.196	pCi/L	10/29/24 08:22	11/20/24 08:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.7		30 - 110					10/29/24 08:22	11/20/24 08:26	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.225	U	0.326	0.327	1.00	0.551	pCi/L	10/29/24 08:25	11/18/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.7		30 - 110					10/29/24 08:25	11/18/24 12:18	1
Y Carrier	78.5		30 - 110					10/29/24 08:25	11/18/24 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	0.225	U	0.337	0.338	5.00	0.551	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_002

Lab Sample ID: 500-258836-17

Date Collected: 10/23/24 10:10

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.133	U	0.222	0.223	1.00	0.385	pCi/L	10/29/24 08:22	11/20/24 08:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.3		30 - 110					10/29/24 08:22	11/20/24 08:26	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.08	U G	0.750	0.757	1.00	1.15	pCi/L	10/29/24 08:25	11/18/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.3		30 - 110					10/29/24 08:25	11/18/24 12:18	1
Y Carrier	77.8		30 - 110					10/29/24 08:25	11/18/24 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	1.21		0.782	0.789	5.00	1.15	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_007R

Lab Sample ID: 500-258836-18

Date Collected: 10/23/24 10:50

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.109	U	0.135	0.136	1.00	0.224	pCi/L	10/29/24 08:22	11/20/24 08:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					10/29/24 08:22	11/20/24 08:26	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.78		0.511	0.536	1.00	0.549	pCi/L	10/29/24 08:25	11/18/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					10/29/24 08:25	11/18/24 12:18	1
Y Carrier	80.7		30 - 110					10/29/24 08:25	11/18/24 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	1.88		0.529	0.553	5.00	0.549	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_101&

Lab Sample ID: 500-258836-19

Date Collected: 10/23/24 08:35

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.363		0.245	0.247	1.00	0.342	pCi/L	10/29/24 08:22	11/20/24 08:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.4		30 - 110					10/29/24 08:22	11/20/24 08:26	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.76	G	0.830	0.846	1.00	1.18	pCi/L	10/29/24 08:25	11/18/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.4		30 - 110					10/29/24 08:25	11/18/24 12:18	1
Y Carrier	80.0		30 - 110					10/29/24 08:25	11/18/24 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	2.12		0.865	0.881	5.00	1.18	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_103&

Lab Sample ID: 500-258836-20

Date Collected: 10/23/24 10:20

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.219		0.149	0.150	1.00	0.213	pCi/L	10/29/24 08:22	11/20/24 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					10/29/24 08:22	11/20/24 21:19	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	0.806		0.427	0.434	1.00	0.607	pCi/L	10/29/24 08:25	11/18/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					10/29/24 08:25	11/18/24 12:14	1
Y Carrier	78.1		30 - 110					10/29/24 08:25	11/18/24 12:14	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	1.03		0.452	0.459	5.00	0.607	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_020

Lab Sample ID: 500-258836-21

Date Collected: 10/23/24 15:45

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0945	U	0.116	0.116	1.00	0.191	pCi/L	10/29/24 08:22	11/20/24 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					10/29/24 08:22	11/20/24 21:19	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	-0.0660	U	0.282	0.282	1.00	0.546	pCi/L	10/29/24 08:25	11/18/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					10/29/24 08:25	11/18/24 12:14	1
Y Carrier	82.2		30 - 110					10/29/24 08:25	11/18/24 12:14	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	0.0945	U	0.305	0.305	5.00	0.546	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_021

Lab Sample ID: 500-258836-22

Date Collected: 10/23/24 11:55

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.134	U	0.108	0.108	1.00	0.148	pCi/L	10/29/24 08:37	11/21/24 21:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.0		30 - 110					10/29/24 08:37	11/21/24 21:30	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	0.194	U F	0.349	0.349	1.00	0.601	pCi/L	10/29/24 08:40	11/19/24 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.0		30 - 110					10/29/24 08:40	11/19/24 12:01	1
Y Carrier	86.4		30 - 110					10/29/24 08:40	11/19/24 12:01	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	0.327	U	0.365	0.365	5.00	0.601	pCi/L		11/22/24 16:02	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_036

Lab Sample ID: 500-258836-23

Date Collected: 10/23/24 08:10

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.247		0.136	0.138	1.00	0.175	pCi/L	10/29/24 08:22	11/20/24 21:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					10/29/24 08:22	11/20/24 21:20	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	0.640		0.373	0.377	1.00	0.544	pCi/L	10/29/24 08:25	11/18/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					10/29/24 08:25	11/18/24 12:15	1
Y Carrier	83.4		30 - 110					10/29/24 08:25	11/18/24 12:15	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	0.887		0.397	0.401	5.00	0.544	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_037

Lab Sample ID: 500-258836-24

Date Collected: 10/23/24 08:50

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.781		0.252	0.261	1.00	0.225	pCi/L	10/29/24 08:22	11/20/24 21:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					10/29/24 08:22	11/20/24 21:20	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	0.703	U	0.510	0.515	1.00	0.775	pCi/L	10/29/24 08:25	11/18/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					10/29/24 08:25	11/18/24 12:15	1
Y Carrier	78.5		30 - 110					10/29/24 08:25	11/18/24 12:15	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	1.48		0.569	0.577	5.00	0.775	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_038

Lab Sample ID: 500-258836-25

Date Collected: 10/23/24 14:20

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.567		0.227	0.233	1.00	0.243	pCi/L	10/29/24 08:22	11/20/24 21:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		30 - 110					10/29/24 08:22	11/20/24 21:20	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	0.988		0.520	0.528	1.00	0.726	pCi/L	10/29/24 08:25	11/18/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		30 - 110					10/29/24 08:25	11/18/24 12:15	1
Y Carrier	81.5		30 - 110					10/29/24 08:25	11/18/24 12:15	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	1.56		0.567	0.577	5.00	0.726	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_038_FD

Lab Sample ID: 500-258836-26

Date Collected: 10/23/24 14:35

Matrix: Water

Date Received: 10/24/24 11:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.386		0.207	0.210	1.00	0.263	pCi/L	10/29/24 08:22	11/20/24 21:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					10/29/24 08:22	11/20/24 21:20	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	1.03		0.540	0.548	1.00	0.752	pCi/L	10/29/24 08:25	11/18/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					10/29/24 08:25	11/18/24 12:15	1
Y Carrier	80.7		30 - 110					10/29/24 08:25	11/18/24 12:15	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	1.42		0.578	0.587	5.00	0.752	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_022

Lab Sample ID: 500-258836-27

Date Collected: 10/24/24 08:20

Matrix: Water

Date Received: 10/24/24 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.517		0.190	0.195	1.00	0.195	pCi/L	10/29/24 08:22	11/20/24 21:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					10/29/24 08:22	11/20/24 21:20	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	0.584	U	0.395	0.398	1.00	0.591	pCi/L	10/29/24 08:25	11/18/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					10/29/24 08:25	11/18/24 12:15	1
Y Carrier	83.0		30 - 110					10/29/24 08:25	11/18/24 12:15	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	1.10		0.438	0.443	5.00	0.591	pCi/L		11/22/24 12:07	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_034

Lab Sample ID: 500-258836-28

Date Collected: 10/24/24 08:00

Matrix: Water

Date Received: 10/24/24 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.506		0.279	0.283	1.00	0.351	pCi/L	10/29/24 08:37	11/21/24 21:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.2		30 - 110					10/29/24 08:37	11/21/24 21:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.235	U F G	0.631	0.632	1.00	1.12	pCi/L	10/29/24 08:40	11/19/24 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.2		30 - 110					10/29/24 08:40	11/19/24 12:01	1
Y Carrier	80.0		30 - 110					10/29/24 08:40	11/19/24 12:01	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	0.741	U	0.690	0.692	5.00	1.12	pCi/L		11/22/24 16:02	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_041

Lab Sample ID: 500-258836-29

Date Collected: 10/24/24 08:50

Matrix: Water

Date Received: 10/24/24 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.600		0.244	0.250	1.00	0.273	pCi/L	10/29/24 08:37	11/21/24 21:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					10/29/24 08:37	11/21/24 21:38	1

Method: 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	F	0.493	0.499	1.00	0.718	pCi/L	10/29/24 08:40	11/19/24 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					10/29/24 08:40	11/19/24 12:01	1
Y Carrier	86.0		30 - 110					10/29/24 08:40	11/19/24 12:01	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	1.40		0.550	0.558	5.00	0.718	pCi/L		11/22/24 16:02	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Qualifiers

Rad

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
F1	MS and/or MSD recovery exceeds control limits.
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

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Rad

Prep Batch: 685118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-1	VER_010	Total/NA	Water	PrecSep-21	
500-258836-2	VER_FB	Total/NA	Water	PrecSep-21	
500-258836-3	VER_EB	Total/NA	Water	PrecSep-21	
MB 160-685118/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-685118/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 685120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-1	VER_010	Total/NA	Water	PrecSep_0	
500-258836-2	VER_FB	Total/NA	Water	PrecSep_0	
500-258836-3	VER_EB	Total/NA	Water	PrecSep_0	
MB 160-685120/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-685120/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 685737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-5	VER_003R_FD	Total/NA	Water	PrecSep-21	
500-258836-6	VER_004	Total/NA	Water	PrecSep-21	
500-258836-7	VER_005	Total/NA	Water	PrecSep-21	
500-258836-8	VER_016A	Total/NA	Water	PrecSep-21	
500-258836-9	VER_035&D	Total/NA	Water	PrecSep-21	
500-258836-10	VER_042	Total/NA	Water	PrecSep-21	
500-258836-11	VER_043	Total/NA	Water	PrecSep-21	
500-258836-12	VER_043_FD	Total/NA	Water	PrecSep-21	
500-258836-13	VER_070&D	Total/NA	Water	PrecSep-21	
500-258836-14	VER_070#S	Total/NA	Water	PrecSep-21	
500-258836-17	VER_002	Total/NA	Water	PrecSep-21	
500-258836-18	VER_007R	Total/NA	Water	PrecSep-21	
500-258836-19	VER_101&	Total/NA	Water	PrecSep-21	
500-258836-20	VER_103&	Total/NA	Water	PrecSep-21	
500-258836-21	VER_020	Total/NA	Water	PrecSep-21	
500-258836-23	VER_036	Total/NA	Water	PrecSep-21	
500-258836-24	VER_037	Total/NA	Water	PrecSep-21	
500-258836-25	VER_038	Total/NA	Water	PrecSep-21	
500-258836-26	VER_038_FD	Total/NA	Water	PrecSep-21	
500-258836-27	VER_022	Total/NA	Water	PrecSep-21	
MB 160-685737/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-685737/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-258836-10 MS	VER_042_MS	Total/NA	Water	PrecSep-21	
500-258836-10 MSD	VER_042_MSD	Total/NA	Water	PrecSep-21	

Prep Batch: 685738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-5	VER_003R_FD	Total/NA	Water	PrecSep_0	
500-258836-6	VER_004	Total/NA	Water	PrecSep_0	
500-258836-7	VER_005	Total/NA	Water	PrecSep_0	
500-258836-8	VER_016A	Total/NA	Water	PrecSep_0	
500-258836-9	VER_035&D	Total/NA	Water	PrecSep_0	
500-258836-10	VER_042	Total/NA	Water	PrecSep_0	
500-258836-11	VER_043	Total/NA	Water	PrecSep_0	
500-258836-12	VER_043_FD	Total/NA	Water	PrecSep_0	

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Rad (Continued)

Prep Batch: 685738 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-13	VER_070&D	Total/NA	Water	PrecSep_0	
500-258836-14	VER_070#S	Total/NA	Water	PrecSep_0	
500-258836-17	VER_002	Total/NA	Water	PrecSep_0	
500-258836-18	VER_007R	Total/NA	Water	PrecSep_0	
500-258836-19	VER_101&	Total/NA	Water	PrecSep_0	
500-258836-20	VER_103&	Total/NA	Water	PrecSep_0	
500-258836-21	VER_020	Total/NA	Water	PrecSep_0	
500-258836-23	VER_036	Total/NA	Water	PrecSep_0	
500-258836-24	VER_037	Total/NA	Water	PrecSep_0	
500-258836-25	VER_038	Total/NA	Water	PrecSep_0	
500-258836-26	VER_038_FD	Total/NA	Water	PrecSep_0	
500-258836-27	VER_022	Total/NA	Water	PrecSep_0	
MB 160-685738/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-685738/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-258836-10 MS	VER_042_MS	Total/NA	Water	PrecSep_0	
500-258836-10 MSD	VER_042_MSD	Total/NA	Water	PrecSep_0	

Prep Batch: 685741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	PrecSep-21	
MB 160-685741/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-685741/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 685743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-4	VER_003R	Total/NA	Water	PrecSep_0	
MB 160-685743/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-685743/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 685745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-22	VER_021	Total/NA	Water	PrecSep-21	
500-258836-28	VER_034	Total/NA	Water	PrecSep-21	
500-258836-29	VER_041	Total/NA	Water	PrecSep-21	
MB 160-685745/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-685745/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-258836-22 MS	VER_021_MS	Total/NA	Water	PrecSep-21	
500-258836-22 MSD	VER_021_MSD	Total/NA	Water	PrecSep-21	

Prep Batch: 685748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-258836-22	VER_021	Total/NA	Water	PrecSep_0	
500-258836-28	VER_034	Total/NA	Water	PrecSep_0	
500-258836-29	VER_041	Total/NA	Water	PrecSep_0	
MB 160-685748/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-685748/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-258836-22 MS	VER_021_MS	Total/NA	Water	PrecSep_0	
500-258836-22 MSD	VER_021_MSD	Total/NA	Water	PrecSep_0	

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-685118/1-A

Matrix: Water

Analysis Batch: 689048

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685118

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02175	U	0.0583	0.0583	1.00	0.139	pCi/L	10/25/24 08:24	11/18/24 21:32	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					10/25/24 08:24	11/18/24 21:32	1

Lab Sample ID: LCS 160-685118/2-A

Matrix: Water

Analysis Batch: 689048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685118

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.772		1.12	1.00	0.122	pCi/L	102	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	80.4		30 - 110							

Lab Sample ID: MB 160-685737/1-A

Matrix: Water

Analysis Batch: 689807

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685737

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1160	U	0.0966	0.0972	1.00	0.140	pCi/L	10/29/24 08:22	11/21/24 16:58	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.7		30 - 110					10/29/24 08:22	11/21/24 16:58	1

Lab Sample ID: LCS 160-685737/2-A

Matrix: Water

Analysis Batch: 689807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685737

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	10.31		1.15	1.00	0.120	pCi/L	108	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	89.7		30 - 110							

Lab Sample ID: 500-258836-10 MS

Matrix: Water

Analysis Batch: 689610

Client Sample ID: VER_042_MS

Prep Type: Total/NA

Prep Batch: 685737

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	0.283	U	13.0	13.29		1.55	1.00	0.272	pCi/L	100	60 - 140

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

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

Lab Sample ID: 500-258836-10 MS

Matrix: Water

Analysis Batch: 689610

Client Sample ID: VER_042_MS

Prep Type: Total/NA

Prep Batch: 685737

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	91.4		30 - 110

Lab Sample ID: 500-258836-10 MSD

Matrix: Water

Analysis Batch: 689610

Client Sample ID: VER_042_MSD

Prep Type: Total/NA

Prep Batch: 685737

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	0.283	U	12.7	12.54		1.48	1.00	0.243	pCi/L	97	60 - 140	0.25	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	90.0		30 - 110										

Lab Sample ID: MB 160-685741/1-A

Matrix: Water

Analysis Batch: 689479

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685741

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.06957	U	0.116	0.116	1.00	0.254	pCi/L	10/29/24 08:31	11/20/24 21:26	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/29/24 08:31	11/20/24 21:26	1

Lab Sample ID: LCS 160-685741/2-A

Matrix: Water

Analysis Batch: 689479

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685741

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.017		1.06	1.00	0.209	pCi/L	94	75 - 125
	LCS	LCS							
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	85.1		30 - 110						

Lab Sample ID: MB 160-685745/1-A

Matrix: Water

Analysis Batch: 689807

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685745

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01800	U	0.0889	0.0889	1.00	0.176	pCi/L	10/29/24 08:37	11/21/24 21:30	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					10/29/24 08:37	11/21/24 21:30	1

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

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

Lab Sample ID: LCS 160-685745/2-A
Matrix: Water
Analysis Batch: 689807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685745

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	10.32		1.18	1.00	0.157	pCi/L	108	75 - 125		
		LCS %Yield	LCS Qualifier	Limits									
Carrier													
Ba Carrier		91.7		30 - 110									

Lab Sample ID: 500-258836-22 MS
Matrix: Water
Analysis Batch: 689807

Client Sample ID: VER_021_MS
Prep Type: Total/NA
Prep Batch: 685745

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.134	U	9.57	10.77		1.27	1.00	0.199	pCi/L	111	60 - 140		
		MS %Yield	MS Qualifier	Limits									
Carrier													
Ba Carrier		71.6		30 - 110									

Lab Sample ID: 500-258836-22 MSD
Matrix: Water
Analysis Batch: 689807

Client Sample ID: VER_021_MSD
Prep Type: Total/NA
Prep Batch: 685745

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	0.134	U	9.54	10.64		1.26	1.00	0.221	pCi/L	110	60 - 140	0.05	1
		MSD %Yield	MSD Qualifier	Limits									
Carrier													
Ba Carrier		68.2		30 - 110									

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-685120/1-A
Matrix: Water
Analysis Batch: 688682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685120

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2525	U	0.348	0.348	1.00	0.582	pCi/L	10/25/24 08:28	11/15/24 12:13	1
		MB %Yield	MB Qualifier	Limits						
Carrier										
Ba Carrier		95.6		30 - 110						
Y Carrier		83.4		30 - 110						

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-685120/2-A
Matrix: Water
Analysis Batch: 688682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685120

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.34	8.988		1.32	1.00	0.660	pCi/L	108	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	80.4		30 - 110									
Y Carrier	85.6		30 - 110									

Lab Sample ID: MB 160-685738/1-A
Matrix: Water
Analysis Batch: 689051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685738

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.01142	U	0.258	0.258	1.00	0.496	pCi/L	10/29/24 08:25	11/18/24 12:16	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.7		30 - 110					10/29/24 08:25	11/18/24 12:16	1
Y Carrier	81.5		30 - 110					10/29/24 08:25	11/18/24 12:16	1

Lab Sample ID: LCS 160-685738/2-A
Matrix: Water
Analysis Batch: 689051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685738

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.33	9.367		1.30	1.00	0.612	pCi/L	112	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	89.7		30 - 110									
Y Carrier	82.6		30 - 110									

Lab Sample ID: 500-258836-10 MS
Matrix: Water
Analysis Batch: 689051

Client Sample ID: VER_042_MS
Prep Type: Total/NA
Prep Batch: 685738

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.0679	U	11.3	13.09		1.79	1.00	0.756	pCi/L	115	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	91.4		30 - 110										
Y Carrier	81.1		30 - 110										

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 500-258836-10 MSD

Matrix: Water

Analysis Batch: 689051

Client Sample ID: VER_042_MSD

Prep Type: Total/NA

Prep Batch: 685738

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	0.0679	U	11.0	12.92		1.79	1.00	0.793	pCi/L	116	60 - 140	0.05	1
Carrier	MSD %Yield	MSD Qualifier	MSD Limits										
Ba Carrier	90.0		30 - 110										
Y Carrier	81.5		30 - 110										

Lab Sample ID: MB 160-685743/1-A

Matrix: Water

Analysis Batch: 689004

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685743

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2934	U	0.327	0.328	1.00	0.533	pCi/L	10/29/24 08:35	11/18/24 12:16	1
Carrier	MB %Yield	MB Qualifier	MB Limits							
Ba Carrier	86.6		30 - 110							
Y Carrier	82.6		30 - 110							

Lab Sample ID: LCS 160-685743/2-A

Matrix: Water

Analysis Batch: 689004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 685743

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.33	8.318		1.22	1.00	0.584	pCi/L	100	75 - 125
Carrier	LCS %Yield	LCS Qualifier	LCS Limits						
Ba Carrier	85.1		30 - 110						
Y Carrier	83.0		30 - 110						

Lab Sample ID: MB 160-685748/1-A

Matrix: Water

Analysis Batch: 689273

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 685748

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4229	U	0.457	0.458	1.00	0.746	pCi/L	10/29/24 08:40	11/19/24 12:03	1
Carrier	MB %Yield	MB Qualifier	MB Limits							
Ba Carrier	85.3		30 - 110							
Y Carrier	80.4		30 - 110							

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-685748/2-A
Matrix: Water
Analysis Batch: 689274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685748

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.33	8.030		1.15	1.00	0.547	pCi/L	96	75 - 125		
	LCS	LCS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	91.7		30 - 110										
Y Carrier	84.9		30 - 110										

Lab Sample ID: 500-258836-22 MS
Matrix: Water
Analysis Batch: 689274

Client Sample ID: VER_021_MS
Prep Type: Total/NA
Prep Batch: 685748

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.194	U F	8.32	8.957		1.34	1.00	0.711	pCi/L	105	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	71.6		30 - 110										
Y Carrier	86.0		30 - 110										

Lab Sample ID: 500-258836-22 MSD
Matrix: Water
Analysis Batch: 689274

Client Sample ID: VER_021_MSD
Prep Type: Total/NA
Prep Batch: 685748

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	0.194	U F	8.30	12.57	F1 F	1.79	1.00	0.814	pCi/L	149	60 - 140	1.15	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	68.2		30 - 110										
Y Carrier	72.9		30 - 110										

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_010

Lab Sample ID: 500-258836-1

Date Collected: 10/21/24 15:55

Matrix: Water

Date Received: 10/22/24 12:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685118	BCE	EET SL	10/25/24 08:24
Total/NA	Analysis	903.0		1	689051	SWS	EET SL	11/18/24 21:42
Total/NA	Prep	PrecSep_0			685120	BCE	EET SL	10/25/24 08:28
Total/NA	Analysis	904.0		1	688682	SWS	EET SL	11/15/24 12:14
Total/NA	Analysis	Ra226_Ra228 Pos		1	690031	SCB	EET SL	11/22/24 15:46

Client Sample ID: VER_FB

Lab Sample ID: 500-258836-2

Date Collected: 10/22/24 07:00

Matrix: Water

Date Received: 10/22/24 12:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685118	BCE	EET SL	10/25/24 08:24
Total/NA	Analysis	903.0		1	689051	SWS	EET SL	11/18/24 21:42
Total/NA	Prep	PrecSep_0			685120	BCE	EET SL	10/25/24 08:28
Total/NA	Analysis	904.0		1	688682	SWS	EET SL	11/15/24 12:14
Total/NA	Analysis	Ra226_Ra228 Pos		1	690031	SCB	EET SL	11/22/24 15:46

Client Sample ID: VER_EB

Lab Sample ID: 500-258836-3

Date Collected: 10/22/24 07:30

Matrix: Water

Date Received: 10/22/24 12:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685118	BCE	EET SL	10/25/24 08:24
Total/NA	Analysis	903.0		1	689051	SWS	EET SL	11/18/24 21:42
Total/NA	Prep	PrecSep_0			685120	BCE	EET SL	10/25/24 08:28
Total/NA	Analysis	904.0		1	688682	SWS	EET SL	11/15/24 12:14
Total/NA	Analysis	Ra226_Ra228 Pos		1	690031	SCB	EET SL	11/22/24 15:46

Client Sample ID: VER_003R

Lab Sample ID: 500-258836-4

Date Collected: 10/22/24 13:00

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685741	BCE	EET SL	10/29/24 08:31
Total/NA	Analysis	903.0		1	689607	FLC	EET SL	11/20/24 21:35
Total/NA	Prep	PrecSep_0			685743	BCE	EET SL	10/29/24 08:35
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 14:06
Total/NA	Analysis	Ra226_Ra228 Pos		1	690029	SCB	EET SL	11/22/24 15:45

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_003R_FD

Lab Sample ID: 500-258836-5

Date Collected: 10/22/24 13:05

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689807	SCB	EET SL	11/21/24 16:58
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_004

Lab Sample ID: 500-258836-6

Date Collected: 10/22/24 12:15

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689807	SCB	EET SL	11/21/24 16:58
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_005

Lab Sample ID: 500-258836-7

Date Collected: 10/22/24 11:30

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689830	SCB	EET SL	11/21/24 17:04
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_016A

Lab Sample ID: 500-258836-8

Date Collected: 10/22/24 08:40

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689830	SCB	EET SL	11/21/24 17:04
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_035&D

Lab Sample ID: 500-258836-9

Date Collected: 10/22/24 08:55

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689830	SCB	EET SL	11/21/24 17:04
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_042

Lab Sample ID: 500-258836-10

Date Collected: 10/22/24 15:10

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 08:25
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_043

Lab Sample ID: 500-258836-11

Date Collected: 10/22/24 15:55

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 08:25
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_043_FD

Lab Sample ID: 500-258836-12

Date Collected: 10/22/24 16:00

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 08:25
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_070&D

Lab Sample ID: 500-258836-13

Date Collected: 10/22/24 12:50

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 08:25
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:18
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_070#S

Lab Sample ID: 500-258836-14

Date Collected: 10/22/24 13:25

Matrix: Water

Date Received: 10/23/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 08:26
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:18
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_002

Lab Sample ID: 500-258836-17

Date Collected: 10/23/24 10:10

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 08:26
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:18
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_007R

Lab Sample ID: 500-258836-18

Date Collected: 10/23/24 10:50

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 08:26
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:18
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_101&

Lab Sample ID: 500-258836-19

Date Collected: 10/23/24 08:35

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 08:26
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689051	SWS	EET SL	11/18/24 12:18
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_103&

Lab Sample ID: 500-258836-20

Date Collected: 10/23/24 10:20

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 21:19
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689004	SWS	EET SL	11/18/24 12:14
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_020

Lab Sample ID: 500-258836-21

Date Collected: 10/23/24 15:45

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 21:19
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689004	SWS	EET SL	11/18/24 12:14
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_021

Lab Sample ID: 500-258836-22

Date Collected: 10/23/24 11:55

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685745	BCE	EET SL	10/29/24 08:37
Total/NA	Analysis	903.0		1	689807	SCB	EET SL	11/21/24 21:30
Total/NA	Prep	PrecSep_0			685748	BCE	EET SL	10/29/24 08:40
Total/NA	Analysis	904.0		1	689274	SCB	EET SL	11/19/24 12:01
Total/NA	Analysis	Ra226_Ra228 Pos		1	690034	SCB	EET SL	11/22/24 16:02

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_036

Lab Sample ID: 500-258836-23

Date Collected: 10/23/24 08:10

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 21:20
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689004	SWS	EET SL	11/18/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_037

Lab Sample ID: 500-258836-24

Date Collected: 10/23/24 08:50

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 21:20
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689004	SWS	EET SL	11/18/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_038

Lab Sample ID: 500-258836-25

Date Collected: 10/23/24 14:20

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 21:20
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689004	SWS	EET SL	11/18/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_038_FD

Lab Sample ID: 500-258836-26

Date Collected: 10/23/24 14:35

Matrix: Water

Date Received: 10/24/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 21:20
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689004	SWS	EET SL	11/18/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Client Sample ID: VER_022

Lab Sample ID: 500-258836-27

Date Collected: 10/24/24 08:20

Matrix: Water

Date Received: 10/24/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685737	BCE	EET SL	10/29/24 08:22
Total/NA	Analysis	903.0		1	689610	FLC	EET SL	11/20/24 21:20
Total/NA	Prep	PrecSep_0			685738	BCE	EET SL	10/29/24 08:25
Total/NA	Analysis	904.0		1	689004	SWS	EET SL	11/18/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	689994	SCB	EET SL	11/22/24 12:07

Client Sample ID: VER_034

Lab Sample ID: 500-258836-28

Date Collected: 10/24/24 08:00

Matrix: Water

Date Received: 10/24/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685745	BCE	EET SL	10/29/24 08:37
Total/NA	Analysis	903.0		1	689830	SCB	EET SL	11/21/24 21:38
Total/NA	Prep	PrecSep_0			685748	BCE	EET SL	10/29/24 08:40
Total/NA	Analysis	904.0		1	689274	SCB	EET SL	11/19/24 12:01
Total/NA	Analysis	Ra226_Ra228 Pos		1	690034	SCB	EET SL	11/22/24 16:02

Client Sample ID: VER_041

Lab Sample ID: 500-258836-29

Date Collected: 10/24/24 08:50

Matrix: Water

Date Received: 10/24/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			685745	BCE	EET SL	10/29/24 08:37
Total/NA	Analysis	903.0		1	689830	SCB	EET SL	11/21/24 21:38
Total/NA	Prep	PrecSep_0			685748	BCE	EET SL	10/29/24 08:40
Total/NA	Analysis	904.0		1	689274	SCB	EET SL	11/19/24 12:01
Total/NA	Analysis	Ra226_Ra228 Pos		1	690034	SCB	EET SL	11/22/24 16:02

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
VERMILION POWER PLANT, NORTH ASH POND AND OLD EAST ASH POND
VER-845-910-911

Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
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	11-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228
Ra226_Ra228 Pos		Water	Radium 226 and 228

Page 3 of 3

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE	IL	

23

LER	Lorne E. Lewis	
LER	DATE Signed (MM/DD/YY)	10 22 24

VERMILION POWER PLANT, NORTH
CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

OLD EAST ASH POND
VER-845-910-911

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information.		Page 3 of 3														
Company: Vistra Corp-Vermilion		Report To: Brian Voelker		Attention: Dianna Tickner		<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td rowspan="2">IL</td> <td rowspan="2"></td> </tr> <tr> <td>STATE</td> </tr> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE
REGULATORY AGENCY																				
NPDES	GROUND WATER	DRINKING WATER																		
UST	RCRA	OTHER																		
Site Location	IL																			
STATE																				
Address: 10188 E 2150 North Rd		Copy To: Sam Davies samantha.davies@vistracorp.com		Company Name: Vistra Corp																
Danville, IL 61834		Dianna Tickner - dianna.tickner@vistracorp.com		Address: see Section A																
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.		Quote Reference																
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:																
Requested Due Date/TAT 10 day		Project Number: 50022750		Profile #:																

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER					
SIGNATURE of SAMPLER	DATE Signed (MM/DD/YY)				
Logan Filer Logan Filer					

VERMILION POWER PLANT, NORTH ASH POND AND OLD EAST ASH POND
CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information		Page 1 of 3		
Company: Vistra Corp-Vermillion		Report To: Brian Voelker		Attention: Dianna Tickner		REGULATORY AGENCY		
Address: 10188 E 2150 North Rd		Copy To: Sam Davies samantha.davies@vistracorp.com		Company Name: Vistra Corp				
Danville, IL 61834		Dianna Tickner - dianna.tickner@vistracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.		Quote Reference		UST RCRA OTHER		
Phone: (217) 753-8911		Project Name		Project Manager		Site Location		IL
Fax:		Project Number: 50022750		Profile #:		STATE		
Requested Due Date/TAT: 10 day								

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER <u>Lorne F. Lewis</u>					
SIGNATURE of SAMPLER <u>[Signature]</u>	DATE Signed (MM/DD/YY) <u>10-24-24</u>				

$$\begin{array}{l} 5.8 \rightarrow 5.6, 3.8 \rightarrow 3.6 \\ 4.3 \rightarrow 4.1, 4.3 \rightarrow 4.1 \end{array}$$

VERMILION POWER PLANT, NORTH ASH POND AND OLD EAST ASH POND

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

500-25003-845-910-911

Section A
 Required Client Information.

Section B
 Required Project Information.

Section C
 Invoice Information.

Page 2 of 3

Company: Vistra Corp-Vermillion		Report To: Brian Voelker		Attention: Dianna Tickner	
Address: 10188 E 2150 North Rd		Copy To: Sam Davies samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Danville, IL 61834		Dianna Tickner - dianna.tickner@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.		Quote Reference	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 50022750		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location	IL	
STATE		

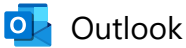
ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_C								
1	VER_022															X	X		X													
2	VER_034															X	X		X													
3	VER_035&D															X	X	X	X													
4	VER_035#S															X	X	X	X													
5	VER_036				10-23-24	08:10										X	X		X													
6	VER_037				10-23-24	08:50										X	X		X													
7	VER_038				10-23-24	14:20										X	X		X													
8	VER_038 FD				10-23-24	14:35										X	X		X													
9	VER_041															X	X		X													
10	VER_042															X	X		X													
11	VER_043															X	X		X													
12	VER_043 FD															X	X		X													
13	VER_070&D															X		X	X													
14	VER_070#S															X	X		X													
15	VER_071&D															X	X		X													
16	VER_071#S															X	X		X													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q4 Rev 0	Lorne Filewicz	10-24-24	0800	Stephanie Hernandez EETA	10/24/24	1115	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER	Lorne Filewicz				
SIGNATURE of SAMPLER	10-24-24				

Page 2 of 3

[illegible]11/22/24



Re: VER sample question

From George Assalley <george@a3e.com>
Date Thu 10/24/2024 9:05 AM
To Dirk Nelson <Dirk.Nelson@et.eurofinsus.com>

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hey Dirk,

The #9 sample bottles collected were from Well Ver_035&D. The COC must have been mislabeled. I apologize for any confusion.

Thanks

George Assalley

[A3 Environmental Consultants](#)

T: (317) 910-8662

On Thu, Oct 24, 2024 at 8:46 AM Dirk Nelson <Dirk.Nelson@et.eurofinsus.com> wrote:

Per sample receiving - Sample #9, received yesterday, was recorded on the COC as VER_035#S, collected on 10/22 at 0855. The bottles received were labeled VER_035&D. Please confirm which well this actually is.

Thanks,

Dirk Nelson

Project Management Assistant

Eurofins Environment Testing North Central - Chicago

[2417 Bond Street](#)

[University Park, IL 60484 USA](#)

Phone: 708-534-5200 ext. 847116

Dirk.Nelson@ET.EurofinsUS.com

www.EurofinsUS.com/Env

Follow Us! [Facebook](#) | [LinkedIn](#)

Due Diligence • Remediation • Ecology • Industrial Health



Environment Testing

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 4, 2024

VERMILION POWER PLANT, NORTH ASH POND AND OLD EAST ASH POND

VER-845-910-911

Client Information (Sub Contract Lab)						Lab PM	Carrier Tracking No(s)	GOC No
Client Contact						N/A	N/A	500-194220-1
Shipping/Receiving						E-Mail	State of Origin	Page
Company						Dirk.Nelson@et-eurofins.com	Illinois	Page 1 of 1
TestAmerica Laboratories, Inc.						Accreditations Required (See note)		
Address						NELAP - Illinois		
City						Analysis Requested		
State, Zip						Preservation Codes:		
Phone								
Email								
Project Name								
Site								
13715 Rider Trail North,						Due Date Requested:		
Earth City						TAT Requested (days):		
MO, 63045						N/A		
314-298-8566(Tel) 314-298-8757(Fax)						PO #		
						N/A		
						WO #		
						N/A		
VER-24Q4						Project #		
						50022750		
N/A						SSOW#		
						N/A		
Sample Identification - Client ID (Lab ID)						Field Filtered Sample (Yes or No)		
VER_010 (500-258836-1)						Perform MS/MSD (Yes or No)		
						Ra226_228GFPc_P/ BL		
						904.0/PrecSep_0 BL		
						903.0/PrecSep_21 BL		
VER_FB (500-258836-2)						Matrix		
						(W=water, S=solid, O=waste/oil, BT=Tissue, Anal)		
						Sample Type		
						(C=comp, G=grab)		
						Preservation Code		
VER_EB (500-258836-3)						Sample Time		
						Central		
						07:00		
						07:30		
						Central		
						Water		
						Water		
						Water		
						Total Number of containers		
						Special Instructions/Note:		
						Other: N/A		

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
Deliverable Requested: I, II, III, IV, Other (specify)
Primary Deliverable Rank: 2

Empty Kit Relinquished by:
Relinquished by: [Signature]
Relinquished by: [Signature]
Relinquished by: [Signature]

Custody Seals Intact:
Δ Yes Δ No

Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

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

Special Instructions/QC Requirements:

Date: 10/22/24 15:30
Date/Time: 10/22/24 15:30
Received by: M. Pinette
Received by: Meadow Pinette
Received by: Meadow Pinette
Cooler Temperature(s) °C and Other Remarks:



Environment Testing

Chain of Custody Record

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone: 708-534-5200 Fax: 708-534-5211

Client Information (Sub Contract Lab)				Lab PM	Carrier Tracking No(s)	COC No
Client Contact				N/A	N/A	500-194351.1
Shipping/Receiving				E-Mail	State of Origin	Page
Company				Dirk Nelson@et.eurofinsus.com	Illinois	Page 1 of 2
TestAmerica Laboratories, Inc.				Accreditations Required (See note)		Job #
Address:				NELAP - Illinois		500-258836-2
City				Analysis Requested		Preservation Codes:
State Zip						
MO, 63045						
Phone						
314-298-8566(Tel) 314-298-8757(Fax)						
Email						
N/A						
Project #						
50022750						
VER-24Q4						
Site						
N/A						
Due Date Requested:				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)
11/21/2024						903.0/PreSep_11 BL
TAT Requested (days):						904.0/PreSep_0 BL
N/A						Ra226.228GFP_C_P/BL
PO #						
N/A						
WO #						
N/A						
Sample Date				Sample Time		Sample Type (C=Comp, G=grab)
						Matrix (W=water, S=solid, O=other)
						Preservation Code:
Sample Identification - Client ID (Lab ID)						
VER_003R (500-258836-4)				10/22/24		13:00
						Central
VER_003R_FD (500-258836-5)				10/22/24		13:05
						Central
VER_004 (500-258836-6)				10/22/24		12:15
						Central
VER_005 (500-258836-7)				10/22/24		11:30
						Central
VER_016A (500-258836-8)				10/22/24		08:40
						Central
VER_035&D (500-258836-9)				10/22/24		08:55
						Central
VER_042 (500-258836-10)				10/22/24		15:10
						Central
VER_042_MS (500-258836-10MS)				10/22/24		15:10
						Central
VER_042_MSD (500-258836-10MSD)				10/22/24		15:10
						Central

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/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

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

Primary Deliverable Rank: 2

Empty Kit Relinquished by:

Relinquished by: *[Signature]*

Relinquished by:

Relinquished by:

Date: 10/24/24 19:10

Date/Time:

Date/Time:

Date/Time:

Company: *[Signature]*

Company: *[Signature]*

Company:

Company:

Custody Seal No.:

Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record



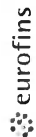
Environment Testing

[illegible]

Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Nelson, Dirk	Carrier Tracking No(s): N/A	COC No: 500-194351.1
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Dirk.Nelson@eurofins.com	State of Origin: Illinois	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois			Job #: 500-258836-1
Address: 13715 Rider Trail North,		Preservation Codes:			
City: Earth City		Analysis Requested:			
State, Zip: MO, 63045		Due Date Requested: 11/17/2024			
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		TAT Requested (days): N/A			
Email: N/A		PO #: N/A			
Project Name: VER-24Q4		W/O #: N/A			
Site: N/A		Project #: 50022750			
		SSOW#: N/A			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=Butter, AA=Air)
VER_002 (500-258836-17)		10/23/24	10:10	G	Water
VER_007R (500-258836-18)		10/23/24	10:50	G	Water
VER_101& (500-258836-19)		10/23/24	08:35	G	Water
VER_103& (500-258836-20)		10/23/24	10:20	G	Water
VER_020 (500-258836-21)		10/23/24	15:45	G	Water
VER_021 (500-258836-22)		10/23/24	11:55	G	Water
VER_021_MS (500-258836-22MS)		10/23/24	11:55	G	Water
VER_021_MSD (500-258836-22MSD)		10/23/24	11:55	G	Water
VER_036 (500-258836-23)		10/23/24	08:10	G	Water
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/test/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.		Field Filtered Sample (Yes or No)			
		Perform MS/MSD (Yes or No)			
		904.0/PreSep_2.1 BL			
		904.0/PreSep_0 BL			
		Ra226, 228GFP, P/BL			
		Total Number of containers			
		Special Instructions/Note:			
		Other: N/A			
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed		Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements			
Empty Kit Relinquished by: [Signature]		Time: [Signature]			
Relinquished by: [Signature]		Date: 10/24/24 15:10			
Relinquished by: [Signature]		Company: EFT			
Relinquished by: [Signature]		Received by: [Signature]			
Custody Seals Intact: ☐ Yes ☐ No		Received by: Cheyenne Forrest			
		Date/Time: 10/25/24 08:50			
		Company: EFT			
		Date/Time: [Signature]			
		Company: [Signature]			
		Cooler Temperature(s) °C and Other Remarks:			

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-258836-2

SDG Number: VER_000_RAD

Login Number: 258836

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	2.9,5.1,4.2,3.4,3.6,5.6,3.6,4.1,4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No sample date and/or time on COC, logged in per container labels.
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.	False	No date or time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	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: 500-258836-2
SDG Number: VER_000_RAD

Login Number: 258836

List Number: 2

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 10/23/24 02:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-258836-2

SDG Number: VER_000_RAD

Login Number: 258836

List Number: 3

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 10/25/24 04:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: Vistra Energy Corp
Project/Site: VER-24Q4

VER-845-910-911
Job ID: 500-258836-2
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)	
500-258836-1	VER_010	84.8	
500-258836-2	VER_FB	96.1	
500-258836-3	VER_EB	85.8	
500-258836-4	VER_003R	89.0	
500-258836-5	VER_003R_FD	84.6	
500-258836-6	VER_004	89.7	
500-258836-7	VER_005	90.5	
500-258836-8	VER_016A	89.7	
500-258836-9	VER_035&D	89.5	
500-258836-10	VER_042	89.0	
500-258836-10 MS	VER_042_MS	91.4	
500-258836-10 MSD	VER_042_MSD	90.0	
500-258836-11	VER_043	86.6	
500-258836-12	VER_043_FD	92.7	
500-258836-13	VER_070&D	72.9	
500-258836-14	VER_070#S	90.7	
500-258836-17	VER_002	75.3	
500-258836-18	VER_007R	83.6	
500-258836-19	VER_101&	72.4	
500-258836-20	VER_103&	89.0	
500-258836-21	VER_020	91.0	
500-258836-22	VER_021	80.0	
500-258836-22 MS	VER_021_MS	71.6	
500-258836-22 MSD	VER_021_MSD	68.2	
500-258836-23	VER_036	94.9	
500-258836-24	VER_037	89.7	
500-258836-25	VER_038	89.2	
500-258836-26	VER_038_FD	87.3	
500-258836-27	VER_022	83.1	
500-258836-28	VER_034	58.2	
500-258836-29	VER_041	85.8	
LCS 160-685118/2-A	Lab Control Sample	80.4	
LCS 160-685737/2-A	Lab Control Sample	89.7	
LCS 160-685741/2-A	Lab Control Sample	85.1	
LCS 160-685745/2-A	Lab Control Sample	91.7	
MB 160-685118/1-A	Method Blank	95.6	
MB 160-685737/1-A	Method Blank	91.7	
MB 160-685741/1-A	Method Blank	86.6	
MB 160-685745/1-A	Method Blank	85.3	

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-258836-1	VER_010	84.8	81.1

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: VER-24Q4

Job ID: 500-258836-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-258836-2	VER_FB	96.1	89.0
500-258836-3	VER_EB	85.8	83.0
500-258836-4	VER_003R	89.0	77.0
500-258836-5	VER_003R_FD	84.6	73.3
500-258836-6	VER_004	89.7	78.1
500-258836-7	VER_005	90.5	76.6
500-258836-8	VER_016A	89.7	76.6
500-258836-9	VER_035&D	89.5	79.6
500-258836-10	VER_042	89.0	76.6
500-258836-10 MS	VER_042_MS	91.4	81.1
500-258836-10 MSD	VER_042_MSD	90.0	81.5
500-258836-11	VER_043	86.6	83.0
500-258836-12	VER_043_FD	92.7	79.3
500-258836-13	VER_070&D	72.9	78.9
500-258836-14	VER_070#S	90.7	78.5
500-258836-17	VER_002	75.3	77.8
500-258836-18	VER_007R	83.6	80.7
500-258836-19	VER_101&	72.4	80.0
500-258836-20	VER_103&	89.0	78.1
500-258836-21	VER_020	91.0	82.2
500-258836-22	VER_021	80.0	86.4
500-258836-22 MS	VER_021_MS	71.6	86.0
500-258836-22 MSD	VER_021_MSD	68.2	72.9
500-258836-23	VER_036	94.9	83.4
500-258836-24	VER_037	89.7	78.5
500-258836-25	VER_038	89.2	81.5
500-258836-26	VER_038_FD	87.3	80.7
500-258836-27	VER_022	83.1	83.0
500-258836-28	VER_034	58.2	80.0
500-258836-29	VER_041	85.8	86.0
LCS 160-685120/2-A	Lab Control Sample	80.4	85.6
LCS 160-685738/2-A	Lab Control Sample	89.7	82.6
LCS 160-685743/2-A	Lab Control Sample	85.1	83.0
LCS 160-685748/2-A	Lab Control Sample	91.7	84.9
MB 160-685120/1-A	Method Blank	95.6	83.4
MB 160-685738/1-A	Method Blank	91.7	81.5
MB 160-685743/1-A	Method Blank	86.6	82.6
MB 160-685748/1-A	Method Blank	85.3	80.4

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 4, 2024**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Antimony, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.003	0.00100
02	LGU	E007	Arsenic, total	mg/L	03/31/21 - 10/23/24	14	7	CI around mean	0.00596	0.0600
02	LGU	E007	Barium, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.197	0.520
02	LGU	E007	Beryllium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.001
02	LGU	E007	Boron, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.311	2.45
02	LGU	E007	Cadmium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0005	0.001
02	LGU	E007	Chloride, total	mg/L	03/31/21 - 10/23/24	14	0	CI around median	35	82.0
02	LGU	E007	Chromium, total	mg/L	03/31/21 - 10/23/24	14	93	CB around T-S line	0.0015	0.0200
02	LGU	E007	Cobalt, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.00400
02	LGU	E007	Fluoride, total	mg/L	03/31/21 - 10/23/24	14	7	CB around linear reg	0.511	1.14
02	LGU	E007	Lead, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.0005	0.00600
02	LGU	E007	Lithium, total	mg/L	03/31/21 - 10/23/24	14	57	CI around median	0.0034	0.0300
02	LGU	E007	Mercury, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0002	0.0002
02	LGU	E007	Molybdenum, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.005	0.0200
02	LGU	E007	pH (field)	SU	03/31/21 - 10/23/24	14	0	CI around mean	7.4/7.8	6.8/7.8
02	LGU	E007	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 10/23/24	13	0	CI around mean	0.548	1.90
02	LGU	E007	Selenium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0025	0.001
02	LGU	E007	Sulfate, total	mg/L	03/31/21 - 10/23/24	14	0	CB around linear reg	-20.9	227
02	LGU	E007	Thallium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.002	0.002
02	LGU	E007	Total Dissolved Solids	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	566	746
03R	LGU	E007	Antimony, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.003	0.00100
03R	LGU	E007	Arsenic, total	mg/L	03/30/21 - 10/22/24	15	0	CI around geomean	0.00523	0.0600
03R	LGU	E007	Barium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.293	0.520
03R	LGU	E007	Beryllium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.001	0.001
03R	LGU	E007	Boron, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	27.4	2.45
03R	LGU	E007	Cadmium, total	mg/L	03/30/21 - 10/22/24	15	80	CI around median	0.0005	0.001
03R	LGU	E007	Chloride, total	mg/L	03/30/21 - 10/22/24	15	2	CB around linear reg	20.2	82.0

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Chromium, total	mg/L	03/30/21 - 10/22/24	15	87	CB around T-S line	0.0015	0.0200
03R	LGU	E007	Cobalt, total	mg/L	03/30/21 - 10/22/24	15	87	CI around median	0.001	0.00400
03R	LGU	E007	Fluoride, total	mg/L	03/30/21 - 10/22/24	15	7	CI around mean	0.437	1.14
03R	LGU	E007	Lead, total	mg/L	03/30/21 - 10/22/24	15	53	CI around median	0.001	0.00600
03R	LGU	E007	Lithium, total	mg/L	03/30/21 - 10/22/24	15	80	CB around T-S line	0.003	0.0300
03R	LGU	E007	Mercury, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0002	0.0002
03R	LGU	E007	Molybdenum, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	0.342	0.0200
03R	LGU	E007	pH (field)	SU	03/30/21 - 10/22/24	15	0	CI around mean	7.2/7.4	6.8/7.8
03R	LGU	E007	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 10/22/24	13	0	CI around mean	1.13	1.90
03R	LGU	E007	Selenium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0025	0.001
03R	LGU	E007	Sulfate, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	494	227
03R	LGU	E007	Thallium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.002	0.002
03R	LGU	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	1,110	746
04	UA	E007	Antimony, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.003	0.00100
04	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/22/24	15	7	CI around geomean	0.00552	0.0600
04	UA	E007	Barium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.224	0.520
04	UA	E007	Beryllium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.001	0.001
04	UA	E007	Boron, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	8.56	2.45
04	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0005	0.001
04	UA	E007	Chloride, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	10.1	82.0
04	UA	E007	Chromium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.005	0.0200
04	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/22/24	15	93	Most recent sample	0.001	0.00400
04	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/22/24	15	7	CI around median	0.3	1.14
04	UA	E007	Lead, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0005	0.00600
04	UA	E007	Lithium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.0464	0.0300
04	UA	E007	Mercury, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0002	0.0002
04	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	0.0347	0.0200

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	pH (field)	SU	03/30/21 - 10/22/24	15	0	CI around mean	7.4/7.6	6.8/7.8
04	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 10/22/24	13	0	CI around mean	0.791	1.90
04	UA	E007	Selenium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0025	0.001
04	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	-10.6	227
04	UA	E007	Thallium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.002	0.002
04	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	367	746
05	UA	E007	Antimony, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.003	0.00100
05	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.001	0.0600
05	UA	E007	Barium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.0227	0.520
05	UA	E007	Beryllium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.001	0.001
05	UA	E007	Boron, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	17.6	2.45
05	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0005	0.001
05	UA	E007	Chloride, total	mg/L	03/30/21 - 10/22/24	15	2	CB around linear reg	5.13	82.0
05	UA	E007	Chromium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.005	0.0200
05	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/22/24	15	87	CI around median	0.001	0.00400
05	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/22/24	15	7	CB around linear reg	0.575	1.14
05	UA	E007	Lead, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0005	0.00600
05	UA	E007	Lithium, total	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	0.0869	0.0300
05	UA	E007	Mercury, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0002	0.0002
05	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/22/24	15	0	CB around linear reg	0.0425	0.0200
05	UA	E007	pH (field)	SU	03/30/21 - 10/22/24	15	0	CB around linear reg	7.4/7.7	6.8/7.8
05	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 10/22/24	13	0	CI around mean	0.121	1.90
05	UA	E007	Selenium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.0025	0.001
05	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/22/24	15	0	CI around median	220	227
05	UA	E007	Thallium, total	mg/L	03/30/21 - 10/22/24	15	100	All ND - Last	0.002	0.002
05	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/22/24	15	0	CI around mean	538	746
07R	UA	E007	Antimony, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.001	0.00100

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Arsenic, total	mg/L	05/12/21 - 10/23/24	10	10	CI around geomean	0.00114	0.0600
07R	UA	E007	Barium, total	mg/L	05/12/21 - 10/23/24	10	0	CI around median	0.0176	0.520
07R	UA	E007	Beryllium, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.001	0.001
07R	UA	E007	Boron, total	mg/L	05/12/21 - 10/23/24	10	0	CB around linear reg	37.2	2.45
07R	UA	E007	Cadmium, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.0005	0.001
07R	UA	E007	Chloride, total	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	4.35	82.0
07R	UA	E007	Chromium, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.0015	0.0200
07R	UA	E007	Cobalt, total	mg/L	05/12/21 - 10/23/24	10	80	CI around median	0.001	0.00400
07R	UA	E007	Fluoride, total	mg/L	05/12/21 - 10/23/24	10	20	CI around mean	0.101	1.14
07R	UA	E007	Lead, total	mg/L	05/12/21 - 10/23/24	10	70	CI around median	0.0005	0.00600
07R	UA	E007	Lithium, total	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	0.546	0.0300
07R	UA	E007	Mercury, total	mg/L	05/12/21 - 10/23/24	10	100	All ND - Last	0.0002	0.0002
07R	UA	E007	Molybdenum, total	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	0.344	0.0200
07R	UA	E007	pH (field)	SU	05/12/21 - 10/23/24	10	0	CI around mean	7.3/7.7	6.8/7.8
07R	UA	E007	Radium 226 + Radium 228, total	pCi/L	05/12/21 - 10/23/24	10	0	CI around geomean	0.266	1.90
07R	UA	E007	Selenium, total	mg/L	05/12/21 - 10/23/24	10	30	CI around mean	0.0018	0.001
07R	UA	E007	Sulfate, total	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	1,760	227
07R	UA	E007	Thallium, total	mg/L	05/12/21 - 10/23/24	10	100	All ND - Last	0.002	0.002
07R	UA	E007	Total Dissolved Solids	mg/L	05/12/21 - 10/23/24	10	0	CI around mean	2,870	746
08R	UA	E007	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.00100
08R	UA	E007	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.0600
08R	UA	E007	Barium, total	mg/L	--	--	--	--	NS ⁷	0.520
08R	UA	E007	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.001
08R	UA	E007	Boron, total	mg/L	--	--	--	--	NS ⁷	2.45
08R	UA	E007	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.001
08R	UA	E007	Chloride, total	mg/L	--	--	--	--	NS ⁷	82.0
08R	UA	E007	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.0200

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.00400
08R	UA	E007	Fluoride, total	mg/L	--	--	--	--	NS ⁷	1.14
08R	UA	E007	Lead, total	mg/L	--	--	--	--	NS ⁷	0.00600
08R	UA	E007	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.0300
08R	UA	E007	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.0002
08R	UA	E007	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.0200
08R	UA	E007	pH (field)	SU	--	--	--	--	NS ⁷	6.8/7.8
08R	UA	E007	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	1.90
08R	UA	E007	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.001
08R	UA	E007	Sulfate, total	mg/L	--	--	--	--	NS ⁷	227
08R	UA	E007	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002
08R	UA	E007	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	746
17	UA	E007	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.00100
17	UA	E007	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.0600
17	UA	E007	Barium, total	mg/L	--	--	--	--	NS ⁷	0.520
17	UA	E007	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.001
17	UA	E007	Boron, total	mg/L	--	--	--	--	NS ⁷	2.45
17	UA	E007	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.001
17	UA	E007	Chloride, total	mg/L	--	--	--	--	NS ⁷	82.0
17	UA	E007	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.0200
17	UA	E007	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.00400
17	UA	E007	Fluoride, total	mg/L	--	--	--	--	NS ⁷	1.14
17	UA	E007	Lead, total	mg/L	--	--	--	--	NS ⁷	0.00600
17	UA	E007	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.0300
17	UA	E007	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.0002
17	UA	E007	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.0200
17	UA	E007	pH (field)	SU	--	--	--	--	NS ⁷	6.8/7.8

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	1.90
17	UA	E007	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.001
17	UA	E007	Sulfate, total	mg/L	--	--	--	--	NS ⁷	227
17	UA	E007	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002
17	UA	E007	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	746
20	UA	E007	Antimony, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.003	0.00100
20	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/23/24	15	60	CI around median	0.001	0.0600
20	UA	E007	Barium, total	mg/L	03/30/21 - 10/23/24	15	0	CI around mean	0.0183	0.520
20	UA	E007	Beryllium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.001	0.001
20	UA	E007	Boron, total	mg/L	03/30/21 - 10/23/24	15	0	CB around linear reg	1.67	2.45
20	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0005	0.001
20	UA	E007	Chloride, total	mg/L	03/30/21 - 10/23/24	15	14	CI around geomean	3.88	82.0
20	UA	E007	Chromium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.005	0.0200
20	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/23/24	15	87	CI around median	0.001	0.00400
20	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.1	1.14
20	UA	E007	Lead, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0005	0.00600
20	UA	E007	Lithium, total	mg/L	03/30/21 - 10/23/24	15	0	CI around geomean	0.0209	0.0300
20	UA	E007	Mercury, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0002	0.0002
20	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/23/24	15	93	CB around T-S line	0.0015	0.0200
20	UA	E007	pH (field)	SU	03/30/21 - 10/23/24	15	0	CI around median	6.9/7.1	6.8/7.8
20	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 10/23/24	13	0	CI around mean	0.399	1.90
20	UA	E007	Selenium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0025	0.001
20	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/23/24	15	0	CI around geomean	76.7	227
20	UA	E007	Thallium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.002	0.002
20	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/23/24	15	0	CI around mean	412	746
34	LGU	E007	Antimony, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.003	0.00100
34	LGU	E007	Arsenic, total	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	0.0246	0.0600

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Barium, total	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	0.155	0.520
34	LGU	E007	Beryllium, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.001	0.001
34	LGU	E007	Boron, total	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	0.48	2.45
34	LGU	E007	Cadmium, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.0005	0.001
34	LGU	E007	Chloride, total	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	32.7	82.0
34	LGU	E007	Chromium, total	mg/L	03/30/21 - 10/24/24	14	43	CI around mean	0.00208	0.0200
34	LGU	E007	Cobalt, total	mg/L	03/30/21 - 10/24/24	14	50	CI around median	0.001	0.00400
34	LGU	E007	Fluoride, total	mg/L	03/30/21 - 10/24/24	14	7	CI around median	0.62	1.14
34	LGU	E007	Lead, total	mg/L	03/30/21 - 10/24/24	14	14	CI around mean	0.00136	0.00600
34	LGU	E007	Lithium, total	mg/L	03/30/21 - 10/24/24	14	43	CI around mean	0.00338	0.0300
34	LGU	E007	Mercury, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.0002	0.0002
34	LGU	E007	Molybdenum, total	mg/L	03/30/21 - 10/24/24	14	93	CI around median	0.0015	0.0200
34	LGU	E007	pH (field)	SU	03/30/21 - 10/24/24	14	0	CI around mean	7.0/7.2	6.8/7.8
34	LGU	E007	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 10/24/24	12	0	CI around mean	0.497	1.90
34	LGU	E007	Selenium, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.0025	0.001
34	LGU	E007	Sulfate, total	mg/L	03/30/21 - 10/24/24	14	89	CB around T-S line	-2.75	227
34	LGU	E007	Thallium, total	mg/L	03/30/21 - 10/24/24	14	100	All ND - Last	0.002	0.002
34	LGU	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/24/24	14	0	CI around mean	481	746
36	UA	E007	Antimony, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.003	0.00100
36	UA	E007	Arsenic, total	mg/L	03/31/21 - 10/23/24	14	14	CB around linear reg	0.00219	0.0600
36	UA	E007	Barium, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.0929	0.520
36	UA	E007	Beryllium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.001
36	UA	E007	Boron, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	12.2	2.45
36	UA	E007	Cadmium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0005	0.001
36	UA	E007	Chloride, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	16.5	82.0
36	UA	E007	Chromium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.005	0.0200
36	UA	E007	Cobalt, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.001	0.00400

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Fluoride, total	mg/L	03/31/21 - 10/23/24	14	7	CI around median	0.25	1.14
36	UA	E007	Lead, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.0005	0.00600
36	UA	E007	Lithium, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.148	0.0300
36	UA	E007	Mercury, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0002	0.0002
36	UA	E007	Molybdenum, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	0.116	0.0200
36	UA	E007	pH (field)	SU	03/31/21 - 10/23/24	14	0	CI around mean	7.0/7.3	6.8/7.8
36	UA	E007	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 10/23/24	13	0	CI around mean	1	1.90
36	UA	E007	Selenium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.013	0.001
36	UA	E007	Sulfate, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	969	227
36	UA	E007	Thallium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.01	0.002
36	UA	E007	Total Dissolved Solids	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	1,670	746
37	LGU	E007	Antimony, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.003	0.00100
37	LGU	E007	Arsenic, total	mg/L	03/31/21 - 10/23/24	14	0	CB around T-S line	0.0367	0.0600
37	LGU	E007	Barium, total	mg/L	03/31/21 - 10/23/24	14	0	CB around linear reg	0.318	0.520
37	LGU	E007	Beryllium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.001
37	LGU	E007	Boron, total	mg/L	03/31/21 - 10/23/24	14	0	CB around linear reg	1.86	2.45
37	LGU	E007	Cadmium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0005	0.001
37	LGU	E007	Chloride, total	mg/L	03/31/21 - 10/23/24	14	0	CI around mean	41.2	82.0
37	LGU	E007	Chromium, total	mg/L	03/31/21 - 10/23/24	14	93	CB around T-S line	0.0015	0.0200
37	LGU	E007	Cobalt, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.001	0.00400
37	LGU	E007	Fluoride, total	mg/L	03/31/21 - 10/23/24	14	7	CI around mean	0.563	1.14
37	LGU	E007	Lead, total	mg/L	03/31/21 - 10/23/24	14	79	CI around median	0.0005	0.00600
37	LGU	E007	Lithium, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.003	0.0300
37	LGU	E007	Mercury, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0002	0.0002
37	LGU	E007	Molybdenum, total	mg/L	03/31/21 - 10/23/24	14	93	CI around median	0.0015	0.0200
37	LGU	E007	pH (field)	SU	03/31/21 - 10/23/24	14	0	CI around mean	6.9/7.1	6.8/7.8
37	LGU	E007	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 10/23/24	13	0	CI around mean	0.982	1.90

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Selenium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.0025	0.001
37	LGU	E007	Sulfate, total	mg/L	03/31/21 - 10/23/24	14	0	CB around T-S line	249	227
37	LGU	E007	Thallium, total	mg/L	03/31/21 - 10/23/24	14	100	All ND - Last	0.002	0.002
37	LGU	E007	Total Dissolved Solids	mg/L	03/31/21 - 10/23/24	14	0	CB around linear reg	855	746
38	UA	E007	Antimony, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.003	0.00100
38	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/23/24	15	0	CB around linear reg	0.0306	0.0600
38	UA	E007	Barium, total	mg/L	03/30/21 - 10/23/24	15	0	CB around T-S line	-0.0161	0.520
38	UA	E007	Beryllium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.001	0.001
38	UA	E007	Boron, total	mg/L	03/30/21 - 10/23/24	15	0	CI around mean	0.426	2.45
38	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0005	0.001
38	UA	E007	Chloride, total	mg/L	03/30/21 - 10/23/24	15	0	CB around linear reg	13.4	82.0
38	UA	E007	Chromium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.005	0.0200
38	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.001	0.00400
38	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/23/24	15	7	CI around median	0.35	1.14
38	UA	E007	Lead, total	mg/L	03/30/21 - 10/23/24	15	93	CI around median	0.0005	0.00600
38	UA	E007	Lithium, total	mg/L	03/30/21 - 10/23/24	15	60	CI around median	0.003	0.0300
38	UA	E007	Mercury, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0002	0.0002
38	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/23/24	15	47	CI around mean	0.00248	0.0200
38	UA	E007	pH (field)	SU	03/30/21 - 10/23/24	15	0	CI around mean	7.0/7.1	6.8/7.8
38	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 10/23/24	13	0	CI around mean	1.08	1.90
38	UA	E007	Selenium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.0025	0.001
38	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/23/24	15	93	CB around T-S line	-2.19	227
38	UA	E007	Thallium, total	mg/L	03/30/21 - 10/23/24	15	100	All ND - Last	0.002	0.002
38	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/23/24	15	0	CI around mean	509	746
41	UA	E007	Antimony, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.003	0.00100
41	UA	E007	Arsenic, total	mg/L	03/30/21 - 10/24/24	15	0	CB around linear reg	0.0106	0.0600
41	UA	E007	Barium, total	mg/L	03/30/21 - 10/24/24	15	0	CI around mean	0.232	0.520

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Beryllium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.001	0.001
41	UA	E007	Boron, total	mg/L	03/30/21 - 10/24/24	15	0	CB around linear reg	2.96	2.45
41	UA	E007	Cadmium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.0005	0.001
41	UA	E007	Chloride, total	mg/L	03/30/21 - 10/24/24	15	0	CB around linear reg	45.3	82.0
41	UA	E007	Chromium, total	mg/L	03/30/21 - 10/24/24	15	93	CI around median	0.0015	0.0200
41	UA	E007	Cobalt, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.001	0.00400
41	UA	E007	Fluoride, total	mg/L	03/30/21 - 10/24/24	15	7	CI around median	0.41	1.14
41	UA	E007	Lead, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.0005	0.00600
41	UA	E007	Lithium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.005	0.0300
41	UA	E007	Mercury, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.0002	0.0002
41	UA	E007	Molybdenum, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.005	0.0200
41	UA	E007	pH (field)	SU	03/30/21 - 10/24/24	15	0	CB around linear reg	7.1/7.3	6.8/7.8
41	UA	E007	Radium 226 + Radium 228, total	pCi/L	04/20/21 - 10/24/24	13	0	CI around mean	1.15	1.90
41	UA	E007	Selenium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.0025	0.001
41	UA	E007	Sulfate, total	mg/L	03/30/21 - 10/24/24	15	87	CB around T-S line	-2.77	227
41	UA	E007	Thallium, total	mg/L	03/30/21 - 10/24/24	15	100	All ND - Last	0.002	0.002
41	UA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/24/24	15	0	CB around linear reg	618	746

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Notes:

- = no data available

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC’s (DMG’s) operating permit application for the North Ash Pond and Old East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:

NA

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 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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.

NS³ = The location was not accessible; therefore, a sample was not collected.

NS⁴ = The location could not be found; therefore, a sample was not collected.

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

For pH, the values presented are the lower / upper limits of the background determination