Luminant

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

October 29, 2024

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

Re: Vermilion Power Plant North Ash Pond 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 3, 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 compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS.

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

A Corrective Measures Assessment (CMA) 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,

Dianna Tickner

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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 3, 2024, North Ash Pond and Old East Ash Pond, Vermilion Power Plant, Oakwood, Illinois

RAMBOLL

ENVIRONMENT
& HEALTH

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

October 29, 2024

Samples were collected from July 29 to August 1, 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 August 30, 2024.

The monitoring well locations are included in **Figure 1**. **Attachment A** summarizes the groundwater elevation data for the Quarter 3, 2024 sampling event. Submersible pumps were removed from monitoring wells 02, 07R, 17, 36, 37, and 40 after the Quarter 2, 2024 sampling event due to the possible risk of damage by onsite activities related to the construction of the groundwater extraction trench north of the Old East Ash Pond; therefore, groundwater samples and a groundwater elevation (monitoring well 40) were not collected for this sampling event. Monitoring well 40 was abandoned on June 4, 2024. A groundwater elevation and a groundwater sample were not collected from monitoring well 34 during this sampling event due to a fallen tree. Groundwater samples were not collected from monitoring wells 101 and 103 during this sampling event due to deep water levels that exceeded the capability of the submersible pump. **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 3, 2024 sampling event.

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

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

TABLES

FIGURES

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

ATTACHMENTS

Attachment A Groundwater Elevation Data - Quarter 3, 2024
Attachment B Laboratory Reports and Field Data Sheets - Quarter 3, 2024
Attachment C Comparison of Statistical Results to Background - Quarter 3, 2024

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 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	E006	07/30/2024	Antimony, total	0.0013 U	mg/L
21	Background	E006	07/30/2024	Arsenic, total	0.0440	mg/L
21	Background	E006	07/30/2024	Barium, total	0.110	mg/L
21	Background	E006	07/30/2024	Beryllium, total	0.00053 U	mg/L
21	Background	E006	07/30/2024	Boron, total	0.830 J+	mg/L
21	Background	E006	07/30/2024	Cadmium, total	0.00017 U	mg/L
21	Background	E006	07/30/2024	Calcium, total	67.0	mg/L
21	Background	E006	07/30/2024	Chloride, total	1.70	mg/L
21	Background	E006	07/30/2024	Chromium, total	0.0011 U	mg/L
21	Background	E006	07/30/2024	Cobalt, total	0.0004 U	mg/L
21	Background	E006	07/30/2024	Dissolved Oxygen	0.260	mg/L
21	Background	E006	07/30/2024	Fluoride, total	1.00	mg/L
21	Background	E006	07/30/2024	Lead, total	0.00019 U	mg/L
21	Background	E006	07/30/2024	Lithium, total	0.0025 J	mg/L
21	Background	E006	07/30/2024	Mercury, total	0.000076 U	mg/L
21	Background	E006	07/30/2024	Molybdenum, total	0.0031 J	mg/L
21	Background	E006	07/30/2024	Oxidation Reduction Potential	-181	mV
21	Background	E006	07/30/2024	pH (field)	7.6	SU
21	Background	E006	07/30/2024	Radium 226 + Radium 228, total	1.16	pCi/L
21	Background	E006	07/30/2024	Selenium, total	0.00098 U	mg/L
21	Background	E006	07/30/2024	Specific Conductance @ 25C (field)	801	micromhos/cm
21	Background	E006	07/30/2024	Sulfate, total	21.0 J	mg/L
21	Background	E006	07/30/2024	Temperature	14.8	degrees C
21	Background	E006	07/30/2024	Thallium, total	0.00057 U	mg/L
21	Background	E006	07/30/2024	Total Dissolved Solids	400	mg/L
21	Background	E006	07/30/2024	Turbidity, field	54.7	NTU
42	Background	E006	07/30/2024	Antimony, total	0.0013 U	mg/L
42	Background	E006	07/30/2024	Arsenic, total	0.0200	mg/L
42	Background	E006	07/30/2024	Barium, total	0.150	mg/L
42	Background	E006	07/30/2024	Beryllium, total	0.00053 U	mg/L
42	Background	E006	07/30/2024	Boron, total	0.660 J+	mg/L
42	Background	E006	07/30/2024	Cadmium, total	0.00017 U	mg/L
42	Background	E006	07/30/2024	Calcium, total	84.0	mg/L
42	Background	E006	07/30/2024	Chloride, total	15.0	mg/L
42	Background	E006	07/30/2024	Chromium, total	0.0011 U	mg/L
42	Background	E006	07/30/2024	Cobalt, total	0.0004 U	mg/L
42	Background	E006	07/30/2024	Dissolved Oxygen	1.18	mg/L
42	Background	E006	07/30/2024	Fluoride, total	0.550	mg/L
42	Background	E006	07/30/2024	Lead, total	0.00019 U	mg/L
42	Background	E006	07/30/2024	Lithium, total	0.003 J	mg/L
42	Background	E006	07/30/2024	Mercury, total	0.000076 U	mg/L
42	Background	E006	07/30/2024	Molybdenum, total	0.0025 U	mg/L
42	Background	E006	07/30/2024	Oxidation Reduction Potential	-138	mV
42	Background	E006	07/30/2024	pH (field)	7.6	SU
42	Background	E006	07/30/2024	Radium 226 + Radium 228, total	0.564	pCi/L
42	Background	E006	07/30/2024	Selenium, total	0.00098 U	mg/L

TABLE 1.
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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	E006	07/30/2024	Specific Conductance @ 25C (field)	1,125	micromhos/cm
42	Background	E006	07/30/2024	Sulfate, total	58.0	mg/L
42	Background	E006	07/30/2024	Temperature	12.6	degrees C
42	Background	E006	07/30/2024	Thallium, total	0.00057 U	mg/L
42	Background	E006	07/30/2024	Total Dissolved Solids	580	mg/L
42	Background	E006	07/30/2024	Turbidity, field	5.40	NTU
43	Background	E006	07/30/2024	Antimony, total	0.0013 U	mg/L
43	Background	E006	07/30/2024	Arsenic, total	0.0110	mg/L
43	Background	E006	07/30/2024	Barium, total	0.430	mg/L
43	Background	E006	07/30/2024	Beryllium, total	0.00053 U	mg/L
43	Background	E006	07/30/2024	Boron, total	1.00	mg/L
43	Background	E006	07/30/2024	Cadmium, total	0.00017 U	mg/L
43	Background	E006	07/30/2024	Calcium, total	85.0	mg/L
43	Background	E006	07/30/2024	Chloride, total	62.0	mg/L
43	Background	E006	07/30/2024	Chromium, total	0.0011 U	mg/L
43	Background	E006	07/30/2024	Cobalt, total	0.0004 U	mg/L
43	Background	E006	07/30/2024	Dissolved Oxygen	0.940	mg/L
43	Background	E006	07/30/2024	Fluoride, total	0.490	mg/L
43	Background	E006	07/30/2024	Lead, total	0.0005 UJ	mg/L
43	Background	E006	07/30/2024	Lithium, total	0.0110	mg/L
43	Background	E006	07/30/2024	Mercury, total	0.000076 U	mg/L
43	Background	E006	07/30/2024	Molybdenum, total	0.0025 U	mg/L
43	Background	E006	07/30/2024	Oxidation Reduction Potential	-102	mV
43	Background	E006	07/30/2024	pH (field)	7.2	SU
43	Background	E006	07/30/2024	Radium 226 + Radium 228, total	0.69	pCi/L
43	Background	E006	07/30/2024	Selenium, total	0.00098 U	mg/L
43	Background	E006	07/30/2024	Specific Conductance @ 25C (field)	1,129	micromhos/cm
43	Background	E006	07/30/2024	Sulfate, total	66.0	mg/L
43	Background	E006	07/30/2024	Temperature	14.9	degrees C
43	Background	E006	07/30/2024	Thallium, total	0.00057 U	mg/L
43	Background	E006	07/30/2024	Total Dissolved Solids	690	mg/L
43	Background	E006	07/30/2024	Turbidity, field	25.3	NTU
101	Background	E006	--	Antimony, total	NS[7]	mg/L
101	Background	E006	--	Arsenic, total	NS[7]	mg/L
101	Background	E006	--	Barium, total	NS[7]	mg/L
101	Background	E006	--	Beryllium, total	NS[7]	mg/L
101	Background	E006	--	Boron, total	NS[7]	mg/L
101	Background	E006	--	Cadmium, total	NS[7]	mg/L
101	Background	E006	--	Calcium, total	NS[7]	mg/L
101	Background	E006	--	Chloride, total	NS[7]	mg/L
101	Background	E006	--	Chromium, total	NS[7]	mg/L
101	Background	E006	--	Cobalt, total	NS[7]	mg/L
101	Background	E006	--	Dissolved Oxygen	NS[7]	mg/L
101	Background	E006	--	Fluoride, total	NS[7]	mg/L
101	Background	E006	--	Lead, total	NS[7]	mg/L
101	Background	E006	--	Lithium, total	NS[7]	mg/L

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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
101	Background	E006	--	Mercury, total	NS[7]	mg/L
101	Background	E006	--	Molybdenum, total	NS[7]	mg/L
101	Background	E006	--	Oxidation Reduction Potential	NS[7]	mV
101	Background	E006	--	pH (field)	NS[7]	SU
101	Background	E006	--	Radium 226 + Radium 228, total	NS[7]	pCi/L
101	Background	E006	--	Selenium, total	NS[7]	mg/L
101	Background	E006	--	Specific Conductance @ 25C (field)	NS[7]	micromhos/cm
101	Background	E006	--	Sulfate, total	NS[7]	mg/L
101	Background	E006	--	Temperature	NS[7]	degrees C
101	Background	E006	--	Thallium, total	NS[7]	mg/L
101	Background	E006	--	Total Dissolved Solids	NS[7]	mg/L
101	Background	E006	--	Turbidity, field	NS[7]	NTU
103	Background	E006	--	Antimony, total	NS[7]	mg/L
103	Background	E006	--	Arsenic, total	NS[7]	mg/L
103	Background	E006	--	Barium, total	NS[7]	mg/L
103	Background	E006	--	Beryllium, total	NS[7]	mg/L
103	Background	E006	--	Boron, total	NS[7]	mg/L
103	Background	E006	--	Cadmium, total	NS[7]	mg/L
103	Background	E006	--	Calcium, total	NS[7]	mg/L
103	Background	E006	--	Chloride, total	NS[7]	mg/L
103	Background	E006	--	Chromium, total	NS[7]	mg/L
103	Background	E006	--	Cobalt, total	NS[7]	mg/L
103	Background	E006	--	Dissolved Oxygen	NS[7]	mg/L
103	Background	E006	--	Fluoride, total	NS[7]	mg/L
103	Background	E006	--	Lead, total	NS[7]	mg/L
103	Background	E006	--	Lithium, total	NS[7]	mg/L
103	Background	E006	--	Mercury, total	NS[7]	mg/L
103	Background	E006	--	Molybdenum, total	NS[7]	mg/L
103	Background	E006	--	Oxidation Reduction Potential	NS[7]	mV
103	Background	E006	--	pH (field)	NS[7]	SU
103	Background	E006	--	Radium 226 + Radium 228, total	NS[7]	pCi/L
103	Background	E006	--	Selenium, total	NS[7]	mg/L
103	Background	E006	--	Specific Conductance @ 25C (field)	NS[7]	micromhos/cm
103	Background	E006	--	Sulfate, total	NS[7]	mg/L
103	Background	E006	--	Temperature	NS[7]	degrees C
103	Background	E006	--	Thallium, total	NS[7]	mg/L
103	Background	E006	--	Total Dissolved Solids	NS[7]	mg/L
103	Background	E006	--	Turbidity, field	NS[7]	NTU
02	Compliance	E006	--	Antimony, total	NS[2]	mg/L
02	Compliance	E006	--	Arsenic, total	NS[2]	mg/L
02	Compliance	E006	--	Barium, total	NS[2]	mg/L
02	Compliance	E006	--	Beryllium, total	NS[2]	mg/L
02	Compliance	E006	--	Boron, total	NS[2]	mg/L
02	Compliance	E006	--	Cadmium, total	NS[2]	mg/L
02	Compliance	E006	--	Calcium, total	NS[2]	mg/L
02	Compliance	E006	--	Chloride, total	NS[2]	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
02	Compliance	E006	--	Chromium, total	NS[2]	mg/L
02	Compliance	E006	--	Cobalt, total	NS[2]	mg/L
02	Compliance	E006	--	Dissolved Oxygen	NS[2]	mg/L
02	Compliance	E006	--	Fluoride, total	NS[2]	mg/L
02	Compliance	E006	--	Lead, total	NS[2]	mg/L
02	Compliance	E006	--	Lithium, total	NS[2]	mg/L
02	Compliance	E006	--	Mercury, total	NS[2]	mg/L
02	Compliance	E006	--	Molybdenum, total	NS[2]	mg/L
02	Compliance	E006	--	Oxidation Reduction Potential	NS[2]	mV
02	Compliance	E006	--	pH (field)	NS[2]	SU
02	Compliance	E006	--	Radium 226 + Radium 228, total	NS[2]	pCi/L
02	Compliance	E006	--	Selenium, total	NS[2]	mg/L
02	Compliance	E006	--	Specific Conductance @ 25C (field)	NS[2]	micromhos/cm
02	Compliance	E006	--	Sulfate, total	NS[2]	mg/L
02	Compliance	E006	--	Temperature	NS[2]	degrees C
02	Compliance	E006	--	Thallium, total	NS[2]	mg/L
02	Compliance	E006	--	Total Dissolved Solids	NS[2]	mg/L
02	Compliance	E006	--	Turbidity, field	NS[2]	NTU
03R	Compliance	E006	07/31/2024	Antimony, total	0.0013 U	mg/L
03R	Compliance	E006	07/31/2024	Arsenic, total	0.00580	mg/L
03R	Compliance	E006	07/31/2024	Barium, total	0.310	mg/L
03R	Compliance	E006	07/31/2024	Beryllium, total	0.00053 U	mg/L
03R	Compliance	E006	07/31/2024	Boron, total	30.0	mg/L
03R	Compliance	E006	07/31/2024	Cadmium, total	0.00017 U	mg/L
03R	Compliance	E006	07/31/2024	Calcium, total	170	mg/L
03R	Compliance	E006	07/31/2024	Chloride, total	22.0	mg/L
03R	Compliance	E006	07/31/2024	Chromium, total	0.005 UJ	mg/L
03R	Compliance	E006	07/31/2024	Cobalt, total	0.00063 J	mg/L
03R	Compliance	E006	07/31/2024	Dissolved Oxygen	0.210	mg/L
03R	Compliance	E006	07/31/2024	Fluoride, total	0.430	mg/L
03R	Compliance	E006	07/31/2024	Lead, total	0.00110 J+	mg/L
03R	Compliance	E006	07/31/2024	Lithium, total	0.00550	mg/L
03R	Compliance	E006	07/31/2024	Mercury, total	0.000076 U	mg/L
03R	Compliance	E006	07/31/2024	Molybdenum, total	0.370	mg/L
03R	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-130	mV
03R	Compliance	E006	07/31/2024	pH (field)	7.4	SU
03R	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	1.89	pCi/L
03R	Compliance	E006	07/31/2024	Selenium, total	0.00098 U	mg/L
03R	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,829	micromhos/cm
03R	Compliance	E006	07/31/2024	Sulfate, total	580	mg/L
03R	Compliance	E006	07/31/2024	Temperature	13.4	degrees C
03R	Compliance	E006	07/31/2024	Thallium, total	0.00057 U	mg/L
03R	Compliance	E006	07/31/2024	Total Dissolved Solids	1,300	mg/L
03R	Compliance	E006	07/31/2024	Turbidity, field	25.2	NTU
04	Compliance	E006	07/31/2024	Antimony, total	0.0013 U	mg/L
04	Compliance	E006	07/31/2024	Arsenic, total	0.00590	mg/L

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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
04	Compliance	E006	07/31/2024	Barium, total	0.240	mg/L
04	Compliance	E006	07/31/2024	Beryllium, total	0.00053 U	mg/L
04	Compliance	E006	07/31/2024	Boron, total	10.0	mg/L
04	Compliance	E006	07/31/2024	Cadmium, total	0.00017 U	mg/L
04	Compliance	E006	07/31/2024	Calcium, total	69.0	mg/L
04	Compliance	E006	07/31/2024	Chloride, total	10.0	mg/L
04	Compliance	E006	07/31/2024	Chromium, total	0.0011 U	mg/L
04	Compliance	E006	07/31/2024	Cobalt, total	0.00056 J	mg/L
04	Compliance	E006	07/31/2024	Dissolved Oxygen	0.160	mg/L
04	Compliance	E006	07/31/2024	Fluoride, total	0.320	mg/L
04	Compliance	E006	07/31/2024	Lead, total	0.00019 U	mg/L
04	Compliance	E006	07/31/2024	Lithium, total	0.0540	mg/L
04	Compliance	E006	07/31/2024	Mercury, total	0.000076 U	mg/L
04	Compliance	E006	07/31/2024	Molybdenum, total	0.0360	mg/L
04	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-151	mV
04	Compliance	E006	07/31/2024	pH (field)	7.6	SU
04	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	1.03	pCi/L
04	Compliance	E006	07/31/2024	Selenium, total	0.00098 U	mg/L
04	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	603	micromhos/cm
04	Compliance	E006	07/31/2024	Sulfate, total	27.0	mg/L
04	Compliance	E006	07/31/2024	Temperature	15.1	degrees C
04	Compliance	E006	07/31/2024	Thallium, total	0.00057 U	mg/L
04	Compliance	E006	07/31/2024	Total Dissolved Solids	440	mg/L
04	Compliance	E006	07/31/2024	Turbidity, field	1.38	NTU
05	Compliance	E006	08/01/2024	Antimony, total	0.0013 U	mg/L
05	Compliance	E006	08/01/2024	Arsenic, total	0.00023 J	mg/L
05	Compliance	E006	08/01/2024	Barium, total	0.0280	mg/L
05	Compliance	E006	08/01/2024	Beryllium, total	0.00053 U	mg/L
05	Compliance	E006	08/01/2024	Boron, total	16.0	mg/L
05	Compliance	E006	08/01/2024	Cadmium, total	0.00017 U	mg/L
05	Compliance	E006	08/01/2024	Calcium, total	110	mg/L
05	Compliance	E006	08/01/2024	Chloride, total	6.50	mg/L
05	Compliance	E006	08/01/2024	Chromium, total	0.0011 U	mg/L
05	Compliance	E006	08/01/2024	Cobalt, total	0.00079 J	mg/L
05	Compliance	E006	08/01/2024	Dissolved Oxygen	0.200	mg/L
05	Compliance	E006	08/01/2024	Fluoride, total	0.650	mg/L
05	Compliance	E006	08/01/2024	Lead, total	0.00019 U	mg/L
05	Compliance	E006	08/01/2024	Lithium, total	0.100	mg/L
05	Compliance	E006	08/01/2024	Mercury, total	0.000076 U	mg/L
05	Compliance	E006	08/01/2024	Molybdenum, total	0.0400	mg/L
05	Compliance	E006	08/01/2024	Oxidation Reduction Potential	33.8	mV
05	Compliance	E006	08/01/2024	pH (field)	7.5	SU
05	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	0.418	pCi/L
05	Compliance	E006	08/01/2024	Selenium, total	0.00098 U	mg/L
05	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,001	micromhos/cm
05	Compliance	E006	08/01/2024	Sulfate, total	250	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 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	E006	08/01/2024	Temperature	14.1	degrees C
05	Compliance	E006	08/01/2024	Thallium, total	0.00057 U	mg/L
05	Compliance	E006	08/01/2024	Total Dissolved Solids	630	mg/L
05	Compliance	E006	08/01/2024	Turbidity, field	3.45	NTU
07R	Compliance	E006	--	Antimony, total	NS[2]	mg/L
07R	Compliance	E006	--	Arsenic, total	NS[2]	mg/L
07R	Compliance	E006	--	Barium, total	NS[2]	mg/L
07R	Compliance	E006	--	Beryllium, total	NS[2]	mg/L
07R	Compliance	E006	--	Boron, total	NS[2]	mg/L
07R	Compliance	E006	--	Cadmium, total	NS[2]	mg/L
07R	Compliance	E006	--	Calcium, total	NS[2]	mg/L
07R	Compliance	E006	--	Chloride, total	NS[2]	mg/L
07R	Compliance	E006	--	Chromium, total	NS[2]	mg/L
07R	Compliance	E006	--	Cobalt, total	NS[2]	mg/L
07R	Compliance	E006	--	Dissolved Oxygen	NS[2]	mg/L
07R	Compliance	E006	--	Fluoride, total	NS[2]	mg/L
07R	Compliance	E006	--	Lead, total	NS[2]	mg/L
07R	Compliance	E006	--	Lithium, total	NS[2]	mg/L
07R	Compliance	E006	--	Mercury, total	NS[2]	mg/L
07R	Compliance	E006	--	Molybdenum, total	NS[2]	mg/L
07R	Compliance	E006	--	Oxidation Reduction Potential	NS[2]	mV
07R	Compliance	E006	--	pH (field)	NS[2]	SU
07R	Compliance	E006	--	Radium 226 + Radium 228, total	NS[2]	pCi/L
07R	Compliance	E006	--	Selenium, total	NS[2]	mg/L
07R	Compliance	E006	--	Specific Conductance @ 25C (field)	NS[2]	micromhos/cm
07R	Compliance	E006	--	Sulfate, total	NS[2]	mg/L
07R	Compliance	E006	--	Temperature	NS[2]	degrees C
07R	Compliance	E006	--	Thallium, total	NS[2]	mg/L
07R	Compliance	E006	--	Total Dissolved Solids	NS[2]	mg/L
07R	Compliance	E006	--	Turbidity, field	NS[2]	NTU
08R	Compliance	E006	07/31/2024	Antimony, total	0.0013 U	mg/L
08R	Compliance	E006	07/31/2024	Arsenic, total	0.0340	mg/L
08R	Compliance	E006	07/31/2024	Barium, total	0.0510	mg/L
08R	Compliance	E006	07/31/2024	Beryllium, total	0.00053 U	mg/L
08R	Compliance	E006	07/31/2024	Boron, total	37.0	mg/L
08R	Compliance	E006	07/31/2024	Cadmium, total	0.00017 U	mg/L
08R	Compliance	E006	07/31/2024	Calcium, total	260	mg/L
08R	Compliance	E006	07/31/2024	Chloride, total	4.90	mg/L
08R	Compliance	E006	07/31/2024	Chromium, total	0.0011 U	mg/L
08R	Compliance	E006	07/31/2024	Cobalt, total	0.0004 U	mg/L
08R	Compliance	E006	07/31/2024	Dissolved Oxygen	0.290	mg/L
08R	Compliance	E006	07/31/2024	Fluoride, total	0.056 U	mg/L
08R	Compliance	E006	07/31/2024	Lead, total	0.00019 U	mg/L
08R	Compliance	E006	07/31/2024	Lithium, total	0.410	mg/L
08R	Compliance	E006	07/31/2024	Mercury, total	0.000076 U	mg/L
08R	Compliance	E006	07/31/2024	Molybdenum, total	0.310	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 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	E006	07/31/2024	Oxidation Reduction Potential	-121	mV
08R	Compliance	E006	07/31/2024	pH (field)	7.8	SU
08R	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.961	pCi/L
08R	Compliance	E006	07/31/2024	Selenium, total	0.00098 U	mg/L
08R	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,716	micromhos/cm
08R	Compliance	E006	07/31/2024	Sulfate, total	760	mg/L
08R	Compliance	E006	07/31/2024	Temperature	15.2	degrees C
08R	Compliance	E006	07/31/2024	Thallium, total	0.00057 U	mg/L
08R	Compliance	E006	07/31/2024	Total Dissolved Solids	1,300	mg/L
08R	Compliance	E006	07/31/2024	Turbidity, field	14	NTU
17	Compliance	E006	--	Antimony, total	NS[2]	mg/L
17	Compliance	E006	--	Arsenic, total	NS[2]	mg/L
17	Compliance	E006	--	Barium, total	NS[2]	mg/L
17	Compliance	E006	--	Beryllium, total	NS[2]	mg/L
17	Compliance	E006	--	Boron, total	NS[2]	mg/L
17	Compliance	E006	--	Cadmium, total	NS[2]	mg/L
17	Compliance	E006	--	Calcium, total	NS[2]	mg/L
17	Compliance	E006	--	Chloride, total	NS[2]	mg/L
17	Compliance	E006	--	Chromium, total	NS[2]	mg/L
17	Compliance	E006	--	Cobalt, total	NS[2]	mg/L
17	Compliance	E006	--	Dissolved Oxygen	NS[2]	mg/L
17	Compliance	E006	--	Fluoride, total	NS[2]	mg/L
17	Compliance	E006	--	Lead, total	NS[2]	mg/L
17	Compliance	E006	--	Lithium, total	NS[2]	mg/L
17	Compliance	E006	--	Mercury, total	NS[2]	mg/L
17	Compliance	E006	--	Molybdenum, total	NS[2]	mg/L
17	Compliance	E006	--	Oxidation Reduction Potential	NS[2]	mV
17	Compliance	E006	--	pH (field)	NS[2]	SU
17	Compliance	E006	--	Radium 226 + Radium 228, total	NS[2]	pCi/L
17	Compliance	E006	--	Selenium, total	NS[2]	mg/L
17	Compliance	E006	--	Specific Conductance @ 25C (field)	NS[2]	micromhos/cm
17	Compliance	E006	--	Sulfate, total	NS[2]	mg/L
17	Compliance	E006	--	Temperature	NS[2]	degrees C
17	Compliance	E006	--	Thallium, total	NS[2]	mg/L
17	Compliance	E006	--	Total Dissolved Solids	NS[2]	mg/L
17	Compliance	E006	--	Turbidity, field	NS[2]	NTU
20	Compliance	E006	07/31/2024	Antimony, total	0.0013 U	mg/L
20	Compliance	E006	07/31/2024	Arsenic, total	0.00130	mg/L
20	Compliance	E006	07/31/2024	Barium, total	0.0200	mg/L
20	Compliance	E006	07/31/2024	Beryllium, total	0.00053 U	mg/L
20	Compliance	E006	07/31/2024	Boron, total	1.80	mg/L
20	Compliance	E006	07/31/2024	Cadmium, total	0.00017 U	mg/L
20	Compliance	E006	07/31/2024	Calcium, total	92.0	mg/L
20	Compliance	E006	07/31/2024	Chloride, total	3.40	mg/L
20	Compliance	E006	07/31/2024	Chromium, total	0.0011 U	mg/L
20	Compliance	E006	07/31/2024	Cobalt, total	0.0004 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 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	E006	07/31/2024	Dissolved Oxygen	0.210	mg/L
20	Compliance	E006	07/31/2024	Fluoride, total	0.082 J	mg/L
20	Compliance	E006	07/31/2024	Lead, total	0.00019 U	mg/L
20	Compliance	E006	07/31/2024	Lithium, total	0.0280	mg/L
20	Compliance	E006	07/31/2024	Mercury, total	0.000076 U	mg/L
20	Compliance	E006	07/31/2024	Molybdenum, total	0.0025 U	mg/L
20	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-20.3	mV
20	Compliance	E006	07/31/2024	pH (field)	7.1	SU
20	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.921	pCi/L
20	Compliance	E006	07/31/2024	Selenium, total	0.00098 U	mg/L
20	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	641	micromhos/cm
20	Compliance	E006	07/31/2024	Sulfate, total	77.0	mg/L
20	Compliance	E006	07/31/2024	Temperature	13.1	degrees C
20	Compliance	E006	07/31/2024	Thallium, total	0.00057 U	mg/L
20	Compliance	E006	07/31/2024	Total Dissolved Solids	390	mg/L
20	Compliance	E006	07/31/2024	Turbidity, field	1.89	NTU
34	Compliance	E006	--	Antimony, total	NS[7]	mg/L
34	Compliance	E006	--	Arsenic, total	NS[7]	mg/L
34	Compliance	E006	--	Barium, total	NS[7]	mg/L
34	Compliance	E006	--	Beryllium, total	NS[7]	mg/L
34	Compliance	E006	--	Boron, total	NS[7]	mg/L
34	Compliance	E006	--	Cadmium, total	NS[7]	mg/L
34	Compliance	E006	--	Calcium, total	NS[7]	mg/L
34	Compliance	E006	--	Chloride, total	NS[7]	mg/L
34	Compliance	E006	--	Chromium, total	NS[7]	mg/L
34	Compliance	E006	--	Cobalt, total	NS[7]	mg/L
34	Compliance	E006	--	Dissolved Oxygen	NS[7]	mg/L
34	Compliance	E006	--	Fluoride, total	NS[7]	mg/L
34	Compliance	E006	--	Lead, total	NS[7]	mg/L
34	Compliance	E006	--	Lithium, total	NS[7]	mg/L
34	Compliance	E006	--	Mercury, total	NS[7]	mg/L
34	Compliance	E006	--	Molybdenum, total	NS[7]	mg/L
34	Compliance	E006	--	Oxidation Reduction Potential	NS[7]	mV
34	Compliance	E006	--	pH (field)	NS[7]	SU
34	Compliance	E006	--	Radium 226 + Radium 228, total	NS[7]	pCi/L
34	Compliance	E006	--	Selenium, total	NS[7]	mg/L
34	Compliance	E006	--	Specific Conductance @ 25C (field)	NS[7]	micromhos/cm
34	Compliance	E006	--	Sulfate, total	NS[7]	mg/L
34	Compliance	E006	--	Temperature	NS[7]	degrees C
34	Compliance	E006	--	Thallium, total	NS[7]	mg/L
34	Compliance	E006	--	Total Dissolved Solids	NS[7]	mg/L
34	Compliance	E006	--	Turbidity, field	NS[7]	NTU
36	Compliance	E006	--	Antimony, total	NS[2]	mg/L
36	Compliance	E006	--	Arsenic, total	NS[2]	mg/L
36	Compliance	E006	--	Barium, total	NS[2]	mg/L
36	Compliance	E006	--	Beryllium, total	NS[2]	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 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	E006	--	Boron, total	NS[2]	mg/L
36	Compliance	E006	--	Cadmium, total	NS[2]	mg/L
36	Compliance	E006	--	Calcium, total	NS[2]	mg/L
36	Compliance	E006	--	Chloride, total	NS[2]	mg/L
36	Compliance	E006	--	Chromium, total	NS[2]	mg/L
36	Compliance	E006	--	Cobalt, total	NS[2]	mg/L
36	Compliance	E006	--	Dissolved Oxygen	NS[2]	mg/L
36	Compliance	E006	--	Fluoride, total	NS[2]	mg/L
36	Compliance	E006	--	Lead, total	NS[2]	mg/L
36	Compliance	E006	--	Lithium, total	NS[2]	mg/L
36	Compliance	E006	--	Mercury, total	NS[2]	mg/L
36	Compliance	E006	--	Molybdenum, total	NS[2]	mg/L
36	Compliance	E006	--	Oxidation Reduction Potential	NS[2]	mV
36	Compliance	E006	--	pH (field)	NS[2]	SU
36	Compliance	E006	--	Radium 226 + Radium 228, total	NS[2]	pCi/L
36	Compliance	E006	--	Selenium, total	NS[2]	mg/L
36	Compliance	E006	--	Specific Conductance @ 25C (field)	NS[2]	micromhos/cm
36	Compliance	E006	--	Sulfate, total	NS[2]	mg/L
36	Compliance	E006	--	Temperature	NS[2]	degrees C
36	Compliance	E006	--	Thallium, total	NS[2]	mg/L
36	Compliance	E006	--	Total Dissolved Solids	NS[2]	mg/L
36	Compliance	E006	--	Turbidity, field	NS[2]	NTU
37	Compliance	E006	--	Antimony, total	NS[2]	mg/L
37	Compliance	E006	--	Arsenic, total	NS[2]	mg/L
37	Compliance	E006	--	Barium, total	NS[2]	mg/L
37	Compliance	E006	--	Beryllium, total	NS[2]	mg/L
37	Compliance	E006	--	Boron, total	NS[2]	mg/L
37	Compliance	E006	--	Cadmium, total	NS[2]	mg/L
37	Compliance	E006	--	Calcium, total	NS[2]	mg/L
37	Compliance	E006	--	Chloride, total	NS[2]	mg/L
37	Compliance	E006	--	Chromium, total	NS[2]	mg/L
37	Compliance	E006	--	Cobalt, total	NS[2]	mg/L
37	Compliance	E006	--	Dissolved Oxygen	NS[2]	mg/L
37	Compliance	E006	--	Fluoride, total	NS[2]	mg/L
37	Compliance	E006	--	Lead, total	NS[2]	mg/L
37	Compliance	E006	--	Lithium, total	NS[2]	mg/L
37	Compliance	E006	--	Mercury, total	NS[2]	mg/L
37	Compliance	E006	--	Molybdenum, total	NS[2]	mg/L
37	Compliance	E006	--	Oxidation Reduction Potential	NS[2]	mV
37	Compliance	E006	--	pH (field)	NS[2]	SU
37	Compliance	E006	--	Radium 226 + Radium 228, total	NS[2]	pCi/L
37	Compliance	E006	--	Selenium, total	NS[2]	mg/L
37	Compliance	E006	--	Specific Conductance @ 25C (field)	NS[2]	micromhos/cm
37	Compliance	E006	--	Sulfate, total	NS[2]	mg/L
37	Compliance	E006	--	Temperature	NS[2]	degrees C
37	Compliance	E006	--	Thallium, total	NS[2]	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 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	E006	--	Total Dissolved Solids	NS[2]	mg/L
37	Compliance	E006	--	Turbidity, field	NS[2]	NTU
38	Compliance	E006	07/30/2024	Antimony, total	0.0013 U	mg/L
38	Compliance	E006	07/30/2024	Arsenic, total	0.0300	mg/L
38	Compliance	E006	07/30/2024	Barium, total	0.210	mg/L
38	Compliance	E006	07/30/2024	Beryllium, total	0.00053 U	mg/L
38	Compliance	E006	07/30/2024	Boron, total	0.460 J+	mg/L
38	Compliance	E006	07/30/2024	Cadmium, total	0.00017 U	mg/L
38	Compliance	E006	07/30/2024	Calcium, total	74.0	mg/L
38	Compliance	E006	07/30/2024	Chloride, total	15.0	mg/L
38	Compliance	E006	07/30/2024	Chromium, total	0.0011 U	mg/L
38	Compliance	E006	07/30/2024	Cobalt, total	0.0004 U	mg/L
38	Compliance	E006	07/30/2024	Dissolved Oxygen	0.130	mg/L
38	Compliance	E006	07/30/2024	Fluoride, total	0.370	mg/L
38	Compliance	E006	07/30/2024	Lead, total	0.0005 UJ	mg/L
38	Compliance	E006	07/30/2024	Lithium, total	0.003 J	mg/L
38	Compliance	E006	07/30/2024	Mercury, total	0.000076 U	mg/L
38	Compliance	E006	07/30/2024	Molybdenum, total	0.0025 U	mg/L
38	Compliance	E006	07/30/2024	Oxidation Reduction Potential	-118	mV
38	Compliance	E006	07/30/2024	pH (field)	7.0	SU
38	Compliance	E006	07/30/2024	Radium 226 + Radium 228, total	1.52	pCi/L
38	Compliance	E006	07/30/2024	Selenium, total	0.00098 U	mg/L
38	Compliance	E006	07/30/2024	Specific Conductance @ 25C (field)	939	micromhos/cm
38	Compliance	E006	07/30/2024	Sulfate, total	0.25 J	mg/L
38	Compliance	E006	07/30/2024	Temperature	15.2	degrees C
38	Compliance	E006	07/30/2024	Thallium, total	0.00057 U	mg/L
38	Compliance	E006	07/30/2024	Total Dissolved Solids	540	mg/L
38	Compliance	E006	07/30/2024	Turbidity, field	125	NTU
41	Compliance	E006	07/29/2024	Antimony, total	0.0013 U	mg/L
41	Compliance	E006	07/29/2024	Arsenic, total	0.0100	mg/L
41	Compliance	E006	07/29/2024	Barium, total	0.240	mg/L
41	Compliance	E006	07/29/2024	Beryllium, total	0.00053 U	mg/L
41	Compliance	E006	07/29/2024	Boron, total	3.40	mg/L
41	Compliance	E006	07/29/2024	Cadmium, total	0.00017 U	mg/L
41	Compliance	E006	07/29/2024	Calcium, total	86.0	mg/L
41	Compliance	E006	07/29/2024	Chloride, total	47.0	mg/L
41	Compliance	E006	07/29/2024	Chromium, total	0.0011 U	mg/L
41	Compliance	E006	07/29/2024	Cobalt, total	0.0004 U	mg/L
41	Compliance	E006	07/29/2024	Dissolved Oxygen	0.140	mg/L
41	Compliance	E006	07/29/2024	Fluoride, total	0.420	mg/L
41	Compliance	E006	07/29/2024	Lead, total	0.0005 UJ	mg/L
41	Compliance	E006	07/29/2024	Lithium, total	0.002 U	mg/L
41	Compliance	E006	07/29/2024	Mercury, total	0.000076 U	mg/L
41	Compliance	E006	07/29/2024	Molybdenum, total	0.0025 U	mg/L
41	Compliance	E006	07/29/2024	Oxidation Reduction Potential	-157	mV
41	Compliance	E006	07/29/2024	pH (field)	7.2	SU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 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	E006	07/29/2024	Radium 226 + Radium 228, total	1.18	pCi/L
41	Compliance	E006	07/29/2024	Selenium, total	0.00098 U	mg/L
41	Compliance	E006	07/29/2024	Specific Conductance @ 25C (field)	1,341	micromhos/cm
41	Compliance	E006	07/29/2024	Sulfate, total	0.21 U	mg/L
41	Compliance	E006	07/29/2024	Temperature	13.5	degrees C
41	Compliance	E006	07/29/2024	Thallium, total	0.00057 U	mg/L
41	Compliance	E006	07/29/2024	Total Dissolved Solids	620	mg/L
41	Compliance	E006	07/29/2024	Turbidity, field	9.42	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
Missing Code (if applicable):
NR[1] = Select parameters were not analyzed.
NS[1] = This well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
NS[3] = A sample was not collected because the location was inaccessible.
NS[4] = The location could not be found, therefore a sample was not collected.
NS[5] = A sample was not collected because of damage to the well.
NS[6] = A sample was not collected because of pump issues.
NS[7] = A sample was not collected because the well was either dry or was purged dry and did not recover.
PM[1] = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--
02	LGU	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600	Background	--
02	LGU	E006	Barium, total	mg/L	--	--	--	--	NS[2]	2.0	Standard	--
02	LGU	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.004	Standard	--
02	LGU	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45	Background	--
02	LGU	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.005	Standard	--
02	LGU	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	200	Standard	--
02	LGU	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
02	LGU	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--
02	LGU	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	4.0	Standard	--
02	LGU	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.0075	Standard	--
02	LGU	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.04	Standard	--
02	LGU	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
02	LGU	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
02	LGU	E006	pH (field)	SU	--	--	--	--	NS[2]	6.5/9.0	Standard/Standard	--
02	LGU	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	5	Standard	--
02	LGU	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.05	Standard	--
02	LGU	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	400	Standard	--
02	LGU	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
02	LGU	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	1,200	Standard	--
03R	LGU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
03R	LGU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.00508	0.0600	Background	No Exceedance
03R	LGU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.291	2.0	Standard	No Exceedance
03R	LGU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
03R	LGU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	26.9	2.45	Background	Exceedance
03R	LGU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	14	79	CI around median	0.0005	0.005	Standard	No Exceedance
03R	LGU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	14	2	CB around linear reg	21	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	14	86	CB around T-S line	0.0015	0.1	Standard	No Exceedance
03R	LGU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	14	86	CI around median	0.001	0.006	Standard	No Exceedance
03R	LGU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	14	7	CI around mean	0.443	4.0	Standard	No Exceedance
03R	LGU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	14	57	CI around median	0.001	0.0075	Standard	No Exceedance
03R	LGU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	14	86	CB around T-S line	0.003	0.04	Standard	No Exceedance
03R	LGU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
03R	LGU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	0.328	0.1	Standard	Exceedance
03R	LGU	E006	pH (field)	SU	03/30/21 - 07/31/24	14	0	CI around mean	7.2/7.4	6.5/9.0	Standard/Standard	No Exceedance
03R	LGU	E006	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 07/31/24	12	0	CI around mean	1.07	5	Standard	No Exceedance
03R	LGU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
03R	LGU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	491	400	Standard	Exceedance
03R	LGU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
03R	LGU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	1,100	1,200	Standard	No Exceedance
04	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
04	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	14	7	CI around geomean	0.0055	0.0600	Background	No Exceedance
04	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.222	2.0	Standard	No Exceedance
04	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
04	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	8.46	2.45	Background	Exceedance
04	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
04	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	10.2	200	Standard	No Exceedance
04	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.005	0.1	Standard	No Exceedance
04	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	14	93	Most recent sample	0.001	0.006	Standard	No Exceedance
04	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	14	7	CI around median	0.3	4.0	Standard	No Exceedance
04	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
04	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.0463	0.04	Standard	Exceedance
04	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
04	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	0.0334	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E006	pH (field)	SU	03/30/21 - 07/31/24	14	0	CI around mean	7.4/7.6	6.5/9.0	Standard/Standard	No Exceedance
04	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 07/31/24	12	0	CI around mean	0.735	5	Standard	No Exceedance
04	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
04	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	34.4	400	Standard	No Exceedance
04	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
04	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	367	1,200	Standard	No Exceedance
05	UA	E006	Antimony, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
05	UA	E006	Arsenic, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.001	0.0600	Background	No Exceedance
05	UA	E006	Barium, total	mg/L	03/30/21 - 08/01/24	14	0	CI around mean	0.0225	2.0	Standard	No Exceedance
05	UA	E006	Beryllium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
05	UA	E006	Boron, total	mg/L	03/30/21 - 08/01/24	14	0	CI around mean	18	2.45	Background	Exceedance
05	UA	E006	Cadmium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
05	UA	E006	Chloride, total	mg/L	03/30/21 - 08/01/24	14	2	CI around mean	7.44	200	Standard	No Exceedance
05	UA	E006	Chromium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.005	0.1	Standard	No Exceedance
05	UA	E006	Cobalt, total	mg/L	03/30/21 - 08/01/24	14	86	CI around median	0.001	0.006	Standard	No Exceedance
05	UA	E006	Fluoride, total	mg/L	03/30/21 - 08/01/24	14	7	CB around linear reg	0.568	4.0	Standard	No Exceedance
05	UA	E006	Lead, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
05	UA	E006	Lithium, total	mg/L	03/30/21 - 08/01/24	14	0	CI around mean	0.0866	0.04	Standard	Exceedance
05	UA	E006	Mercury, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
05	UA	E006	Molybdenum, total	mg/L	03/30/21 - 08/01/24	14	0	CB around linear reg	0.0402	0.1	Standard	No Exceedance
05	UA	E006	pH (field)	SU	03/30/21 - 08/01/24	14	0	CB around linear reg	7.4/7.8	6.5/9.0	Standard/Standard	No Exceedance
05	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 08/01/24	12	0	CI around geomean	0.105	5	Standard	No Exceedance
05	UA	E006	Selenium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
05	UA	E006	Sulfate, total	mg/L	03/30/21 - 08/01/24	14	0	CI around median	224	400	Standard	No Exceedance
05	UA	E006	Thallium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
05	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 08/01/24	14	0	CI around mean	534	1,200	Standard	No Exceedance
07R	UA	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--

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COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600	Background	--
07R	UA	E006	Barium, total	mg/L	--	--	--	--	NS[2]	2.0	Standard	--
07R	UA	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.004	Standard	--
07R	UA	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45	Background	--
07R	UA	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.005	Standard	--
07R	UA	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	200	Standard	--
07R	UA	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
07R	UA	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--
07R	UA	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	4.0	Standard	--
07R	UA	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.0075	Standard	--
07R	UA	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.04	Standard	--
07R	UA	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
07R	UA	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
07R	UA	E006	pH (field)	SU	--	--	--	--	NS[2]	6.5/9.0	Standard/Standard	--
07R	UA	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	5	Standard	--
07R	UA	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.05	Standard	--
07R	UA	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	400	Standard	--
07R	UA	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
07R	UA	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	1,200	Standard	--
08R	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
08R	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	0.0282	0.0600	Background	No Exceedance
08R	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.0556	2.0	Standard	No Exceedance
08R	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
08R	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	14	0	CI around median	29.8	2.45	Background	Exceedance
08R	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
08R	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	5.1	200	Standard	No Exceedance
08R	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.005	0.1	Standard	No Exceedance

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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	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
08R	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	14	79	CI around median	0.1	4.0	Standard	No Exceedance
08R	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
08R	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around median	0.288	0.04	Standard	Exceedance
08R	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
08R	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.197	0.1	Standard	Exceedance
08R	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	14	0	CI around mean	7.1/7.9	6.5/9.0	Standard/Standard	No Exceedance
08R	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 07/31/24	12	0	CI around mean	0.443	5	Standard	No Exceedance
08R	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
08R	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	578	400	Standard	Exceedance
08R	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
08R	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	14	0	CI around median	1,110	1,200	Standard	No Exceedance
17	UA	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--
17	UA	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600	Background	--
17	UA	E006	Barium, total	mg/L	--	--	--	--	NS[2]	2.0	Standard	--
17	UA	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.004	Standard	--
17	UA	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45	Background	--
17	UA	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.005	Standard	--
17	UA	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	200	Standard	--
17	UA	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
17	UA	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--
17	UA	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	4.0	Standard	--
17	UA	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.0075	Standard	--
17	UA	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.04	Standard	--
17	UA	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
17	UA	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
17	UA	E006	pH (field)	SU	--	--	--	--	NS[2]	6.5/9.0	Standard/Standard	--

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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	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	5	Standard	--
17	UA	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.05	Standard	--
17	UA	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	400	Standard	--
17	UA	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
17	UA	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	1,200	Standard	--
20	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
20	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	14	64	CI around median	0.001	0.0600	Background	No Exceedance
20	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.018	2.0	Standard	No Exceedance
20	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
20	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.745	2.45	Background	No Exceedance
20	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
20	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	14	14	CI around median	4	200	Standard	No Exceedance
20	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.005	0.1	Standard	No Exceedance
20	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	14	86	CI around median	0.001	0.006	Standard	No Exceedance
20	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.1	4.0	Standard	No Exceedance
20	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
20	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.0205	0.04	Standard	No Exceedance
20	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
20	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	14	93	CB around T-S line	0.0015	0.1	Standard	No Exceedance
20	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	14	0	CI around median	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
20	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 07/31/24	12	0	CI around mean	0.453	5	Standard	No Exceedance
20	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
20	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	14	0	CI around geomean	75.5	400	Standard	No Exceedance
20	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
20	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	407	1,200	Standard	No Exceedance
34	LGU	E006	Antimony, total	mg/L	--	--	--	--	NS[7]	0.006	Standard	--
34	LGU	E006	Arsenic, total	mg/L	--	--	--	--	NS[7]	0.0600	Background	--

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E006	Barium, total	mg/L	--	--	--	--	NS[7]	2.0	Standard	--
34	LGU	E006	Beryllium, total	mg/L	--	--	--	--	NS[7]	0.004	Standard	--
34	LGU	E006	Boron, total	mg/L	--	--	--	--	NS[7]	2.45	Background	--
34	LGU	E006	Cadmium, total	mg/L	--	--	--	--	NS[7]	0.005	Standard	--
34	LGU	E006	Chloride, total	mg/L	--	--	--	--	NS[7]	200	Standard	--
34	LGU	E006	Chromium, total	mg/L	--	--	--	--	NS[7]	0.1	Standard	--
34	LGU	E006	Cobalt, total	mg/L	--	--	--	--	NS[7]	0.006	Standard	--
34	LGU	E006	Fluoride, total	mg/L	--	--	--	--	NS[7]	4.0	Standard	--
34	LGU	E006	Lead, total	mg/L	--	--	--	--	NS[7]	0.0075	Standard	--
34	LGU	E006	Lithium, total	mg/L	--	--	--	--	NS[7]	0.04	Standard	--
34	LGU	E006	Mercury, total	mg/L	--	--	--	--	NS[7]	0.002	Standard	--
34	LGU	E006	Molybdenum, total	mg/L	--	--	--	--	NS[7]	0.1	Standard	--
34	LGU	E006	pH (field)	SU	--	--	--	--	NS[7]	6.5/9.0	Standard/Standard	--
34	LGU	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[7]	5	Standard	--
34	LGU	E006	Selenium, total	mg/L	--	--	--	--	NS[7]	0.05	Standard	--
34	LGU	E006	Sulfate, total	mg/L	--	--	--	--	NS[7]	400	Standard	--
34	LGU	E006	Thallium, total	mg/L	--	--	--	--	NS[7]	0.002	Standard	--
34	LGU	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[7]	1,200	Standard	--
36	UA	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--
36	UA	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600	Background	--
36	UA	E006	Barium, total	mg/L	--	--	--	--	NS[2]	2.0	Standard	--
36	UA	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.004	Standard	--
36	UA	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45	Background	--
36	UA	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.005	Standard	--
36	UA	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	200	Standard	--
36	UA	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
36	UA	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	4.0	Standard	--
36	UA	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.0075	Standard	--
36	UA	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.04	Standard	--
36	UA	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
36	UA	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
36	UA	E006	pH (field)	SU	--	--	--	--	NS[2]	6.5/9.0	Standard/Standard	--
36	UA	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	5	Standard	--
36	UA	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.05	Standard	--
36	UA	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	400	Standard	--
36	UA	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
36	UA	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	1,200	Standard	--
37	LGU	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--
37	LGU	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600	Background	--
37	LGU	E006	Barium, total	mg/L	--	--	--	--	NS[2]	2.0	Standard	--
37	LGU	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.004	Standard	--
37	LGU	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45	Background	--
37	LGU	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.005	Standard	--
37	LGU	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	200	Standard	--
37	LGU	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
37	LGU	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.006	Standard	--
37	LGU	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	4.0	Standard	--
37	LGU	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.0075	Standard	--
37	LGU	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.04	Standard	--
37	LGU	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
37	LGU	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.1	Standard	--
37	LGU	E006	pH (field)	SU	--	--	--	--	NS[2]	6.5/9.0	Standard/Standard	--
37	LGU	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	5	Standard	--

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.05	Standard	--
37	LGU	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	400	Standard	--
37	LGU	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002	Standard	--
37	LGU	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	1,200	Standard	--
38	UA	E006	Antimony, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
38	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/30/24	14	0	CB around linear reg	0.0286	0.0600	Background	No Exceedance
38	UA	E006	Barium, total	mg/L	03/30/21 - 07/30/24	14	0	CB around T-S line	-0.0626	2.0	Standard	No Exceedance
38	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
38	UA	E006	Boron, total	mg/L	03/30/21 - 07/30/24	14	0	CI around geomean	0.422	2.45	Background	No Exceedance
38	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
38	UA	E006	Chloride, total	mg/L	03/30/21 - 07/30/24	14	0	CB around linear reg	13.6	200	Standard	No Exceedance
38	UA	E006	Chromium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.005	0.1	Standard	No Exceedance
38	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
38	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/30/24	14	7	CI around geomean	0.352	4.0	Standard	No Exceedance
38	UA	E006	Lead, total	mg/L	03/30/21 - 07/30/24	14	93	CI around median	0.0005	0.0075	Standard	No Exceedance
38	UA	E006	Lithium, total	mg/L	03/30/21 - 07/30/24	14	57	CI around median	0.003	0.04	Standard	No Exceedance
38	UA	E006	Mercury, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
38	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/30/24	14	43	CI around mean	0.00245	0.1	Standard	No Exceedance
38	UA	E006	pH (field)	SU	03/30/21 - 07/30/24	14	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
38	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 07/30/24	12	0	CI around mean	1.03	5	Standard	No Exceedance
38	UA	E006	Selenium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
38	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/30/24	14	93	CB around T-S line	-1.49	400	Standard	No Exceedance
38	UA	E006	Thallium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
38	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/30/24	14	0	CI around mean	506	1,200	Standard	No Exceedance
41	UA	E006	Antimony, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
41	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/29/24	14	0	CB around linear reg	0.0103	0.0600	Background	No Exceedance
41	UA	E006	Barium, total	mg/L	03/30/21 - 07/29/24	14	0	CI around mean	0.232	2.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 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	E006	Beryllium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
41	UA	E006	Boron, total	mg/L	03/30/21 - 07/29/24	14	0	CB around linear reg	3.01	2.45	Background	Exceedance
41	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
41	UA	E006	Chloride, total	mg/L	03/30/21 - 07/29/24	14	0	CB around linear reg	45.5	200	Standard	No Exceedance
41	UA	E006	Chromium, total	mg/L	03/30/21 - 07/29/24	14	93	CI around median	0.0015	0.1	Standard	No Exceedance
41	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
41	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/29/24	14	7	CI around median	0.41	4.0	Standard	No Exceedance
41	UA	E006	Lead, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
41	UA	E006	Lithium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.005	0.04	Standard	No Exceedance
41	UA	E006	Mercury, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
41	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.005	0.1	Standard	No Exceedance
41	UA	E006	pH (field)	SU	03/30/21 - 07/29/24	14	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
41	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/20/21 - 07/29/24	12	0	CI around mean	1.12	5	Standard	No Exceedance
41	UA	E006	Selenium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
41	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/29/24	14	86	CI around median	1	400	Standard	No Exceedance
41	UA	E006	Thallium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
41	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/29/24	14	0	CI around mean	605	1,200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Notes:
Compliance Result:
- No Exceedance: the statistical result did not exceed the GWPS.
- Exceedance: The statistical result exceeded the GWPS.

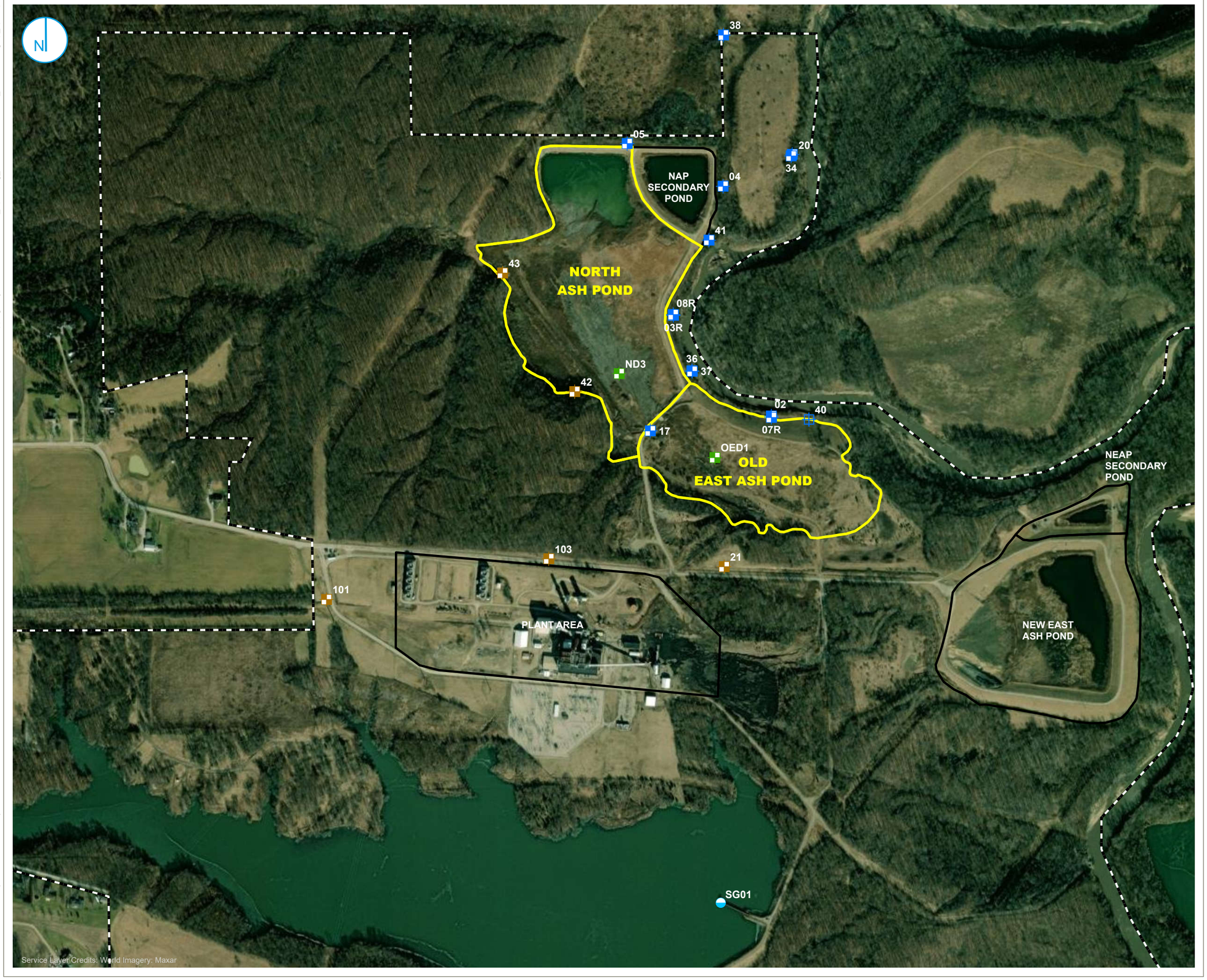
HSU = hydrostratigraphic unit:
- LGU = Lower Groundwater Unit
- UA = Uppermost Aquifer

mg/L = milligrams per liter
Missing Code (if applicable):
- NR[1] = Select parameters were not analyzed.
- NS[1] = This well has been, or will be, abandoned; therefore, a sample was not collected.
- NS[2] = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
- NS[3] = A sample was not collected because the location was inaccessible.
- NS[4] = The location could not be found, therefore a sample was not collected.
- NS[5] = A sample was not collected because of damage to the well.
- NS[6] = A sample was not collected because of pump issues.
- NS[7] = A sample was not collected because the well was either dry or was purged dry and did not recover.
- PM[1] = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.

ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
- All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
- CB around T-S line = Confidence band around Thiel-Sen line
- CB around linear reg = Confidence band around linear regression
- CI around geomean = Confidence interval around the geometric mean
- CI around mean = Confidence interval around the mean
- CI around median = Confidence interval around the median
- Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:
- 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 COMPLIANCE MONITORING WELL
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY

0 300 600 Feet

MONITORING WELL LOCATION MAP

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

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\2022285\MXD\845_Operating_Permit\Vermilion\NAP_OEAP\GMP\gmp_aprx.aprx

PROJECT: 169000XXXX | DATED: 10/7/2024 | DESIGNER: GALARNMC

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 3, 2024

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 3, 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	07/29/2024	18.93	575.11
03R	Compliance	07/29/2024	7.95	580.48
04	Compliance	07/29/2024	8.18	582.88
05	Compliance	07/29/2024	7.59	588.23
07R	Compliance	07/29/2024	17.05	577.62
08R	Compliance	07/29/2024	13.89	576.14
17	Compliance	07/29/2024	39.18	584.18
20	Compliance	07/29/2024	15.13	577.31
21	Background	07/29/2024	91.16	581.72
34	Compliance	07/29/2024	DM[3]	
36	Compliance	07/29/2024	14.55	575.58
37	Compliance	07/29/2024	8.15	581.73
38	Compliance	07/29/2024	7.35	584.48
41	Compliance	07/29/2024	6.11	581.23
42	Background	07/29/2024	25.87	582.70
43	Background	07/29/2024	16.01	592.00
101	Background	07/29/2024	108.50	598.34
103	Background	07/30/2024	130.10	590.45
ND3	Water Level	07/29/2024	17.20	597.52
OED1	Water Level	07/29/2024	40.22	590.36
SG01	Water Level	07/29/2024	16.21	673.28

Notes:
BMP = below measuring point
Missing Code (if applicable):
DM[1] = Depth to water was not measured.
DM[2] = Depth to water was not measured because water was above or below the staff gage markings.
DM[3] = Depth to water was not measured because the location was inaccessible.
DM[4] = Depth to water was not measured because water level was below the top of the pump.
DM[5] = Depth to water was not measured because water level was above the top of casing (artesian well).
DM[6] = Depth to water was not measured because of damage to the well.
DM[7] = Depth to water was was not measured due to malfunctioning pressure transducer.
NAVD88 = North American Vertical Datum of 1988

ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 3, 2024

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 08/16/24 16:22:01

JOB DESCRIPTION

VER-24Q3
VER_845_910-911

JOB NUMBER

500-254245-3

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

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

Authorization

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

Table of Contents

Case Narrative

Client: Vistra Energy Corp
Project: VER-24Q3

Job ID: 500-254245-3

Job ID: 500-254245-3 — Eurofins Chicago

Job Narrative
500-254245-3

Receipt
The samples were received on 07/30/24 12:10. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.2º C, 3.2º C, 3.2º C, 3.8º C, 4.1º C, 4.7º C, 4.8º C and 5.3º C.

Receipt Exceptions
Received bottles for sample 6 not marked on COC, logged them in.

Method Field Sampling: Field Conductivity for the following samples was recorded on the field forms in ms (mmhos) instead of the usual us (umhos). Results have been converted to umhos to maintain consistency in reporting. VER_041 (500-254245-2), VER_021 (500-254245-3), VER_038 (500-254245-4), VER_038_FD (500-254245-5), VER_042 (500-254245-6), VER_043 (500-254245-7), VER_043_FD (500-254245-8), VER_ND3 (500-254245-12), VER_OED1 (500-254245-13), VER_003R (500-254245-16), VER_003R_FD (500-254245-17), VER_004 (500-254245-18), VER_008R (500-254245-19), VER_020 (500-254245-21) and VER_005 (500-254245-24)

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

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 500-780563 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 500-781160 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.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_041 — Lab Sample ID: 500-254245-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.010		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.24		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	3.4	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	86		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00029	J B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	42		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	3.0		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	100		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	47		5.0	0.58	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	560		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	620		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)	6.09				ft	1		Field Sampling	Total/NA
Field pH	7.23				SU	1		Field Sampling	Total/NA
Field Temperature	13.5				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-157.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.14				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1341				umhos/cm	1		Field Sampling	Total/NA
Turbidity	9.42				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_021 — Lab Sample ID: 500-254245-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0025	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.044		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.11		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.83	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	67		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	30		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0031	J	0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	2.3		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	52		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	1.7		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	21	F1 F2	1.0	0.21	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	380		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	1.0		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	92.65				ft	1		Field Sampling	Total/NA
Field pH	7.59				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_021 (Continued) — Lab Sample ID: 500-254245-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field Temperature	14.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-181.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.26				mg/L	1		Field Sampling	Total/NA
Specific Conductance	801				umhos/cm	1		Field Sampling	Total/NA
Turbidity	54.66				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_038 — Lab Sample ID: 500-254245-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0030	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.030		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.21		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.46	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	74		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00023	J B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	36		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.8		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	84		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	15		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	0.25	J	1.0	0.21	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	510		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	0.37		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	7.40				ft	1		Field Sampling	Total/NA
Field pH	6.96				SU	1		Field Sampling	Total/NA
Field Temperature	15.2				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-118.3				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.13				mg/L	1		Field Sampling	Total/NA
Specific Conductance	939				umhos/cm	1		Field Sampling	Total/NA
Turbidity	125.12				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_038_FD — Lab Sample ID: 500-254245-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0033	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.029		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.21		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.46	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	74		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0011	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_038_FD (Continued) — Lab Sample ID: 500-254245-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.00051	B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	37		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.9		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	84		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	15		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	0.36	J	1.0	0.21	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	520		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	0.35		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	7.40				ft	1		Field Sampling	Total/NA
Field pH	6.96				SU	1		Field Sampling	Total/NA
Field Temperature	15.2				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-118.3				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.13				mg/L	1		Field Sampling	Total/NA
Specific Conductance	939				umhos/cm	1		Field Sampling	Total/NA
Turbidity	125.12				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_042 — Lab Sample ID: 500-254245-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0030	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.020		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.15		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.66	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	84		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	47		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.5		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	56		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	15		2.0	0.23	mg/L	2		300.0	Total/NA
Sulfate	58		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	580		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.55		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	25.39				ft	1		Field Sampling	Total/NA
Field pH	7.55				SU	1		Field Sampling	Total/NA
Field Temperature	12.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-138.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.18				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1125				umhos/cm	1		Field Sampling	Total/NA
Turbidity	5.40				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_043 — Lab Sample ID: 500-254245-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.011		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	1.0	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	85		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00040	J B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	49		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	5.7		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	110		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	62		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	66		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	490		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	690		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.49		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	15.95				ft	1		Field Sampling	Total/NA
Field pH	7.16				SU	1		Field Sampling	Total/NA
Field Temperature	14.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-101.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.94				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1129				umhos/cm	1		Field Sampling	Total/NA
Turbidity	25.32				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_043_FD — Lab Sample ID: 500-254245-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.011		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	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	85		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00034	J B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	49		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	5.6		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	110		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	64		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	58		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	670		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_043_FD (Continued) — Lab Sample ID: 500-254245-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.48		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	15.95				ft	1		Field Sampling	Total/NA
Field pH	7.16				SU	1		Field Sampling	Total/NA
Field Temperature	14.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-101.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.94				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1129				umhos/cm	1		Field Sampling	Total/NA
Turbidity	25.32				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_ND3 — Lab Sample ID: 500-254245-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.53		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Antimony	0.012		0.0030	0.0013	mg/L	1		6020B	Total Recoverable
Arsenic	0.35		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.27		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Beryllium	0.0062		0.0010	0.00053	mg/L	1		6020B	Total Recoverable
Boron	30	B	1.0	0.25	mg/L	20		6020B	Total Recoverable
Cadmium	0.0046		0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	290		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.035		0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.017		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.18	B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	62		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.24		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	45		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.019		0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	35		0.20	0.077	mg/L	1		6020B	Total Recoverable
Thallium	0.0071		0.0020	0.00057	mg/L	1		6020B	Total Recoverable
Mercury	0.000090	J	0.00020	0.000076	mg/L	1		7470A	Total/NA
Chloride	3.7	J	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	990		50	10	mg/L	50		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	96		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1700		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.21		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	17.27				ft	1		Field Sampling	Total/NA
Field pH	8.16				SU	1		Field Sampling	Total/NA
Field Temperature	19.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	183.2				millivolts	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_ND3 (Continued) — Lab Sample ID: 500-254245-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oxygen, Dissolved	7.42				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1738				umhos/cm	1		Field Sampling	Total/NA
Turbidity	149.72				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_OED1 — Lab Sample ID: 500-254245-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.48		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.023		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.029		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	48	B	1.0	0.25	mg/L	20		6020B	Total Recoverable
Calcium	760		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00039	J B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	0.53		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.23		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	70		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0028		0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	47		0.20	0.077	mg/L	1		6020B	Total Recoverable
Sulfate	1800		100	21	mg/L	100		300.0	Total/NA
Carbonate Alkalinity as CaCO3	120		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	3100		10	4.3	mg/L	1		SM 2540C	Total/NA
Depth to Water (ft from MP)	40.24				ft	1		Field Sampling	Total/NA
Field pH	10.24				SU	1		Field Sampling	Total/NA
Field Temperature	17.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	115.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.89				mg/L	1		Field Sampling	Total/NA
Specific Conductance	2819				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.15				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_003R — Lab Sample ID: 500-254245-16

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 Recoverable
Arsenic	0.0058		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.31		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	30	B	1.0	0.25	mg/L	20		6020B	Total Recoverable
Calcium	170		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0023	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_003R (Continued) — Lab Sample ID: 500-254245-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00063	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.0011	B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	60		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.37		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	3.1		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	97		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	22		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	580		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	1300		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.43		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	7.87				ft	1		Field Sampling	Total/NA
Field pH	7.44				SU	1		Field Sampling	Total/NA
Field Temperature	13.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-130.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.21				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1829				umhos/cm	1		Field Sampling	Total/NA
Turbidity	25.20				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_003R_FD — Lab Sample ID: 500-254245-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0059		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0047		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.30		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	30	B	1.0	0.25	mg/L	20		6020B	Total Recoverable
Calcium	170		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0013	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.00040	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00067	B	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	60		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.38		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	2.9		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	99		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	22		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	590		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	1300		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_003R_FD (Continued) — Lab Sample ID: 500-254245-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.44		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	7.87				ft	1		Field Sampling	Total/NA
Field pH	7.44				SU	1		Field Sampling	Total/NA
Field Temperature	13.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-130.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.21				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1829				umhos/cm	1		Field Sampling	Total/NA
Turbidity	25.20				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_004 — Lab Sample ID: 500-254245-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.054		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0059		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.24		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	10	B	0.25	0.064	mg/L	5		6020B	Total Recoverable
Calcium	69		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00056	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	29		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.036		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	6.8		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	26		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	10		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	27		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	440		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)	8.03				ft	1		Field Sampling	Total/NA
Field pH	7.55				SU	1		Field Sampling	Total/NA
Field Temperature	15.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-151.3				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.16				mg/L	1		Field Sampling	Total/NA
Specific Conductance	603				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.38				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_008R — Lab Sample ID: 500-254245-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.41		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	0.051		0.0025	0.00073	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_008R (Continued) — Lab Sample ID: 500-254245-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	37	B	1.0	0.25	mg/L	20		6020B	Total Recoverable
Calcium	260		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	28		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.31		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	20		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	33		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	4.9		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	760		20	4.1	mg/L	20		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	100		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
Depth to Water (ft from MP)	13.99				ft	1		Field Sampling	Total/NA
Field pH	7.75				SU	1		Field Sampling	Total/NA
Field Temperature	15.2				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-120.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.29				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1716				umhos/cm	1		Field Sampling	Total/NA
Turbidity	13.98				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_020 — Lab Sample ID: 500-254245-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.028		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0013		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.020		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	1.8	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	92		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	36		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	1.0		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	9.8		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	3.4		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	77		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	300		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	390		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.082	J	0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	15.19				ft	1		Field Sampling	Total/NA
Field pH	7.07				SU	1		Field Sampling	Total/NA
Field Temperature	13.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-20.3				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.21				mg/L	1		Field Sampling	Total/NA
Specific Conductance	641				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.89				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_005 — Lab Sample ID: 500-254245-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.10		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00023	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.028		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	16	B	0.50	0.13	mg/L	10		6020B	Total Recoverable
Calcium	110		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00079	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	24		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.040		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	9.7		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	24		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	6.5		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	250		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	210		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	0.65		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	7.73				ft	1		Field Sampling	Total/NA
Field pH	7.50				SU	1		Field Sampling	Total/NA
Field Temperature	14.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	33.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.20				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1001				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.45				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_002 — Lab Sample ID: 500-254245-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	18.93				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_007R — Lab Sample ID: 500-254245-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	17.05				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_017 — Lab Sample ID: 500-254245-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	39.18				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_036 — Lab Sample ID: 500-254245-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	14.55				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_037 — Lab Sample ID: 500-254245-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	8.15				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_SG01 — Lab Sample ID: 500-254245-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	16.21				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_101& — Lab Sample ID: 500-254245-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	108.66				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_103& — Lab Sample ID: 500-254245-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	130.10				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Sample Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-254245-2	VER_041	Water	07/29/24 16:40	07/30/24 12:10
500-254245-3	VER_021	Water	07/30/24 15:10	07/31/24 12:35
500-254245-4	VER_038	Water	07/30/24 14:40	07/31/24 12:35
500-254245-5	VER_038_FD	Water	07/30/24 14:55	07/31/24 12:35
500-254245-6	VER_042	Water	07/30/24 09:45	07/31/24 12:35
500-254245-7	VER_043	Water	07/30/24 10:50	07/31/24 12:35
500-254245-8	VER_043_FD	Water	07/30/24 11:00	07/31/24 12:35
500-254245-12	VER_ND3	Water	07/30/24 13:20	07/31/24 12:35
500-254245-13	VER_OED1	Water	07/30/24 12:20	07/31/24 12:35
500-254245-16	VER_003R	Water	07/31/24 14:25	08/01/24 12:30
500-254245-17	VER_003R_FD	Water	07/31/24 14:25	08/01/24 12:30
500-254245-18	VER_004	Water	07/31/24 11:00	08/01/24 12:30
500-254245-19	VER_008R	Water	07/31/24 12:50	08/01/24 12:30
500-254245-21	VER_020	Water	07/31/24 10:00	08/01/24 12:30
500-254245-24	VER_005	Water	08/01/24 08:15	08/01/24 12:30
500-254245-27	VER_002	Water	07/29/24 12:36	07/30/24 12:10
500-254245-28	VER_007R	Water	07/29/24 12:34	07/30/24 12:10
500-254245-29	VER_017	Water	07/29/24 12:37	07/30/24 12:10
500-254245-30	VER_036	Water	07/29/24 13:01	07/30/24 12:10
500-254245-31	VER_037	Water	07/29/24 13:03	07/30/24 12:10
500-254245-32	VER_SG01	Water	07/29/24 10:00	07/30/24 12:10
500-254245-34	VER_101&	Water	07/31/24 09:00	08/08/24 11:57
500-254245-35	VER_103&	Water	07/30/24 11:00	08/08/24 11:57

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_041

Date Collected: 07/29/24 16:40
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 12:19	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		08/13/24 09:19	08/13/24 18:40	1
Arsenic	**0.010**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 18:40	1
Barium	**0.24**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 18:40	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 18:40	1
Boron	**3.4**	**B**	0.050	0.013	mg/L		08/13/24 09:19	08/13/24 18:40	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 18:40	1
Calcium	**86**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 18:40	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 18:40	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 18:40	1
Lead	**0.00029**	**J B**	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 18:40	1
Magnesium	**42**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 18:40	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 18:40	1
Potassium	**3.0**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 18:40	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 18:40	1
Sodium	**100**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 18:40	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 18:40	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		08/14/24 11:40	08/15/24 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**47**		5.0	0.58	mg/L			08/09/24 14:44	5
Sulfate (EPA 300.0)	<1.0		1.0	0.21	mg/L			08/09/24 14:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**560**		5.0	3.7	mg/L			08/07/24 15:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 15:23	1
Total Dissolved Solids (SM 2540C)	**620**		10	4.3	mg/L			08/01/24 03:09	1
Fluoride (SM 4500 F C)	**0.42**		0.10	0.056	mg/L			08/14/24 14:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**6.09**				ft			07/29/24 16:40	1
Field pH	**7.23**				SU			07/29/24 16:40	1
Field Temperature	**13.5**				Degrees C			07/29/24 16:40	1
Oxidation Reduction Potential	**-157.2**				millivolts			07/29/24 16:40	1
Oxygen, Dissolved	**0.14**				mg/L			07/29/24 16:40	1
Specific Conductance	**1341**				umhos/cm			07/29/24 16:40	1
Turbidity	**9.42**				NTU			07/29/24 16:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_021

Date Collected: 07/30/24 15:10
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.0025**	**J**	0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 12:23	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		08/13/24 09:19	08/13/24 18:42	1
Arsenic	**0.044**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 18:42	1
Barium	**0.11**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 18:42	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 18:42	1
Boron	**0.83**	**B**	0.050	0.013	mg/L		08/13/24 09:19	08/13/24 18:42	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 18:42	1
Calcium	**67**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 18:42	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 18:42	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 18:42	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 18:42	1
Magnesium	**30**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 18:42	1
Molybdenum	**0.0031**	**J**	0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 18:42	1
Potassium	**2.3**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 18:42	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 18:42	1
Sodium	**52**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 18:42	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 18:42	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		08/14/24 11:40	08/15/24 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**1.7**		1.0	0.12	mg/L			08/09/24 14:59	1
Sulfate (EPA 300.0)	**21**	**F1 F2**	1.0	0.21	mg/L			08/09/24 14:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**380**		5.0	3.7	mg/L			08/07/24 15:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 15:34	1
Total Dissolved Solids (SM 2540C)	**400**		10	4.3	mg/L			08/01/24 03:14	1
Fluoride (SM 4500 F C)	**1.0**		0.10	0.056	mg/L			08/14/24 14:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**92.65**				ft			07/30/24 15:10	1
Field pH	**7.59**				SU			07/30/24 15:10	1
Field Temperature	**14.8**				Degrees C			07/30/24 15:10	1
Oxidation Reduction Potential	**-181.2**				millivolts			07/30/24 15:10	1
Oxygen, Dissolved	**0.26**				mg/L			07/30/24 15:10	1
Specific Conductance	**801**				umhos/cm			07/30/24 15:10	1
Turbidity	**54.66**				NTU			07/30/24 15:10	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_038

Date Collected: 07/30/24 14:40
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.0030**	**J**	0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 12:54	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		08/13/24 09:19	08/13/24 18:58	1
Arsenic	**0.030**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 18:58	1
Barium	**0.21**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 18:58	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 18:58	1
Boron	**0.46**	**B**	0.050	0.013	mg/L		08/13/24 09:19	08/13/24 18:58	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 18:58	1
Calcium	**74**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 18:58	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 18:58	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 18:58	1
Lead	**0.00023**	**J B**	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 18:58	1
Magnesium	**36**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 18:58	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 18:58	1
Potassium	**2.8**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 18:58	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 18:58	1
Sodium	**84**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 18:58	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 18:58	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		08/14/24 11:40	08/15/24 09:05	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			08/09/24 17:00	1
Sulfate (EPA 300.0)	**0.25**	**J**	1.0	0.21	mg/L			08/09/24 17:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**510**		5.0	3.7	mg/L			08/07/24 15:44	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 15:44	1
Total Dissolved Solids (SM 2540C)	**540**		10	4.3	mg/L			08/02/24 01:16	1
Fluoride (SM 4500 F C)	**0.37**		0.10	0.056	mg/L			08/14/24 15:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**7.40**				ft			07/30/24 14:40	1
Field pH	**6.96**				SU			07/30/24 14:40	1
Field Temperature	**15.2**				Degrees C			07/30/24 14:40	1
Oxidation Reduction Potential	**-118.3**				millivolts			07/30/24 14:40	1
Oxygen, Dissolved	**0.13**				mg/L			07/30/24 14:40	1
Specific Conductance	**939**				umhos/cm			07/30/24 14:40	1
Turbidity	**125.12**				NTU			07/30/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_038_FD

Date Collected: 07/30/24 14:55
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.0033**	**J**	0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/13/24 09:19	08/13/24 19:00	1
Arsenic	**0.029**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:00	1
Barium	**0.21**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:00	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:00	1
Boron	**0.46**	**B**	0.050	0.013	mg/L		08/13/24 09:19	08/13/24 19:00	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:00	1
Calcium	**74**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:00	1
Chromium	**0.0011**	**J**	0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:00	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:00	1
Lead	**0.00051**	**B**	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:00	1
Magnesium	**37**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:00	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:00	1
Potassium	**2.9**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:00	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:00	1
Sodium	**84**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:00	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:00	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		08/14/24 11:40	08/15/24 09:07	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			08/09/24 17:15	1
Sulfate (EPA 300.0)	**0.36**	**J**	1.0	0.21	mg/L			08/09/24 17:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**520**		5.0	3.7	mg/L			08/07/24 15:54	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 15:54	1
Total Dissolved Solids (SM 2540C)	**540**		10	4.3	mg/L			08/02/24 01:19	1
Fluoride (SM 4500 F C)	**0.35**		0.10	0.056	mg/L			08/14/24 15:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**7.40**				ft			07/30/24 14:55	1
Field pH	**6.96**				SU			07/30/24 14:55	1
Field Temperature	**15.2**				Degrees C			07/30/24 14:55	1
Oxidation Reduction Potential	**-118.3**				millivolts			07/30/24 14:55	1
Oxygen, Dissolved	**0.13**				mg/L			07/30/24 14:55	1
Specific Conductance	**939**				umhos/cm			07/30/24 14:55	1
Turbidity	**125.12**				NTU			07/30/24 14:55	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_042

Date Collected: 07/30/24 09:45
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.0030**	**J**	0.0050	0.0020	mg/L		08/12/24 15:55	08/13/24 14:24	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		08/13/24 09:22	08/13/24 20:19	1
Arsenic	**0.020**		0.0010	0.00023	mg/L		08/13/24 09:22	08/13/24 20:19	1
Barium	**0.15**		0.0025	0.00073	mg/L		08/13/24 09:22	08/13/24 20:19	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:22	08/13/24 20:19	1
Boron	**0.66**	**B**	0.050	0.013	mg/L		08/13/24 09:22	08/14/24 13:36	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:22	08/13/24 20:19	1
Calcium	**84**		0.20	0.044	mg/L		08/13/24 09:22	08/13/24 20:19	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:22	08/13/24 20:19	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:22	08/13/24 20:19	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/13/24 09:22	08/13/24 20:19	1
Magnesium	**47**		0.20	0.049	mg/L		08/13/24 09:22	08/13/24 20:19	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:22	08/13/24 20:19	1
Potassium	**2.5**		0.50	0.11	mg/L		08/13/24 09:22	08/13/24 20:19	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:22	08/13/24 20:19	1
Sodium	**56**		0.20	0.077	mg/L		08/13/24 09:22	08/13/24 20:19	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:22	08/13/24 20:19	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		08/14/24 11:40	08/15/24 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**15**		2.0	0.23	mg/L			08/09/24 17:31	2
Sulfate (EPA 300.0)	**58**		2.0	0.41	mg/L			08/09/24 17:31	2
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**460**		5.0	3.7	mg/L			08/07/24 16:05	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 16:05	1
Total Dissolved Solids (SM 2540C)	**580**		10	4.3	mg/L			08/02/24 01:24	1
Fluoride (SM 4500 F C)	**0.55**		0.10	0.056	mg/L			08/14/24 16:52	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**25.39**				ft			07/30/24 09:45	1
Field pH	**7.55**				SU			07/30/24 09:45	1
Field Temperature	**12.6**				Degrees C			07/30/24 09:45	1
Oxidation Reduction Potential	**-138.2**				millivolts			07/30/24 09:45	1
Oxygen, Dissolved	**1.18**				mg/L			07/30/24 09:45	1
Specific Conductance	**1125**				umhos/cm			07/30/24 09:45	1
Turbidity	**5.40**				NTU			07/30/24 09:45	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_043

Date Collected: 07/30/24 10:50
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.011**		0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 13:03	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		08/13/24 09:19	08/13/24 19:02	1
Arsenic	**0.011**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:02	1
Barium	**0.43**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:02	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:02	1
Boron	**1.0**	**B**	0.050	0.013	mg/L		08/13/24 09:19	08/13/24 19:02	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:02	1
Calcium	**85**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:02	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:02	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:02	1
Lead	**0.00040**	**J B**	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:02	1
Magnesium	**49**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:02	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:02	1
Potassium	**5.7**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:02	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:02	1
Sodium	**110**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:02	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:02	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		08/14/24 11:40	08/15/24 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**62**		5.0	0.58	mg/L			08/09/24 18:16	5
Sulfate (EPA 300.0)	**66**		5.0	1.0	mg/L			08/09/24 18:16	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**490**		5.0	3.7	mg/L			08/07/24 16:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 16:15	1
Total Dissolved Solids (SM 2540C)	**690**		10	4.3	mg/L			08/02/24 01:32	1
Fluoride (SM 4500 F C)	**0.49**		0.10	0.056	mg/L			08/14/24 15:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**15.95**				ft			07/30/24 10:50	1
Field pH	**7.16**				SU			07/30/24 10:50	1
Field Temperature	**14.9**				Degrees C			07/30/24 10:50	1
Oxidation Reduction Potential	**-101.9**				millivolts			07/30/24 10:50	1
Oxygen, Dissolved	**0.94**				mg/L			07/30/24 10:50	1
Specific Conductance	**1129**				umhos/cm			07/30/24 10:50	1
Turbidity	**25.32**				NTU			07/30/24 10:50	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_043_FD

Date Collected: 07/30/24 11:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.011**		0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 13:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/13/24 09:19	08/13/24 19:05	1
Arsenic	**0.011**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:05	1
Barium	**0.43**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:05	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:05	1
Boron	**1.1**	**B**	0.050	0.013	mg/L		08/13/24 09:19	08/13/24 19:05	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:05	1
Calcium	**85**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:05	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:05	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:05	1
Lead	**0.00034**	**J B**	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:05	1
Magnesium	**49**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:05	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:05	1
Potassium	**5.6**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:05	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:05	1
Sodium	**110**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:05	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:05	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		08/14/24 11:40	08/15/24 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**64**		5.0	0.58	mg/L			08/09/24 19:02	5
Sulfate (EPA 300.0)	**58**		5.0	1.0	mg/L			08/09/24 19:02	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**480**		5.0	3.7	mg/L			08/07/24 16:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 16:25	1
Total Dissolved Solids (SM 2540C)	**670**		10	4.3	mg/L			08/02/24 01:34	1
Fluoride (SM 4500 F C)	**0.48**		0.10	0.056	mg/L			08/14/24 15:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**15.95**				ft			07/30/24 11:00	1
Field pH	**7.16**				SU			07/30/24 11:00	1
Field Temperature	**14.9**				Degrees C			07/30/24 11:00	1
Oxidation Reduction Potential	**-101.9**				millivolts			07/30/24 11:00	1
Oxygen, Dissolved	**0.94**				mg/L			07/30/24 11:00	1
Specific Conductance	**1129**				umhos/cm			07/30/24 11:00	1
Turbidity	**25.32**				NTU			07/30/24 11:00	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_ND3

Date Collected: 07/30/24 13:20
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.53		0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.012		0.0030	0.0013	mg/L		08/13/24 09:19	08/13/24 19:18	1
Arsenic	0.35		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:18	1
Barium	0.27		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:18	1
Beryllium	0.0062		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:18	1
Boron	30	B	1.0	0.25	mg/L		08/13/24 09:19	08/14/24 14:55	20
Cadmium	0.0046		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:18	1
Calcium	290		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:18	1
Chromium	0.035		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:18	1
Cobalt	0.017		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:18	1
Lead	0.18	B	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:18	1
Magnesium	62		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:18	1
Molybdenum	0.24		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:18	1
Potassium	45		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:18	1
Selenium	0.019		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:18	1
Sodium	35		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:18	1
Thallium	0.0071		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000090	J	0.00020	0.000076	mg/L		08/14/24 11:40	08/15/24 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	3.7	J	5.0	0.58	mg/L			08/10/24 14:58	5
Sulfate (EPA 300.0)	990		50	10	mg/L			08/13/24 18:01	50
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	96		5.0	3.7	mg/L			08/07/24 17:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 17:33	1
Total Dissolved Solids (SM 2540C)	1700		10	4.3	mg/L			08/02/24 02:44	1
Fluoride (SM 4500 F C)	0.21		0.10	0.056	mg/L			08/14/24 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	17.27				ft			07/30/24 13:20	1
Field pH	8.16				SU			07/30/24 13:20	1
Field Temperature	19.9				Degrees C			07/30/24 13:20	1
Oxidation Reduction Potential	183.2				millivolts			07/30/24 13:20	1
Oxygen, Dissolved	7.42				mg/L			07/30/24 13:20	1
Specific Conductance	1738				umhos/cm			07/30/24 13:20	1
Turbidity	149.72				NTU			07/30/24 13:20	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_OED1

Date Collected: 07/30/24 12:20
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.48**		0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 13:51	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		08/13/24 09:19	08/13/24 19:20	1
Arsenic	**0.023**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:20	1
Barium	**0.029**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:20	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:20	1
Boron	**48**	**B**	1.0	0.25	mg/L		08/13/24 09:19	08/14/24 14:58	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:20	1
Calcium	**760**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:20	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:20	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:20	1
Lead	**0.00039**	**J B**	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:20	1
Magnesium	**0.53**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:20	1
Molybdenum	**0.23**		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:20	1
Potassium	**70**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:20	1
Selenium	**0.0028**		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:20	1
Sodium	**47**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:20	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:20	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		08/14/24 11:40	08/15/24 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	<5.0		5.0	0.58	mg/L			08/10/24 15:43	5
Sulfate (EPA 300.0)	**1800**		100	21	mg/L			08/13/24 18:16	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 17:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**120**		5.0	3.7	mg/L			08/07/24 17:41	1
Total Dissolved Solids (SM 2540C)	**3100**		10	4.3	mg/L			08/02/24 02:46	1
Fluoride (SM 4500 F C)	<0.10		0.10	0.056	mg/L			08/14/24 15:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**40.24**				ft			07/30/24 12:20	1
Field pH	**10.24**				SU			07/30/24 12:20	1
Field Temperature	**17.9**				Degrees C			07/30/24 12:20	1
Oxidation Reduction Potential	**115.0**				millivolts			07/30/24 12:20	1
Oxygen, Dissolved	**0.89**				mg/L			07/30/24 12:20	1
Specific Conductance	**2819**				umhos/cm			07/30/24 12:20	1
Turbidity	**3.15**				NTU			07/30/24 12:20	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_003R

Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.0055**		0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 14:05	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		08/13/24 09:19	08/13/24 19:34	1
Arsenic	**0.0058**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:34	1
Barium	**0.31**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:34	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:34	1
Boron	**30**	**B**	1.0	0.25	mg/L		08/13/24 09:19	08/14/24 15:04	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:34	1
Calcium	**170**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:34	1
Chromium	**0.0023**	**J**	0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:34	1
Cobalt	**0.00063**	**J**	0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:34	1
Lead	**0.0011**	**B**	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:34	1
Magnesium	**60**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:34	1
Molybdenum	**0.37**		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:34	1
Potassium	**3.1**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:34	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:34	1
Sodium	**97**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:34	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:34	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		08/14/24 11:40	08/15/24 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**22**		1.0	0.12	mg/L			08/10/24 16:29	1
Sulfate (EPA 300.0)	**580**		20	4.1	mg/L			08/10/24 16:44	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**290**		5.0	3.7	mg/L			08/07/24 17:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 17:58	1
Total Dissolved Solids (SM 2540C)	**1300**		10	4.3	mg/L			08/04/24 22:44	1
Fluoride (SM 4500 F C)	**0.43**		0.10	0.056	mg/L			08/14/24 16:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**7.87**				ft			07/31/24 14:25	1
Field pH	**7.44**				SU			07/31/24 14:25	1
Field Temperature	**13.4**				Degrees C			07/31/24 14:25	1
Oxidation Reduction Potential	**-130.5**				millivolts			07/31/24 14:25	1
Oxygen, Dissolved	**0.21**				mg/L			07/31/24 14:25	1
Specific Conductance	**1829**				umhos/cm			07/31/24 14:25	1
Turbidity	**25.20**				NTU			07/31/24 14:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_003R_FD

Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0059		0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 14:09	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		08/13/24 09:19	08/13/24 19:41	1
Arsenic	0.0047		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:41	1
Barium	0.30		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:41	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:41	1
Boron	30	B	1.0	0.25	mg/L		08/13/24 09:19	08/14/24 15:07	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:41	1
Calcium	170		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:41	1
Chromium	0.0013	J	0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:41	1
Cobalt	0.00040	J	0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:41	1
Lead	0.00067	B	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:41	1
Magnesium	60		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:41	1
Molybdenum	0.38		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:41	1
Potassium	2.9		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:41	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:41	1
Sodium	99		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:41	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:41	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		08/14/24 11:40	08/15/24 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	22		1.0	0.12	mg/L			08/08/24 19:30	1
Sulfate (EPA 300.0)	590		20	4.1	mg/L			08/08/24 19:46	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290		5.0	3.7	mg/L			08/07/24 18:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 18:11	1
Total Dissolved Solids (SM 2540C)	1300		10	4.3	mg/L			08/04/24 22:51	1
Fluoride (SM 4500 F C)	0.44		0.10	0.056	mg/L			08/14/24 16:11	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	7.87				ft			07/31/24 14:25	1
Field pH	7.44				SU			07/31/24 14:25	1
Field Temperature	13.4				Degrees C			07/31/24 14:25	1
Oxidation Reduction Potential	-130.5				millivolts			07/31/24 14:25	1
Oxygen, Dissolved	0.21				mg/L			07/31/24 14:25	1
Specific Conductance	1829				umhos/cm			07/31/24 14:25	1
Turbidity	25.20				NTU			07/31/24 14:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_004

Date Collected: 07/31/24 11:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.054**		0.0050	0.0020	mg/L		08/12/24 15:55	08/13/24 14:54	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		08/13/24 09:19	08/13/24 19:50	1
Arsenic	**0.0059**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:50	1
Barium	**0.24**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:50	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:50	1
Boron	**10**	**B**	0.25	0.064	mg/L		08/13/24 09:19	08/14/24 15:13	5
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:50	1
Calcium	**69**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:50	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:50	1
Cobalt	**0.00056**	**J**	0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:50	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:50	1
Magnesium	**29**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:50	1
Molybdenum	**0.036**		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:50	1
Potassium	**6.8**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:50	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:50	1
Sodium	**26**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:50	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:50	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		08/14/24 11:40	08/15/24 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**10**		1.0	0.12	mg/L			08/08/24 20:01	1
Sulfate (EPA 300.0)	**27**		1.0	0.21	mg/L			08/08/24 20:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**310**		5.0	3.7	mg/L			08/07/24 18:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 18:21	1
Total Dissolved Solids (SM 2540C)	**440**		10	4.3	mg/L			08/04/24 22:57	1
Fluoride (SM 4500 F C)	**0.32**		0.10	0.056	mg/L			08/14/24 16:24	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**8.03**				ft			07/31/24 11:00	1
Field pH	**7.55**				SU			07/31/24 11:00	1
Field Temperature	**15.1**				Degrees C			07/31/24 11:00	1
Oxidation Reduction Potential	**-151.3**				millivolts			07/31/24 11:00	1
Oxygen, Dissolved	**0.16**				mg/L			07/31/24 11:00	1
Specific Conductance	**603**				umhos/cm			07/31/24 11:00	1
Turbidity	**1.38**				NTU			07/31/24 11:00	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_008R

Date Collected: 07/31/24 12:50
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.41**		0.0050	0.0020	mg/L		08/12/24 15:55	08/13/24 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/13/24 09:19	08/13/24 19:57	1
Arsenic	**0.034**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 19:57	1
Barium	**0.051**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 19:57	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 19:57	1
Boron	**37**	**B**	1.0	0.25	mg/L		08/13/24 09:19	08/14/24 15:16	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 19:57	1
Calcium	**260**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 19:57	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 19:57	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 19:57	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 19:57	1
Magnesium	**28**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 19:57	1
Molybdenum	**0.31**		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 19:57	1
Potassium	**20**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 19:57	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 19:57	1
Sodium	**33**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 19:57	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 19:57	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		08/14/24 11:40	08/15/24 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**4.9**		1.0	0.12	mg/L			08/08/24 20:46	1
Sulfate (EPA 300.0)	**760**		20	4.1	mg/L			08/08/24 21:01	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**100**		5.0	3.7	mg/L			08/07/24 18:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 18:30	1
Total Dissolved Solids (SM 2540C)	**1300**		10	4.3	mg/L			08/04/24 22:59	1
Fluoride (SM 4500 F C)	<0.10		0.10	0.056	mg/L			08/14/24 16:28	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**13.99**				ft			07/31/24 12:50	1
Field pH	**7.75**				SU			07/31/24 12:50	1
Field Temperature	**15.2**				Degrees C			07/31/24 12:50	1
Oxidation Reduction Potential	**-120.7**				millivolts			07/31/24 12:50	1
Oxygen, Dissolved	**0.29**				mg/L			07/31/24 12:50	1
Specific Conductance	**1716**				umhos/cm			07/31/24 12:50	1
Turbidity	**13.98**				NTU			07/31/24 12:50	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_020

Date Collected: 07/31/24 10:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.028**		0.0050	0.0020	mg/L		08/12/24 15:55	08/13/24 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/13/24 09:19	08/13/24 20:08	1
Arsenic	**0.0013**		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 20:08	1
Barium	**0.020**		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 20:08	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 20:08	1
Boron	**1.8**	**B**	0.050	0.013	mg/L		08/13/24 09:19	08/14/24 15:20	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 20:08	1
Calcium	**92**		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 20:08	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 20:08	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 20:08	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 20:08	1
Magnesium	**36**		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 20:08	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 20:08	1
Potassium	**1.0**		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 20:08	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 20:08	1
Sodium	**9.8**		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 20:08	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 20:08	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		08/14/24 11:40	08/15/24 07:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**3.4**		1.0	0.12	mg/L			08/08/24 22:02	1
Sulfate (EPA 300.0)	**77**		5.0	1.0	mg/L			08/08/24 22:17	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**300**		5.0	3.7	mg/L			08/07/24 18:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 18:48	1
Total Dissolved Solids (SM 2540C)	**390**		10	4.3	mg/L			08/04/24 23:04	1
Fluoride (SM 4500 F C)	**0.082**	**J**	0.10	0.056	mg/L			08/14/24 16:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**15.19**				ft			07/31/24 10:00	1
Field pH	**7.07**				SU			07/31/24 10:00	1
Field Temperature	**13.1**				Degrees C			07/31/24 10:00	1
Oxidation Reduction Potential	**-20.3**				millivolts			07/31/24 10:00	1
Oxygen, Dissolved	**0.21**				mg/L			07/31/24 10:00	1
Specific Conductance	**641**				umhos/cm			07/31/24 10:00	1
Turbidity	**1.89**				NTU			07/31/24 10:00	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_005

Date Collected: 08/01/24 08:15
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-24

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.10**		0.0050	0.0020	mg/L		08/12/24 15:55	08/13/24 15:35	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		08/13/24 09:22	08/13/24 20:35	1
Arsenic	**0.00023**	**J**	0.0010	0.00023	mg/L		08/13/24 09:22	08/13/24 20:35	1
Barium	**0.028**		0.0025	0.00073	mg/L		08/13/24 09:22	08/13/24 20:35	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:22	08/13/24 20:35	1
Boron	**16**	**B**	0.50	0.13	mg/L		08/13/24 09:22	08/14/24 13:51	10
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:22	08/13/24 20:35	1
Calcium	**110**		0.20	0.044	mg/L		08/13/24 09:22	08/13/24 20:35	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:22	08/13/24 20:35	1
Cobalt	**0.00079**	**J**	0.0010	0.00040	mg/L		08/13/24 09:22	08/13/24 20:35	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/13/24 09:22	08/13/24 20:35	1
Magnesium	**24**		0.20	0.049	mg/L		08/13/24 09:22	08/13/24 20:35	1
Molybdenum	**0.040**		0.0050	0.0025	mg/L		08/13/24 09:22	08/13/24 20:35	1
Potassium	**9.7**		0.50	0.11	mg/L		08/13/24 09:22	08/13/24 20:35	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:22	08/13/24 20:35	1
Sodium	**24**		0.20	0.077	mg/L		08/13/24 09:22	08/13/24 20:35	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:22	08/13/24 20:35	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		08/14/24 11:40	08/15/24 07:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	**6.5**		1.0	0.12	mg/L			08/08/24 23:03	1
Sulfate (EPA 300.0)	**250**		10	2.1	mg/L			08/08/24 23:18	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**210**		5.0	3.7	mg/L			08/07/24 19:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/07/24 19:19	1
Total Dissolved Solids (SM 2540C)	**630**		10	4.3	mg/L			08/04/24 23:12	1
Fluoride (SM 4500 F C)	**0.65**		0.10	0.056	mg/L			08/14/24 17:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**7.73**				ft			08/01/24 08:15	1
Field pH	**7.50**				SU			08/01/24 08:15	1
Field Temperature	**14.1**				Degrees C			08/01/24 08:15	1
Oxidation Reduction Potential	**33.8**				millivolts			08/01/24 08:15	1
Oxygen, Dissolved	**0.20**				mg/L			08/01/24 08:15	1
Specific Conductance	**1001**				umhos/cm			08/01/24 08:15	1
Turbidity	**3.45**				NTU			08/01/24 08:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_002

Date Collected: 07/29/24 12:36
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-27

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)	18.93				ft			07/29/24 12:36	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_007R

Date Collected: 07/29/24 12:34
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-28

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)	17.05				ft			07/29/24 12:34	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_017

Date Collected: 07/29/24 12:37
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-29

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)	39.18				ft			07/29/24 12:37	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_036

Date Collected: 07/29/24 13:01
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-30

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)	14.55				ft			07/29/24 13:01	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_037

Date Collected: 07/29/24 13:03
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-31

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)	8.15				ft			07/29/24 13:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_SG01

Date Collected: 07/29/24 10:00
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-32

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)	16.21				ft			07/29/24 10:00	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_101&

Date Collected: 07/31/24 09:00
Date Received: 08/08/24 11:57

Lab Sample ID: 500-254245-34

Matrix: Water

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	108.66				ft			07/31/24 09:00	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_103&

Date Collected: 07/30/24 11:00
Date Received: 08/08/24 11:57

Lab Sample ID: 500-254245-35

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)	130.10				ft			07/30/24 11:00	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
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.
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Metals

Prep Batch: 781005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total Recoverable	Water	200.7	
500-254245-3	VER_021	Total Recoverable	Water	200.7	
500-254245-4	VER_038	Total Recoverable	Water	200.7	
500-254245-5	VER_038_FD	Total Recoverable	Water	200.7	
500-254245-7	VER_043	Total Recoverable	Water	200.7	
500-254245-8	VER_043_FD	Total Recoverable	Water	200.7	
500-254245-12	VER_ND3	Total Recoverable	Water	200.7	
500-254245-13	VER_OED1	Total Recoverable	Water	200.7	
500-254245-16	VER_003R	Total Recoverable	Water	200.7	
500-254245-17	VER_003R_FD	Total Recoverable	Water	200.7	
MB 500-781005/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-781005/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-254245-3 MS	VER_021	Total Recoverable	Water	200.7	
500-254245-3 MSD	VER_021	Total Recoverable	Water	200.7	
500-254245-3 DU	VER_021	Total Recoverable	Water	200.7	

Prep Batch: 781009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-6	VER_042	Total Recoverable	Water	200.7	
500-254245-18	VER_004	Total Recoverable	Water	200.7	
500-254245-19	VER_008R	Total Recoverable	Water	200.7	
500-254245-21	VER_020	Total Recoverable	Water	200.7	
500-254245-24	VER_005	Total Recoverable	Water	200.7	
MB 500-781009/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-781009/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-254245-6 MS	VER_042	Total Recoverable	Water	200.7	
500-254245-6 MSD	VER_042	Total Recoverable	Water	200.7	
500-254245-24 MS	VER_005	Total Recoverable	Water	200.7	
500-254245-6 DU	VER_042	Total Recoverable	Water	200.7	
500-254245-24 DU	VER_005	Total Recoverable	Water	200.7	

Prep Batch: 781120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total Recoverable	Water	3005A	
500-254245-3	VER_021	Total Recoverable	Water	3005A	
500-254245-4	VER_038	Total Recoverable	Water	3005A	
500-254245-5	VER_038_FD	Total Recoverable	Water	3005A	
500-254245-7	VER_043	Total Recoverable	Water	3005A	
500-254245-8	VER_043_FD	Total Recoverable	Water	3005A	
500-254245-12	VER_ND3	Total Recoverable	Water	3005A	
500-254245-13	VER_OED1	Total Recoverable	Water	3005A	
500-254245-16	VER_003R	Total Recoverable	Water	3005A	
500-254245-17	VER_003R_FD	Total Recoverable	Water	3005A	
500-254245-18	VER_004	Total Recoverable	Water	3005A	
500-254245-19	VER_008R	Total Recoverable	Water	3005A	
500-254245-21	VER_020	Total Recoverable	Water	3005A	
MB 500-781120/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-781120/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-254245-3 MS	VER_021	Total Recoverable	Water	3005A	
500-254245-3 MSD	VER_021	Total Recoverable	Water	3005A	
500-254245-3 DU	VER_021	Total Recoverable	Water	3005A	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Metals

Prep Batch: 781122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-6	VER_042	Total Recoverable	Water	3005A	
500-254245-24	VER_005	Total Recoverable	Water	3005A	
MB 500-781122/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-781122/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-254245-6 MS	VER_042	Total Recoverable	Water	3005A	
500-254245-6 MSD	VER_042	Total Recoverable	Water	3005A	
500-254245-6 DU	VER_042	Total Recoverable	Water	3005A	

Analysis Batch: 781316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-3	VER_021	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-4	VER_038	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-5	VER_038_FD	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-6	VER_042	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-7	VER_043	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-8	VER_043_FD	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-12	VER_ND3	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-13	VER_OED1	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-16	VER_003R	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-17	VER_003R_FD	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-18	VER_004	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-19	VER_008R	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-21	VER_020	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-24	VER_005	Total Recoverable	Water	200.7 Rev 4.4	781009
MB 500-781005/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	781005
MB 500-781009/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	781009
LCS 500-781005/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	781005
LCS 500-781009/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-3 MS	VER_021	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-3 MSD	VER_021	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-6 MS	VER_042	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-6 MSD	VER_042	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-24 MS	VER_005	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-3 DU	VER_021	Total Recoverable	Water	200.7 Rev 4.4	781005
500-254245-6 DU	VER_042	Total Recoverable	Water	200.7 Rev 4.4	781009
500-254245-24 DU	VER_005	Total Recoverable	Water	200.7 Rev 4.4	781009

Analysis Batch: 781318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total Recoverable	Water	6020B	781120
500-254245-3	VER_021	Total Recoverable	Water	6020B	781120
500-254245-4	VER_038	Total Recoverable	Water	6020B	781120
500-254245-5	VER_038_FD	Total Recoverable	Water	6020B	781120
500-254245-6	VER_042	Total Recoverable	Water	6020B	781122
500-254245-7	VER_043	Total Recoverable	Water	6020B	781120
500-254245-8	VER_043_FD	Total Recoverable	Water	6020B	781120
500-254245-12	VER_ND3	Total Recoverable	Water	6020B	781120
500-254245-13	VER_OED1	Total Recoverable	Water	6020B	781120
500-254245-16	VER_003R	Total Recoverable	Water	6020B	781120
500-254245-17	VER_003R_FD	Total Recoverable	Water	6020B	781120

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Metals (Continued)

Analysis Batch: 781318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-18	VER_004	Total Recoverable	Water	6020B	781120
500-254245-19	VER_008R	Total Recoverable	Water	6020B	781120
500-254245-21	VER_020	Total Recoverable	Water	6020B	781120
500-254245-24	VER_005	Total Recoverable	Water	6020B	781122
MB 500-781120/1-A	Method Blank	Total Recoverable	Water	6020B	781120
MB 500-781122/1-A	Method Blank	Total Recoverable	Water	6020B	781122
LCS 500-781120/2-A	Lab Control Sample	Total Recoverable	Water	6020B	781120
LCS 500-781122/2-A	Lab Control Sample	Total Recoverable	Water	6020B	781122
500-254245-3 MS	VER_021	Total Recoverable	Water	6020B	781120
500-254245-3 MSD	VER_021	Total Recoverable	Water	6020B	781120
500-254245-6 MS	VER_042	Total Recoverable	Water	6020B	781122
500-254245-6 MSD	VER_042	Total Recoverable	Water	6020B	781122
500-254245-3 DU	VER_021	Total Recoverable	Water	6020B	781120
500-254245-6 DU	VER_042	Total Recoverable	Water	6020B	781122

Prep Batch: 781384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total/NA	Water	7470A	
500-254245-3	VER_021	Total/NA	Water	7470A	
500-254245-4	VER_038	Total/NA	Water	7470A	
500-254245-5	VER_038_FD	Total/NA	Water	7470A	
500-254245-6	VER_042	Total/NA	Water	7470A	
500-254245-7	VER_043	Total/NA	Water	7470A	
500-254245-8	VER_043_FD	Total/NA	Water	7470A	
500-254245-12	VER_ND3	Total/NA	Water	7470A	
500-254245-13	VER_OED1	Total/NA	Water	7470A	
500-254245-16	VER_003R	Total/NA	Water	7470A	
500-254245-17	VER_003R_FD	Total/NA	Water	7470A	
500-254245-18	VER_004	Total/NA	Water	7470A	
500-254245-19	VER_008R	Total/NA	Water	7470A	
MB 500-781384/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-781384/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-254245-3 MS	VER_021	Total/NA	Water	7470A	
500-254245-3 MSD	VER_021	Total/NA	Water	7470A	
500-254245-6 MS	VER_042	Total/NA	Water	7470A	
500-254245-6 MSD	VER_042	Total/NA	Water	7470A	
500-254245-3 DU	VER_021	Total/NA	Water	7470A	
500-254245-6 DU	VER_042	Total/NA	Water	7470A	

Prep Batch: 781386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-21	VER_020	Total/NA	Water	7470A	
500-254245-24	VER_005	Total/NA	Water	7470A	
MB 500-781386/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-781386/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 781422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-6	VER_042	Total Recoverable	Water	6020B	781122
500-254245-24	VER_005	Total Recoverable	Water	6020B	781122
MB 500-781122/1-A	Method Blank	Total Recoverable	Water	6020B	781122

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Metals (Continued)

Analysis Batch: 781422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-781122/2-A	Lab Control Sample	Total Recoverable	Water	6020B	781122
500-254245-6 MS	VER_042	Total Recoverable	Water	6020B	781122
500-254245-6 MSD	VER_042	Total Recoverable	Water	6020B	781122
500-254245-6 DU	VER_042	Total Recoverable	Water	6020B	781122

Analysis Batch: 781573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-12	VER_ND3	Total Recoverable	Water	6020B	781120
500-254245-13	VER_OED1	Total Recoverable	Water	6020B	781120
500-254245-16	VER_003R	Total Recoverable	Water	6020B	781120
500-254245-17	VER_003R_FD	Total Recoverable	Water	6020B	781120
500-254245-18	VER_004	Total Recoverable	Water	6020B	781120
500-254245-19	VER_008R	Total Recoverable	Water	6020B	781120
500-254245-21	VER_020	Total Recoverable	Water	6020B	781120

Analysis Batch: 781636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total/NA	Water	7470A	781384
500-254245-3	VER_021	Total/NA	Water	7470A	781384
500-254245-4	VER_038	Total/NA	Water	7470A	781384
500-254245-5	VER_038_FD	Total/NA	Water	7470A	781384
500-254245-6	VER_042	Total/NA	Water	7470A	781384
500-254245-7	VER_043	Total/NA	Water	7470A	781384
500-254245-8	VER_043_FD	Total/NA	Water	7470A	781384
500-254245-12	VER_ND3	Total/NA	Water	7470A	781384
500-254245-13	VER_OED1	Total/NA	Water	7470A	781384
500-254245-16	VER_003R	Total/NA	Water	7470A	781384
500-254245-17	VER_003R_FD	Total/NA	Water	7470A	781384
500-254245-18	VER_004	Total/NA	Water	7470A	781384
500-254245-19	VER_008R	Total/NA	Water	7470A	781384
500-254245-21	VER_020	Total/NA	Water	7470A	781386
500-254245-24	VER_005	Total/NA	Water	7470A	781386
MB 500-781384/12-A	Method Blank	Total/NA	Water	7470A	781384
MB 500-781386/12-A	Method Blank	Total/NA	Water	7470A	781386
LCS 500-781384/13-A	Lab Control Sample	Total/NA	Water	7470A	781384
LCS 500-781386/13-A	Lab Control Sample	Total/NA	Water	7470A	781386
500-254245-3 MS	VER_021	Total/NA	Water	7470A	781384
500-254245-3 MSD	VER_021	Total/NA	Water	7470A	781384
500-254245-6 MS	VER_042	Total/NA	Water	7470A	781384
500-254245-6 MSD	VER_042	Total/NA	Water	7470A	781384
500-254245-3 DU	VER_021	Total/NA	Water	7470A	781384
500-254245-6 DU	VER_042	Total/NA	Water	7470A	781384

General Chemistry

Analysis Batch: 779370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total/NA	Water	SM 2540C	
500-254245-3	VER_021	Total/NA	Water	SM 2540C	
MB 500-779370/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-779370/2	Lab Control Sample	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

General Chemistry (Continued)

Analysis Batch: 779370 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-3 MS	VER_021	Total/NA	Water	SM 2540C	
500-254245-3 MSD	VER_021	Total/NA	Water	SM 2540C	
500-254245-2 DU	VER_041	Total/NA	Water	SM 2540C	

Analysis Batch: 779570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-4	VER_038	Total/NA	Water	SM 2540C	
500-254245-5	VER_038_FD	Total/NA	Water	SM 2540C	
500-254245-6	VER_042	Total/NA	Water	SM 2540C	
500-254245-7	VER_043	Total/NA	Water	SM 2540C	
500-254245-8	VER_043_FD	Total/NA	Water	SM 2540C	
MB 500-779570/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-779570/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-254245-6 MS	VER_042	Total/NA	Water	SM 2540C	
500-254245-6 MSD	VER_042	Total/NA	Water	SM 2540C	
500-254245-5 DU	VER_038_FD	Total/NA	Water	SM 2540C	

Analysis Batch: 779571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-12	VER_ND3	Total/NA	Water	SM 2540C	
500-254245-13	VER_OED1	Total/NA	Water	SM 2540C	
MB 500-779571/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-779571/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 779809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-16	VER_003R	Total/NA	Water	SM 2540C	
500-254245-17	VER_003R_FD	Total/NA	Water	SM 2540C	
500-254245-18	VER_004	Total/NA	Water	SM 2540C	
500-254245-19	VER_008R	Total/NA	Water	SM 2540C	
500-254245-21	VER_020	Total/NA	Water	SM 2540C	
500-254245-24	VER_005	Total/NA	Water	SM 2540C	
MB 500-779809/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-779809/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-254245-16 MS	VER_003R	Total/NA	Water	SM 2540C	
500-254245-16 DU	VER_003R	Total/NA	Water	SM 2540C	
500-254245-17 DU	VER_003R_FD	Total/NA	Water	SM 2540C	

Analysis Batch: 780451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total/NA	Water	SM 2320B	
500-254245-3	VER_021	Total/NA	Water	SM 2320B	
500-254245-4	VER_038	Total/NA	Water	SM 2320B	
500-254245-5	VER_038_FD	Total/NA	Water	SM 2320B	
500-254245-6	VER_042	Total/NA	Water	SM 2320B	
500-254245-7	VER_043	Total/NA	Water	SM 2320B	
500-254245-8	VER_043_FD	Total/NA	Water	SM 2320B	
500-254245-12	VER_ND3	Total/NA	Water	SM 2320B	
500-254245-13	VER_OED1	Total/NA	Water	SM 2320B	
500-254245-16	VER_003R	Total/NA	Water	SM 2320B	
500-254245-17	VER_003R_FD	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

General Chemistry (Continued)

Analysis Batch: 780451 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-18	VER_004	Total/NA	Water	SM 2320B	
500-254245-19	VER_008R	Total/NA	Water	SM 2320B	
500-254245-21	VER_020	Total/NA	Water	SM 2320B	
500-254245-24	VER_005	Total/NA	Water	SM 2320B	
MB 500-780451/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-780451/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-780451/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-780451/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 780563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total/NA	Water	300.0	
500-254245-2	VER_041	Total/NA	Water	300.0	
500-254245-3	VER_021	Total/NA	Water	300.0	
500-254245-4	VER_038	Total/NA	Water	300.0	
500-254245-5	VER_038_FD	Total/NA	Water	300.0	
500-254245-6	VER_042	Total/NA	Water	300.0	
500-254245-7	VER_043	Total/NA	Water	300.0	
500-254245-8	VER_043_FD	Total/NA	Water	300.0	
500-254245-17	VER_003R_FD	Total/NA	Water	300.0	
500-254245-17	VER_003R_FD	Total/NA	Water	300.0	
500-254245-18	VER_004	Total/NA	Water	300.0	
500-254245-19	VER_008R	Total/NA	Water	300.0	
500-254245-19	VER_008R	Total/NA	Water	300.0	
500-254245-21	VER_020	Total/NA	Water	300.0	
500-254245-21	VER_020	Total/NA	Water	300.0	
500-254245-24	VER_005	Total/NA	Water	300.0	
500-254245-24	VER_005	Total/NA	Water	300.0	
MB 500-780563/3	Method Blank	Total/NA	Water	300.0	
MB 500-780563/67	Method Blank	Total/NA	Water	300.0	
LCS 500-780563/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 500-780563/68	Lab Control Sample	Total/NA	Water	300.0	
500-254245-3 MS	VER_021	Total/NA	Water	300.0	
500-254245-3 MSD	VER_021	Total/NA	Water	300.0	
500-254245-6 MS	VER_042	Total/NA	Water	300.0	
500-254245-6 MSD	VER_042	Total/NA	Water	300.0	
500-254245-18 MS	VER_004	Total/NA	Water	300.0	
500-254245-18 MSD	VER_004	Total/NA	Water	300.0	

Analysis Batch: 780794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-12	VER_ND3	Total/NA	Water	300.0	
500-254245-13	VER_OED1	Total/NA	Water	300.0	
500-254245-16	VER_003R	Total/NA	Water	300.0	
500-254245-16	VER_003R	Total/NA	Water	300.0	
MB 500-780794/3	Method Blank	Total/NA	Water	300.0	
LCS 500-780794/4	Lab Control Sample	Total/NA	Water	300.0	
500-254245-12 MS	VER_ND3	Total/NA	Water	300.0	
500-254245-12 MSD	VER_ND3	Total/NA	Water	300.0	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

General Chemistry

Analysis Batch: 781160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-12	VER_ND3	Total/NA	Water	300.0	
500-254245-13	VER_OED1	Total/NA	Water	300.0	
MB 500-781160/3	Method Blank	Total/NA	Water	300.0	
LCS 500-781160/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 781571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total/NA	Water	SM 4500 F C	
500-254245-3	VER_021	Total/NA	Water	SM 4500 F C	
500-254245-4	VER_038	Total/NA	Water	SM 4500 F C	
500-254245-5	VER_038_FD	Total/NA	Water	SM 4500 F C	
500-254245-6	VER_042	Total/NA	Water	SM 4500 F C	
500-254245-7	VER_043	Total/NA	Water	SM 4500 F C	
500-254245-8	VER_043_FD	Total/NA	Water	SM 4500 F C	
500-254245-12	VER_ND3	Total/NA	Water	SM 4500 F C	
500-254245-13	VER_OED1	Total/NA	Water	SM 4500 F C	
500-254245-16	VER_003R	Total/NA	Water	SM 4500 F C	
500-254245-17	VER_003R_FD	Total/NA	Water	SM 4500 F C	
500-254245-18	VER_004	Total/NA	Water	SM 4500 F C	
500-254245-19	VER_008R	Total/NA	Water	SM 4500 F C	
500-254245-21	VER_020	Total/NA	Water	SM 4500 F C	
500-254245-24	VER_005	Total/NA	Water	SM 4500 F C	
MB 500-781571/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-781571/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-781571/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-781571/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-254245-3 MS	VER_021	Total/NA	Water	SM 4500 F C	
500-254245-3 MSD	VER_021	Total/NA	Water	SM 4500 F C	
500-254245-6 MS	VER_042	Total/NA	Water	SM 4500 F C	
500-254245-6 MSD	VER_042	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 780497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-2	VER_041	Total/NA	Water	Field Sampling	
500-254245-3	VER_021	Total/NA	Water	Field Sampling	
500-254245-4	VER_038	Total/NA	Water	Field Sampling	
500-254245-5	VER_038_FD	Total/NA	Water	Field Sampling	
500-254245-6	VER_042	Total/NA	Water	Field Sampling	
500-254245-7	VER_043	Total/NA	Water	Field Sampling	
500-254245-8	VER_043_FD	Total/NA	Water	Field Sampling	
500-254245-12	VER_ND3	Total/NA	Water	Field Sampling	
500-254245-13	VER_OED1	Total/NA	Water	Field Sampling	
500-254245-16	VER_003R	Total/NA	Water	Field Sampling	
500-254245-17	VER_003R_FD	Total/NA	Water	Field Sampling	
500-254245-18	VER_004	Total/NA	Water	Field Sampling	
500-254245-19	VER_008R	Total/NA	Water	Field Sampling	
500-254245-21	VER_020	Total/NA	Water	Field Sampling	
500-254245-24	VER_005	Total/NA	Water	Field Sampling	
500-254245-27	VER_002	Total/NA	Water	Field Sampling	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Field Service / Mobile Lab (Continued)

Analysis Batch: 780497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-28	VER_007R	Total/NA	Water	Field Sampling	
500-254245-29	VER_017	Total/NA	Water	Field Sampling	
500-254245-30	VER_036	Total/NA	Water	Field Sampling	
500-254245-31	VER_037	Total/NA	Water	Field Sampling	
500-254245-32	VER_SG01	Total/NA	Water	Field Sampling	
500-254245-34	VER_101&	Total/NA	Water	Field Sampling	
500-254245-35	VER_103&	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-781005/1-A
Matrix: Water
Analysis Batch: 781316

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 781005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		08/12/24 15:47	08/13/24 11:57	1

Lab Sample ID: LCS 500-781005/2-A
Matrix: Water
Analysis Batch: 781316

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 781005

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.236		mg/L		94	85 - 115

Lab Sample ID: 500-254245-3 MS
Matrix: Water
Analysis Batch: 781316

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 781005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0025	J	0.250	0.264		mg/L		104	70 - 130

Lab Sample ID: 500-254245-3 MSD
Matrix: Water
Analysis Batch: 781316

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 781005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.0025	J	0.250	0.271		mg/L		107	70 - 130	3	20

Lab Sample ID: 500-254245-3 DU
Matrix: Water
Analysis Batch: 781316

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 781005

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.0025	J	0.00234	J	mg/L		6	20

Lab Sample ID: MB 500-781009/1-A
Matrix: Water
Analysis Batch: 781316

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 781009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		08/12/24 15:55	08/13/24 14:15	1

Lab Sample ID: LCS 500-781009/2-A
Matrix: Water
Analysis Batch: 781316

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 781009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.250		mg/L		100	85 - 115

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 781316

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0030	J	0.250	0.256		mg/L		101	70 - 130

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 500-254245-6 MSD
Matrix: Water
Analysis Batch: 781316

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781009

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.0030	J	0.250	0.288		mg/L		114	70 - 130	12	20

Lab Sample ID: 500-254245-24 MS
Matrix: Water
Analysis Batch: 781316

Client Sample ID: VER_005
Prep Type: Total Recoverable
Prep Batch: 781009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.10		0.250	0.354		mg/L		100	70 - 130

Lab Sample ID: 500-254245-6 DU
Matrix: Water
Analysis Batch: 781316

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781009

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.0030	J	0.00358	J	mg/L		18	20

Lab Sample ID: 500-254245-24 DU
Matrix: Water
Analysis Batch: 781316

Client Sample ID: VER_005
Prep Type: Total Recoverable
Prep Batch: 781009

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.10		0.108		mg/L		4	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-781120/1-A
Matrix: Water
Analysis Batch: 781318

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 781120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/13/24 09:19	08/13/24 18:33	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		08/13/24 09:19	08/13/24 18:33	1
Barium	<0.0025		0.0025	0.00073	mg/L		08/13/24 09:19	08/13/24 18:33	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:19	08/13/24 18:33	1
Boron	0.0311	J	0.050	0.013	mg/L		08/13/24 09:19	08/13/24 18:33	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:19	08/13/24 18:33	1
Calcium	<0.20		0.20	0.044	mg/L		08/13/24 09:19	08/13/24 18:33	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:19	08/13/24 18:33	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:19	08/13/24 18:33	1
Lead	0.000391	J	0.00050	0.00019	mg/L		08/13/24 09:19	08/13/24 18:33	1
Magnesium	<0.20		0.20	0.049	mg/L		08/13/24 09:19	08/13/24 18:33	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:19	08/13/24 18:33	1
Potassium	<0.50		0.50	0.11	mg/L		08/13/24 09:19	08/13/24 18:33	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:19	08/13/24 18:33	1
Sodium	<0.20		0.20	0.077	mg/L		08/13/24 09:19	08/13/24 18:33	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:19	08/13/24 18:33	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: LCS 500-781120/2-A
Matrix: Water
Analysis Batch: 781318

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 781120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.491		mg/L		98	80 - 120
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	0.500	0.527		mg/L		105	80 - 120
Beryllium	0.0500	0.0514		mg/L		103	80 - 120
Boron	1.00	1.02		mg/L		102	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Calcium	10.0	8.73		mg/L		87	80 - 120
Chromium	0.200	0.203		mg/L		102	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Lead	0.100	0.101		mg/L		101	80 - 120
Magnesium	10.0	10.5		mg/L		105	80 - 120
Molybdenum	1.00	0.973		mg/L		97	80 - 120
Potassium	10.0	10.5		mg/L		105	80 - 120
Selenium	0.100	0.103		mg/L		103	80 - 120
Sodium	10.0	10.4		mg/L		104	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: 500-254245-3 MS
Matrix: Water
Analysis Batch: 781318

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 781120

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.487		mg/L		97	75 - 125
Arsenic	0.044		0.100	0.146		mg/L		103	75 - 125
Barium	0.11		0.500	0.640		mg/L		105	75 - 125
Beryllium	<0.0010		0.0500	0.0498		mg/L		100	75 - 125
Boron	0.83	B	1.00	1.77		mg/L		94	75 - 125
Cadmium	<0.00050		0.0500	0.0496		mg/L		99	75 - 125
Calcium	67		10.0	77.2	4	mg/L		107	75 - 125
Chromium	<0.0050		0.200	0.197		mg/L		99	75 - 125
Cobalt	<0.0010		0.500	0.484		mg/L		97	75 - 125
Lead	<0.00050		0.100	0.0984		mg/L		98	75 - 125
Magnesium	30		10.0	39.8		mg/L		100	75 - 125
Molybdenum	0.0031	J	1.00	0.976		mg/L		97	75 - 125
Potassium	2.3		10.0	12.2		mg/L		100	75 - 125
Selenium	<0.0025		0.100	0.103		mg/L		103	75 - 125
Sodium	52		10.0	60.7	4	mg/L		91	75 - 125
Thallium	<0.0020		0.100	0.100		mg/L		100	75 - 125

Lab Sample ID: 500-254245-3 MSD
Matrix: Water
Analysis Batch: 781318

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 781120

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.501		mg/L		100	75 - 125	3	20
Arsenic	0.044		0.100	0.146		mg/L		102	75 - 125	0	20
Barium	0.11		0.500	0.647		mg/L		107	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0504		mg/L		101	75 - 125	1	20
Boron	0.83	B	1.00	1.80		mg/L		97	75 - 125	1	20

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-254245-3 MSD
Matrix: Water
Analysis Batch: 781318

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 781120

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cadmium	<0.00050		0.0500	0.0510		mg/L		102	75 - 125	3	20
Calcium	67		10.0	80.0	4	mg/L		135	75 - 125	4	20
Chromium	<0.0050		0.200	0.200		mg/L		100	75 - 125	1	20
Cobalt	<0.0010		0.500	0.494		mg/L		99	75 - 125	2	20
Lead	<0.00050		0.100	0.101		mg/L		101	75 - 125	3	20
Magnesium	30		10.0	40.8		mg/L		109	75 - 125	2	20
Molybdenum	0.0031	J	1.00	1.01		mg/L		100	75 - 125	3	20
Potassium	2.3		10.0	12.5		mg/L		102	75 - 125	2	20
Selenium	<0.0025		0.100	0.105		mg/L		105	75 - 125	2	20
Sodium	52		10.0	60.4	4	mg/L		87	75 - 125	1	20
Thallium	<0.0020		0.100	0.104		mg/L		104	75 - 125	3	20

Lab Sample ID: 500-254245-3 DU
Matrix: Water
Analysis Batch: 781318

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 781120

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.044		0.0434		mg/L		0.8	20
Barium	0.11		0.113		mg/L		0.8	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	0.83	B	0.801		mg/L		4	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	67		66.6		mg/L		0.1	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	30		29.8		mg/L		0.3	20
Molybdenum	0.0031	J	0.00307	J	mg/L		2	20
Potassium	2.3		2.26		mg/L		0.2	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Sodium	52		51.6		mg/L		0.1	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: MB 500-781122/1-A
Matrix: Water
Analysis Batch: 781318

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/13/24 09:22	08/13/24 20:15	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		08/13/24 09:22	08/13/24 20:15	1
Barium	<0.0025		0.0025	0.00073	mg/L		08/13/24 09:22	08/13/24 20:15	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/13/24 09:22	08/13/24 20:15	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/13/24 09:22	08/13/24 20:15	1
Calcium	<0.20		0.20	0.044	mg/L		08/13/24 09:22	08/13/24 20:15	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/13/24 09:22	08/13/24 20:15	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/13/24 09:22	08/13/24 20:15	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/13/24 09:22	08/13/24 20:15	1
Magnesium	<0.20		0.20	0.049	mg/L		08/13/24 09:22	08/13/24 20:15	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-781122/1-A
Matrix: Water
Analysis Batch: 781318

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/13/24 09:22	08/13/24 20:15	1
Potassium	<0.50		0.50	0.11	mg/L		08/13/24 09:22	08/13/24 20:15	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/13/24 09:22	08/13/24 20:15	1
Sodium	<0.20		0.20	0.077	mg/L		08/13/24 09:22	08/13/24 20:15	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/13/24 09:22	08/13/24 20:15	1

Lab Sample ID: MB 500-781122/1-A
Matrix: Water
Analysis Batch: 781422

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0235	J	0.050	0.013	mg/L		08/13/24 09:22	08/14/24 13:25	1

Lab Sample ID: LCS 500-781122/2-A
Matrix: Water
Analysis Batch: 781318

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.490		mg/L		98	80 - 120
Arsenic	0.100	0.0951		mg/L		95	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	0.0491		mg/L		98	80 - 120
Calcium	10.0	8.17		mg/L		82	80 - 120
Chromium	0.200	0.207		mg/L		103	80 - 120
Cobalt	0.500	0.523		mg/L		105	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Magnesium	10.0	10.1		mg/L		101	80 - 120
Molybdenum	1.00	0.955		mg/L		95	80 - 120
Potassium	10.0	10.1		mg/L		101	80 - 120
Selenium	0.100	0.0943		mg/L		94	80 - 120
Sodium	10.0	10.0		mg/L		100	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Lab Sample ID: LCS 500-781122/2-A
Matrix: Water
Analysis Batch: 781422

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.06		mg/L		106	80 - 120

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 781318

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.486		mg/L		97	75 - 125
Arsenic	0.020		0.100	0.115		mg/L		95	75 - 125
Barium	0.15		0.500	0.647		mg/L		99	75 - 125
Beryllium	<0.0010		0.0500	0.0498		mg/L		100	75 - 125

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 781318

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	<0.00050		0.0500	0.0475		mg/L		95	75 - 125
Calcium	84		10.0	92.0	4	mg/L		77	75 - 125
Chromium	<0.0050		0.200	0.199		mg/L		99	75 - 125
Cobalt	<0.0010		0.500	0.495		mg/L		99	75 - 125
Lead	<0.00050		0.100	0.0986		mg/L		99	75 - 125
Magnesium	47		10.0	56.5	4	mg/L		92	75 - 125
Molybdenum	<0.0050		1.00	0.955		mg/L		95	75 - 125
Potassium	2.5		10.0	12.2		mg/L		97	75 - 125
Selenium	<0.0025		0.100	0.0953		mg/L		95	75 - 125
Sodium	56		10.0	65.2	4	mg/L		87	75 - 125
Thallium	<0.0020		0.100	0.101		mg/L		101	75 - 125

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 781422

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.66	B	1.00	1.69		mg/L		104	75 - 125

Lab Sample ID: 500-254245-6 MSD
Matrix: Water
Analysis Batch: 781318

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.491		mg/L		98	75 - 125	1	20
Arsenic	0.020		0.100	0.116		mg/L		97	75 - 125	1	20
Barium	0.15		0.500	0.660		mg/L		101	75 - 125	2	20
Beryllium	<0.0010		0.0500	0.0502		mg/L		100	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0482		mg/L		96	75 - 125	1	20
Calcium	84		10.0	93.3	4	mg/L		91	75 - 125	1	20
Chromium	<0.0050		0.200	0.201		mg/L		100	75 - 125	1	20
Cobalt	<0.0010		0.500	0.505		mg/L		101	75 - 125	2	20
Lead	<0.00050		0.100	0.100		mg/L		100	75 - 125	1	20
Magnesium	47		10.0	56.8	4	mg/L		96	75 - 125	1	20
Molybdenum	<0.0050		1.00	0.972		mg/L		97	75 - 125	2	20
Potassium	2.5		10.0	12.4		mg/L		98	75 - 125	1	20
Selenium	<0.0025		0.100	0.0943		mg/L		94	75 - 125	1	20
Sodium	56		10.0	66.0	4	mg/L		96	75 - 125	1	20
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	2	20

Lab Sample ID: 500-254245-6 MSD
Matrix: Water
Analysis Batch: 781422

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.66	B	1.00	1.71		mg/L		106	75 - 125	1	20

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-254245-6 DU
Matrix: Water
Analysis Batch: 781318

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.020		0.0188		mg/L		4	20
Barium	0.15		0.147		mg/L		3	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	84		82.7		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	47		46.2		mg/L		2	20
Molybdenum	<0.0050		<0.0050		mg/L		NC	20
Potassium	2.5		2.52		mg/L		1	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Sodium	56		55.3		mg/L		2	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-254245-6 DU
Matrix: Water
Analysis Batch: 781422

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 781122

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	0.66	B	0.654		mg/L		0.3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-781384/12-A
Matrix: Water
Analysis Batch: 781636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 781384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/14/24 11:40	08/15/24 08:44	1

Lab Sample ID: LCS 500-781384/13-A
Matrix: Water
Analysis Batch: 781636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 781384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00204		mg/L		102	80 - 120

Lab Sample ID: 500-254245-3 MS
Matrix: Water
Analysis Batch: 781636

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 781384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000901		mg/L		90	75 - 125

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-254245-3 MSD — **Client Sample ID: VER_021**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 781636 — **Prep Batch: 781384**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000964		mg/L		96	75 - 125	7	20

Lab Sample ID: 500-254245-6 MS — **Client Sample ID: VER_042**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 781636 — **Prep Batch: 781384**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000928		mg/L		93	75 - 125

Lab Sample ID: 500-254245-6 MSD — **Client Sample ID: VER_042**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 781636 — **Prep Batch: 781384**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000993		mg/L		99	75 - 125	7	20

Lab Sample ID: 500-254245-3 DU — **Client Sample ID: VER_021**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 781636 — **Prep Batch: 781384**

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: 500-254245-6 DU — **Client Sample ID: VER_042**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 781636 — **Prep Batch: 781384**

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 500-781386/12-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 781636 — **Prep Batch: 781386**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/14/24 11:40	08/15/24 07:30	1

Lab Sample ID: LCS 500-781386/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 781636 — **Prep Batch: 781386**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00207		mg/L		104	80 - 120

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-780563/3
Matrix: Water
Analysis Batch: 780563

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			08/08/24 18:45	1
Sulfate	<1.0		1.0	0.21	mg/L			08/08/24 18:45	1

Lab Sample ID: MB 500-780563/67
Matrix: Water
Analysis Batch: 780563

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			08/09/24 10:56	1
Sulfate	<1.0		1.0	0.21	mg/L			08/09/24 10:56	1

Lab Sample ID: LCS 500-780563/4
Matrix: Water
Analysis Batch: 780563

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	19.3		mg/L		96	90 - 110		
Sulfate			20.0	20.4		mg/L		102	90 - 110		

Lab Sample ID: LCS 500-780563/68
Matrix: Water
Analysis Batch: 780563

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	19.2		mg/L		96	90 - 110		
Sulfate			20.0	20.6		mg/L		103	90 - 110		

Lab Sample ID: 500-254245-3 MS
Matrix: Water
Analysis Batch: 780563

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1.7		10.0	10.6		mg/L		89	80 - 120		
Sulfate	21	F1 F2	10.0	32.0		mg/L		113	80 - 120		

Lab Sample ID: 500-254245-3 MSD
Matrix: Water
Analysis Batch: 780563

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.7		10.0	10.8		mg/L		91	80 - 120	2	20
Sulfate	21	F1 F2	10.0	41.9	F1 F2	mg/L		212	80 - 120	27	20

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 780563

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	15		20.0	32.7		mg/L		87	80 - 120		
Sulfate	58		20.0	76.2		mg/L		90	80 - 120		

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 500-254245-6 MSD
Matrix: Water
Analysis Batch: 780563

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15		20.0	32.8		mg/L		88	80 - 120	0	20
Sulfate	58		20.0	76.2		mg/L		90	80 - 120	0	20

Lab Sample ID: 500-254245-18 MS
Matrix: Water
Analysis Batch: 780563

Client Sample ID: VER_004
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10		10.0	19.7		mg/L		93	80 - 120
Sulfate	27		10.0	37.1		mg/L		100	80 - 120

Lab Sample ID: 500-254245-18 MSD
Matrix: Water
Analysis Batch: 780563

Client Sample ID: VER_004
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10		10.0	20.0		mg/L		96	80 - 120	1	20
Sulfate	27		10.0	37.3		mg/L		102	80 - 120	1	20

Lab Sample ID: MB 500-780794/3
Matrix: Water
Analysis Batch: 780794

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			08/10/24 11:41	1
Sulfate	<1.0		1.0	0.21	mg/L			08/10/24 11:41	1

Lab Sample ID: LCS 500-780794/4
Matrix: Water
Analysis Batch: 780794

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	19.2		mg/L		96	90 - 110
Sulfate	20.0	20.8		mg/L		104	90 - 110

Lab Sample ID: 500-254245-12 MS
Matrix: Water
Analysis Batch: 780794

Client Sample ID: VER_ND3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.7	J	50.0	47.2		mg/L		87	80 - 120

Lab Sample ID: 500-254245-12 MSD
Matrix: Water
Analysis Batch: 780794

Client Sample ID: VER_ND3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.7	J	50.0	47.2		mg/L		87	80 - 120	0	20

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-781160/3
Matrix: Water
Analysis Batch: 781160

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			08/13/24 12:58	1
Sulfate	<1.0		1.0	0.21	mg/L			08/13/24 12:58	1

Lab Sample ID: LCS 500-781160/4
Matrix: Water
Analysis Batch: 781160

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	19.5		mg/L		98	90 - 110
Sulfate	20.0	20.5		mg/L		103	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-780451/28
Matrix: Water
Analysis Batch: 780451

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 CaCO3	<5.0		5.0	3.7	mg/L			08/07/24 17:20	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			08/07/24 17:20	1

Lab Sample ID: MB 500-780451/3
Matrix: Water
Analysis Batch: 780451

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 CaCO3	<5.0		5.0	3.7	mg/L			08/07/24 13:41	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			08/07/24 13:41	1

Lab Sample ID: LCS 500-780451/29
Matrix: Water
Analysis Batch: 780451

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	110		mg/L		110	80 - 120

Lab Sample ID: LCS 500-780451/4
Matrix: Water
Analysis Batch: 780451

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	99.5		mg/L		100	80 - 120

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-779370/1
Matrix: Water
Analysis Batch: 779370

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			08/01/24 02:28	1

Lab Sample ID: LCS 500-779370/2
Matrix: Water
Analysis Batch: 779370

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	264		mg/L		106	80 - 120

Lab Sample ID: 500-254245-3 MS
Matrix: Water
Analysis Batch: 779370

Client Sample ID: VER_021
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	678		mg/L		110	75 - 125

Lab Sample ID: 500-254245-3 MSD
Matrix: Water
Analysis Batch: 779370

Client Sample ID: VER_021
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	674		mg/L		109	75 - 125	1	20

Lab Sample ID: 500-254245-2 DU
Matrix: Water
Analysis Batch: 779370

Client Sample ID: VER_041
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	620		624		mg/L		0	5

Lab Sample ID: MB 500-779570/1
Matrix: Water
Analysis Batch: 779570

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			08/02/24 00:43	1

Lab Sample ID: LCS 500-779570/2
Matrix: Water
Analysis Batch: 779570

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

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 779570

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	580		250	830		mg/L		100	75 - 125

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-254245-6 MSD — **Client Sample ID: VER_042**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 779570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	580		250	840		mg/L		104	75 - 125	1	20

Lab Sample ID: 500-254245-5 DU — **Client Sample ID: VER_038_FD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 779570

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	540		556		mg/L		3	5

Lab Sample ID: MB 500-779571/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 779571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			08/02/24 02:39	1

Lab Sample ID: LCS 500-779571/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 779571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	254		mg/L		102	80 - 120

Lab Sample ID: MB 500-779809/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 779809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			08/04/24 22:39	1

Lab Sample ID: LCS 500-779809/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 779809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	254		mg/L		102	80 - 120

Lab Sample ID: 500-254245-16 MS — **Client Sample ID: VER_003R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 779809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1300		250	1520	4	mg/L		86	75 - 125

Lab Sample ID: 500-254245-16 DU — **Client Sample ID: VER_003R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 779809

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300		1290		mg/L		1	5

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-254245-17 DU
Matrix: Water
Analysis Batch: 779809

Client Sample ID: VER_003R_FD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300		1320		mg/L		3	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-781571/3
Matrix: Water
Analysis Batch: 781571

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			08/14/24 14:29	1

Lab Sample ID: MB 500-781571/31
Matrix: Water
Analysis Batch: 781571

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			08/14/24 16:43	1

Lab Sample ID: LCS 500-781571/32
Matrix: Water
Analysis Batch: 781571

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	9.51		mg/L		95	90 - 119

Lab Sample ID: LCS 500-781571/4
Matrix: Water
Analysis Batch: 781571

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	9.59		mg/L		96	90 - 119

Lab Sample ID: 500-254245-3 MS
Matrix: Water
Analysis Batch: 781571

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.0		5.00	6.04		mg/L		100	75 - 125

Lab Sample ID: 500-254245-3 MSD
Matrix: Water
Analysis Batch: 781571

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.0		5.00	5.96		mg/L		99	75 - 125	1	20

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 781571

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.55		5.00	5.50		mg/L		99	75 - 125

Lab Sample ID: 500-254245-6 MSD
Matrix: Water
Analysis Batch: 781571

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.55		5.00	5.47		mg/L		98	75 - 125	1	20

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_041
Date Collected: 07/29/24 16:40
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 [1]
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 12:19
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 [1]
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 18:40
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 08:50
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/09/24 14:28
Total/NA	Analysis	300.0		5	780563	W1T	EET CHI	08/09/24 14:44
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 15:23
Total/NA	Analysis	SM 2540C		1	779370	CLB	EET CHI	08/01/24 03:09
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 14:44
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/29/24 16:40

Client Sample ID: VER_021
Date Collected: 07/30/24 15:10
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 [1]
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 12:23
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 [1]
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 18:42
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 08:52
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/09/24 14:59
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 15:34
Total/NA	Analysis	SM 2540C		1	779370	CLB	EET CHI	08/01/24 03:14
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 14:49
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 15:10

Client Sample ID: VER_038
Date Collected: 07/30/24 14:40
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 [1]
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 12:54
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 [1]
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 18:58
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:05
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/09/24 17:00
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 15:44

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_038
Date Collected: 07/30/24 14:40
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	779570	CLB	EET CHI	08/02/24 01:16
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 15:04
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 14:40

Client Sample ID: VER_038_FD
Date Collected: 07/30/24 14:55
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 [1]
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 12:59
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 [1]
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:00
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:07
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/09/24 17:15
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 15:54
Total/NA	Analysis	SM 2540C		1	779570	CLB	EET CHI	08/02/24 01:19
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 15:09
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 14:55

Client Sample ID: VER_042
Date Collected: 07/30/24 09:45
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781009	S1Z	EET CHI	08/12/24 15:55 - 08/12/24 21:57 [1]
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 14:24
Total Recoverable	Prep	3005A			781122	BDE	EET CHI	08/13/24 09:22 - 08/13/24 15:22 [1]
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 20:19
Total Recoverable	Prep	3005A			781122	BDE	EET CHI	08/13/24 09:22 - 08/13/24 15:22 [1]
Total Recoverable	Analysis	6020B		1	781422	RN	EET CHI	08/14/24 13:36
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:09
Total/NA	Analysis	300.0		2	780563	W1T	EET CHI	08/09/24 17:31
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 16:05
Total/NA	Analysis	SM 2540C		1	779570	CLB	EET CHI	08/02/24 01:24
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 16:52
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 09:45

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_043
Date Collected: 07/30/24 10:50
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 [1]
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 13:03
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 [1]
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:02
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:18
Total/NA	Analysis	300.0		5	780563	W1T	EET CHI	08/09/24 18:16
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 16:15
Total/NA	Analysis	SM 2540C		1	779570	CLB	EET CHI	08/02/24 01:32
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 15:13
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 10:50

Client Sample ID: VER_043_FD
Date Collected: 07/30/24 11:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 [1]
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 13:08
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 [1]
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:05
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:20
Total/NA	Analysis	300.0		5	780563	W1T	EET CHI	08/09/24 19:02
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 16:25
Total/NA	Analysis	SM 2540C		1	779570	CLB	EET CHI	08/02/24 01:34
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 15:27
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 11:00

Client Sample ID: VER_ND3
Date Collected: 07/30/24 13:20
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 [1]
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 13:47
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 [1]
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:18
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 [1]
Total Recoverable	Analysis	6020B		20	781573	RN	EET CHI	08/14/24 14:55
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:37
Total/NA	Analysis	300.0		5	780794	W1T	EET CHI	08/10/24 14:58
Total/NA	Analysis	300.0		50	781160	W1T	EET CHI	08/13/24 18:01

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_ND3
Date Collected: 07/30/24 13:20
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 17:33
Total/NA	Analysis	SM 2540C		1	779571	CLB	EET CHI	08/02/24 02:44
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 15:45
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 13:20

Client Sample ID: VER_OED1
Date Collected: 07/30/24 12:20
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 13:51
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:20
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		20	781573	RN	EET CHI	08/14/24 14:58
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 ¹
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:40
Total/NA	Analysis	300.0		5	780794	W1T	EET CHI	08/10/24 15:43
Total/NA	Analysis	300.0		100	781160	W1T	EET CHI	08/13/24 18:16
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 17:41
Total/NA	Analysis	SM 2540C		1	779571	CLB	EET CHI	08/02/24 02:46
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 15:51
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 12:20

Client Sample ID: VER_003R
Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 14:05
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:34
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		20	781573	RN	EET CHI	08/14/24 15:04
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 ¹
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:46
Total/NA	Analysis	300.0		1	780794	W1T	EET CHI	08/10/24 16:29
Total/NA	Analysis	300.0		20	780794	W1T	EET CHI	08/10/24 16:44
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 17:58
Total/NA	Analysis	SM 2540C		1	779809	CLB	EET CHI	08/04/24 22:44
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 16:06

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_003R
Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/31/24 14:25

Client Sample ID: VER_003R_FD
Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781005	S1Z	EET CHI	08/12/24 15:47 - 08/12/24 21:50 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 14:09
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:41
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		20	781573	RN	EET CHI	08/14/24 15:07
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 ¹
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:48
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/08/24 19:30
Total/NA	Analysis	300.0		20	780563	W1T	EET CHI	08/08/24 19:46
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 18:11
Total/NA	Analysis	SM 2540C		1	779809	CLB	EET CHI	08/04/24 22:51
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 16:11
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/31/24 14:25

Client Sample ID: VER_004
Date Collected: 07/31/24 11:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781009	S1Z	EET CHI	08/12/24 15:55 - 08/12/24 21:57 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 14:54
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:50
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		5	781573	RN	EET CHI	08/14/24 15:13
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 ¹
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:50
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/08/24 20:01
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 18:21
Total/NA	Analysis	SM 2540C		1	779809	CLB	EET CHI	08/04/24 22:57
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 16:24
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/31/24 11:00

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_008R
Date Collected: 07/31/24 12:50
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781009	S1Z	EET CHI	08/12/24 15:55 - 08/12/24 21:57 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 14:59
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 19:57
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		20	781573	RN	EET CHI	08/14/24 15:16
Total/NA	Prep	7470A			781384	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 ¹
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 09:52
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/08/24 20:46
Total/NA	Analysis	300.0		20	780563	W1T	EET CHI	08/08/24 21:01
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 18:30
Total/NA	Analysis	SM 2540C		1	779809	CLB	EET CHI	08/04/24 22:59
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 16:28
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/31/24 12:50

Client Sample ID: VER_020
Date Collected: 07/31/24 10:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781009	S1Z	EET CHI	08/12/24 15:55 - 08/12/24 21:57 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 15:08
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 20:08
Total Recoverable	Prep	3005A			781120	BDE	EET CHI	08/13/24 09:19 - 08/13/24 15:19 ¹
Total Recoverable	Analysis	6020B		1	781573	RN	EET CHI	08/14/24 15:20
Total/NA	Prep	7470A			781386	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 ¹
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 07:35
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/08/24 22:02
Total/NA	Analysis	300.0		5	780563	W1T	EET CHI	08/08/24 22:17
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 18:48
Total/NA	Analysis	SM 2540C		1	779809	CLB	EET CHI	08/04/24 23:04
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 16:38
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/31/24 10:00

Client Sample ID: VER_005
Date Collected: 08/01/24 08:15
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			781009	S1Z	EET CHI	08/12/24 15:55 - 08/12/24 21:57 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781316	SJ	EET CHI	08/13/24 15:35
Total Recoverable	Prep	3005A			781122	BDE	EET CHI	08/13/24 09:22 - 08/13/24 15:22 ¹
Total Recoverable	Analysis	6020B		1	781318	RN	EET CHI	08/13/24 20:35

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_005
Date Collected: 08/01/24 08:15
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781122	BDE	EET CHI	08/13/24 09:22 - 08/13/24 15:22 [1]
Total Recoverable	Analysis	6020B		10	781422	RN	EET CHI	08/14/24 13:51
Total/NA	Prep	7470A			781386	MJG	EET CHI	08/14/24 11:40 - 08/14/24 13:40 [1]
Total/NA	Analysis	7470A		1	781636	MJG	EET CHI	08/15/24 07:41
Total/NA	Analysis	300.0		1	780563	W1T	EET CHI	08/08/24 23:03
Total/NA	Analysis	300.0		10	780563	W1T	EET CHI	08/08/24 23:18
Total/NA	Analysis	SM 2320B		1	780451	SO	EET CHI	08/07/24 19:19
Total/NA	Analysis	SM 2540C		1	779809	CLB	EET CHI	08/04/24 23:12
Total/NA	Analysis	SM 4500 F C		1	781571	SO	EET CHI	08/14/24 17:27
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	08/01/24 08:15

Client Sample ID: VER_002
Date Collected: 07/29/24 12:36
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/29/24 12:36

Client Sample ID: VER_007R
Date Collected: 07/29/24 12:34
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/29/24 12:34

Client Sample ID: VER_017
Date Collected: 07/29/24 12:37
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/29/24 12:37

Client Sample ID: VER_036
Date Collected: 07/29/24 13:01
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/29/24 13:01

Client Sample ID: VER_037
Date Collected: 07/29/24 13:03
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/29/24 13:03

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Client Sample ID: VER_SG01
Date Collected: 07/29/24 10:00
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/29/24 10:00

Client Sample ID: VER_101&
Date Collected: 07/31/24 09:00
Date Received: 08/08/24 11:57

Lab Sample ID: 500-254245-34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/31/24 09:00

Client Sample ID: VER_103&
Date Collected: 07/30/24 11:00
Date Received: 08/08/24 11:57

Lab Sample ID: 500-254245-35
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	780497	DN	EET CHI	07/30/24 11:00

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-3
SDG: VER_845_910-911

Laboratory: Eurofins Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	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

CHAIN-OF-CUSTODY / Analytical Request Document

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500-254245

Page 1 of 3

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company:	Vistra Corp-Vermilion	Report To:	Brian Voelker	Attention	Jason Stuckey
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:		Profile #:	

500-254245 COC

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE	IL	

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	~~VER_002~~																	X					X		DTW Only
2	~~VER_009R~~																X	X				X			
3	~~VER_003R_FD~~																X	X				X			
4	~~VER_004~~																X	X				X			
5	~~VER_005~~																X	X				X			
6	~~VER_007R~~																	X					X		DTW Only
7	~~VER_008R~~																X	X				X			
8	~~VER_010~~																X		X	X	X				
9	~~VER_010_FD~~																X		X	X	X				
10	~~VER_101&~~																X	X				X			
11	~~VER_103&~~																X	X				X			
12	~~VER_016A~~																X		X	X	X				
13	~~VER_016IB~~																X		X	X	X				
14	~~VER_017~~																	X					X		DTW Only
15	~~VER_020~~																X	X				X			
16	~~VER_021~~																X	X				X			MS/MSD

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Filewicz	7/30/24	0700		7/30/24	1210	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER	Lorne Filewicz		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER		DATE Signed (MM/DD/YY) 7-30-24				

Rec'd by: [signature] 7/30 JH 7/30/24 1000
Relinquished by: [signature] 7/30/24 1210

3.9 → 3.8

580-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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Page 2 of 3

Section A Required Client Information.

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone.	(217) 753-8911 Fax:
Requested Due Date/TAT.	10 day

Section B Required Project Information.

Report To:	Brian Voelker
Copy To.	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information.

Attention	Jason Stuckey
Company Name:	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
1	* VER_022			7/29/24	1650												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~~																	~~X~~					~~X~~		DTW Only
6	~~VER_037~~																	~~X~~					~~X~~		DTW Only
7	~~VER_038~~																~~X~~	~~X~~				~~X~~			
8	~~VER_038_FD~~																~~X~~	~~X~~				~~X~~			
9	* VER_041			7/29/24	1640												X	X				X			
10	~~VER_042~~																~~X~~	~~X~~				~~X~~			MS/MSD
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~~			

1

2

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne F. Lewicz	7-30-24	0700	[signature]	7/30/24	1210	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne F. Lewicz

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-30-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Rec'd by: J. Hoffman 7/30/24 1000
relinquished by: J. Hoffman 7/30/24 1260

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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Page 3 of 3

Section A Required Client Information

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To.	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT	10 day

Section B Required Project Information.

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No	
Project Name:	
Project Number:	

Section C Invoice Information

Attention:	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
1	~~VER_ND3~~																	X				X			
2	~~VER_NED1~~																		X			X			
3	~~VER_OED1~~																	X				X			
4	~~VER_SG01~~																	X					X		DTW Only
5	~~VER_FB~~																X		X	X	X				
6	~~VER_EB~~																X		X	X	X				
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Filewicz	7/30/24	0700	[illegible]	7/30/24	1210	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Filewicz

SIGNATURE of SAMPLER: Lorne Filewicz DATE Signed (MM/DD/YY): 7-30-24

Rec'd by: [illegible] 7/30/24 1000
Relinquished by: [illegible] 7/30/24 1210

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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500-254245 COC

Page 1 of 3

Section A Required Client Information:	Section B Required Project Information.	Section C Invoice Information.
Company: Vistra Corp-Vermilion	Report To: Brian Voelker	Attention: Jason Stuckey
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:	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
1	VER_002																	X				X			DTW Only
2	VER_003R																X	X				X			
3	VER_003R_FD																X	X				X			
4	VER_004																X	X				X			
5	VER_005																X	X				X			
6	VER_007R																	X					X		DTW Only
7	VER_008R																X	X				X			
8	VER_010																X		X	X	X				
9	VER_010_FD																X		X	X	X				
10	VER_101A																X	X				X			
11	VER_103A																X	X				X			
12	VER_016A																X		X	X	X				
13	VER_016IB																X		X	X	X				
14	VER_017																	X					X		DTW Only
15	VER_020																X	X				X			
16	VER_021			7-30 24	1510												X	X				X			MS/MSD

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Fellows	7-31-24	0700		7/31/24	1235	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lorne Fellows
SIGNATURE of SAMPLER: Lorne Fellows
DATE Signed (MM/DD/YY): 7-30-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Rec'd by: J Zellers 7/31/24 1015
Relinquished by: J Zellers 7/31/24 1235

5.4→5.3, 4.8→4.7
4.9→4.8, 3.3→3.2

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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Page 2 of 3

Section A Required Client Information:

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax
Requested Due Date/TAT	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna tickner@vistracorp com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
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																	X					X		DTW Only
6	VER_037																	X					X		DTW Only
7	VER_038			7-30-24	1440												X	X				X			
8	VER_038_FD			7-30-24	1455												X	X				X			
9	VER_041			[illegible]	[illegible]												X	X				X			
10	VER_042			7/30/24	0946												X	X				X			MS/MSD
11	VER_043			7-30-24	1050												X	X				X			
12	VER_043_FD			7-30-24	1100												X	X				X			
13	VER_070&D			7-30-24	0900												X		X			X			
14	VER_070#S			7-30-24	0810												X		X			X			
15	VER_071&D																X		X			X			
16	VER_071#S			7-30-24	1228												X		X			X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	[signature]	7/30/24	0700	[signature]	7/31/24	1235	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lorne Fulcher
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-31-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

JH Rel Rec'd by: [signature] 7/31/24 1015
Rel: [signature] 7/31/24 1235

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 3 of 3

Section A Required Client Information

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax.
Requested Due Date/TAT	10 day

Section B Required Project Information.

Report To:	Brian Voelker
Copy To	Sam Davies samantha davies@vistracorp.com
	Dianna Tickner - dianna tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information

Attention	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference.	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
12 1	~~VER_ND3~~			7-30-24	1320													X				X			
2	~~VER_NED1~~																		X			X			
13 3	~~VER_OED1~~			7-30-24	1220													X				X			
4	~~VER_SG01~~																	X					X		DTW Only
14 5	~~VER_FB~~			7.30-24	0700												X		X	X	X				
15 6	~~VER_EB~~			7.30-24	0700												X		X	X	X				
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Fiewicz	7-31-24	0700	[illegible]	7/31/24	1235	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Fiewicz

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 73124

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Recd by: [signature] 7/31/24 1015
Rel: [signature] 7/31/24 1235

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-254245

500-254245 COC

Page 1 of 3

Section A Required Client Information

Company	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax
Requested Due Date/TAT	10 day

Section B Required Project Information

Report To:	Brian Voelker
Copy To.	Sam Davies samantha davies@vistracorp com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number	

Section C Invoice Information.

Attention	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	~~VER_002~~																	X				X			DTW Only
2	* VER_009R			7-31-24	1425												X	X				X			7-31-24 - 1425
3	* VER_003R_FD			7-31-24	1425												X	X				X			
4	* VER_004			7-31-24	1100												X	X				X			
5	~~VER_005~~																X	X				X			
6	~~VER_007R~~																	X					X		DTW Only
7	* VER_008R			7-31-24	1250												X	X				X			
8	~~VER_010~~																X		X	X	X				
9	VER_010_FD * Moved Rule To 16A																X		X	X	X				
10	~~VER_101&~~																X	X				X			
11	~~VER_103&~~																X	X				X			
12	* VER_016A			7-31-24	0905												X		X	X	X				
13	~~VER_016IB~~																X		X	X	X				
14	~~VER_017~~																	X					X		DTW Only
15	* VER_020			7-31-24	1000												X	X				X			
16	~~VER_021~~																X	X				X			MS/MSD

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0		8-1-24	0700		8/1/24	0700	
		8-1-24	1230		8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connie Fijewicz

SIGNATURE of SAMPLER: Connie Fijewicz DATE Signed (MM/DD/YY): 8-1-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

22 * 16A-FD 7-31-24 0905 (Moved From VER-010)

4.2 → 4.1, 3.3 → 3.2

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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Page 2 of 3

Section A Required Client Information.	Section B Required Project Information.	Section C Invoice Information.
Company: Vistra Corp-Vermilion	Report To: Brian Voelker	Attention: Jason Stuckey
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:	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 /)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	VER_022															X		X			X		
2	VER_034															X	X			X			
3	* VER_035&D			7-31-24	1305											X		X	X	X			
4	VER_035#S															X		X	X	X			
5	VER_036																X				X		DTW Only
6	VER_037																X				X		DTW Only
7	VER_038															X	X			X			
8	VER_038_FD															X	X			X			
9	VER_041															X	X			X			
10	VER_042															X	X			X			MS/MSD
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			

23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lonny Ickes CCR	8-1-24	0700	CCR	8/1/24	8-1-24	
		8-1-24	1230		8/1/24	1230	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER: Lonny Ickes, CCR	DATE Signed (MM/DD/YY): 8-1-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER: Lonny Ickes					

CHAIN-OF-CUSTODY / Analytical Request Document

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500-254245

Page 3 of 3

Section A Required Client Information.

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax
Requested Due Date/TAT	10 day

Section B Required Project Information

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information.

Attention:	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 /)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	VER_ND3																	X				X			
2	VER_NED1																		X			X			
3	VER_OED1																	X				X			
4	VER_SG01																	X					X		DTW Only
5	VER_FB																X		X	X	X				
6	VER_EB																X		X	X	X				
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0		8-1-24	0700		8-1-24	0800	
		8-1-24	1230		8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Filewicz

SIGNATURE of SAMPLER: Lorne Filewicz

DATE Signed (MM/DD/YY): 8-1-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-254245

Page 1 of 3

Section A Required Client Information.

Company:	Vistra Corp-Vermillion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT	10 day

Section B Required Project Information.

Report To.	Brian Voelker
Copy To.	Sam Davies samantha davies@vistracorp com
	Dianna Tickner - dianna tickner@vistracorp com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information

Attention	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	VER_002																X				X			DTW Only
2	VER_003R															X	X				X			
3	VER_003R_FD															X	X				X			
4	VER_004															X	X				X			
24 5	VER_005			8-1-24	0815											X	X				X			
6	VER_007R																X					X		DTW Only
25 7	VER_008R															X	X				X			
8	VER_010			8-1-24	0800											X		X	X	X				
9	VER_010_FD															X		X	X	X				
10	VER_101&															X	X				X			
11	VER_103&															X	X				X			
12	VER_016A															X		X	X	X				
13	VER_016IB															X		X	X	X				
14	VER_017																X					X		DTW Only
15	VER_020															X	X				X			
16	VER_021															X	X				X			MS/MSD

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne F. Lewis, C2 EETA	8-1-24	0900	EETA	8/1/24	1000 →	
	EETA	8-1-24	1330	Lead	8/1/24	1230	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lorne F. Lewis, C2
SIGNATURE of SAMPLER: Lorne F. Lewis, C2
DATE Signed (MM/DD/YY): 8-1-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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Page 2 of 3

Section A Required Client Information		Section B Required Project Information.		Section C Invoice Information.	
Company:	Vistra Corp-Vermilion	Report To:	Brian Voelker	Attention:	Jason Stuckey
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:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D
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																X					X		DTW Only
6	VER_037																X					X		DTW Only
7	VER_038															X	X				X			
8	VER_038_FD															X	X				X			
9	VER_041															X	X				X			
10	VER_042															X	X				X			MS/MSD
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			8.1.24	0850		X									X		X			X			1 BOTTLE well Dry
16	VER_071#S															X		X			X			

24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Cornell Filowicz	8-1-24	0900		8-1-24	1000	
		8-1-24	1230		8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Cornell Filowicz

SIGNATURE of SAMPLER: Cornell Filowicz DATE Signed (MM/DD/YY): 8-1-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 3 of 3

Section A Required Client Information.

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax
Requested Due Date/TAT	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No	
Project Name	
Project Number:	

Section C Invoice Information

Attention	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	VER_ND3																	X				X			
2	VER_NED1																		X			X			
3	VER_OED1																	X				X			
4	VER_SG01																	X					X		DTW Only
5	VER_FB																X		X	X	X				
6	VER_EB																X		X	X	X				
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Filewicz	8-1-24	0900	[signature] EETA	8-1-24	1000	
	[signature] EETA	8-1-24	1230	[signature] Stantec	8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Filewicz

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8.1.24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-254245-3
SDG Number: VER_845_910-911

Login Number: 254245
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8,5.3,4.7,4.8,3.2,4.1,0.2,3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

SAR-3: Episodic Depth to Groundwater Measurements
All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.
Plant: VER
Event: VER-24Q3 Rev 0

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Depth To Bottom Comments	Initials
101S	VER_101#S	07/29	0930	58.45	64.09	GA
102	VER_102&		0936	124.42	155.54	
102S	VER_102#S		0939	72.03	78.47	
103S	VER_103#S		1151	57.79	73.99	
104	VER_104&		0942	125.24	160.05	
104S	VER_104#S		0945	72.42	83.12	
105	VER_105&		0954	115.72	138.55	
105S	VER_105#S		0951	67.42	75.25	
16B	VER_016!B		1057	Dry	7.31	
23	VER_023		1414	14.51	24.68	
24	VER_024		1416	22.02	56.82	
25	VER_025		1014	16.24	41.88	
35S	VER_035#S		1105	12.05	12.43	
SG01	VER_YSG01	↓	1206	78.04	Transducer will be added to this location at a future date	↓

U:6/21/23 GKJ

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads
All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.
Plant: VER
Event: VER-24Q3 Rev 0

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	On-site Transducer Data					Depth To Bottom Comments	Initials
					Data Logger Serial No.	Does Data Logger Serial No. Match?	WL Reading on Transducer (ft)	Data down-loaded?	Batt (H/M/L)		
RG01	VER_RG01	07/29				N/A					GA
02	VER_002		1236	18.93	21863664	NA	NA	N	NA	41.35	
03R	VER_003R		1234	7.95	21863701	Y	NA	N	H	29.49	
04	VER_004		1323	8.18	21615494	Y	582.9119	✓	H	11.45	
05	VER_005		1350	7.59	21863665	Y	588.5460	✓	H	14.59	
07R	VER_007R		1234	17.05	21863672	NA	NA	N	NA	23.58	
08R	VER_008R		1241	13.89	21615142	Y	NA	N	H	14.58	
10	VER_010		1025	49.09	21921674	Y	609.8188	✓	H	55.49	
16A	VER_016A		1059	9.28	21564137	NA	NA	N	~~H~~ NA	32.91	
17	VER_017		1237	39.18	21675573	NA	NA	N	NA	63.19	
20	VER_020		1333	15.13	21863671	Y	577.2557	✓	H	17.60	
21	VER_021		1158	91.16	21615622	Y	582.7552	✓	H	103.58	
22	VER_022		1027	54.92	21739726	Y	605.0443	✓	H	87.01	
34	VER_034		1336	——	21615519	Y	578.6346	✓	H	Busted	
35D	VER_035&D		1106	12.57	21564141	NA	NA	N	NA	48.59	
36	VER_036		1301	14.55	21863668	NA	NA	N	NA	29.18	
37	VER_037		1303	8.15	21863670	NA	NA	N	NA	55.68	
38	VER_038		1345	7.35	21863674	Y	585.0434	✓	H	24.85	
41	VER_041		1318	6.11	21615517	Y	581.5095	✓	H	26.78	
42	VER_042		1225	25.87	21863663	Y	NA	N	H	53.58	
43	VER_043		1217	16.01	21615627	Y	592.5140	✓	H	57.78	
70S	VER_070#S		1036	14.05	21615597	Y	580.1011	✓	H	19.81	
70D	VER_070&D		1037	39.51	21615620	Y	582.2989	✓	H	47.98	
71S	VER_071#S		1044	11.91	21615599	Y	596.6891	✓	H	13.09	
71D	VER_071&D		1046	36.91	21863675	Y	544.4292	✓	M	38.29	
101	VER_101&		0924	108.50	21739729	Y	598.7845	✓	H	152.39	
103	VER_103&		1154	130.11	21615619	Y	590.9249	✓	H	165.02	
ND3	VER_ND3		1403	17.20	21863702	Y	617.2670	✓	H	19.38	
NED1	VER_NED1		—	—	21739721	——	——	—	—	Underwater	
OED1	VER_OED1		1357	40.22	21739731	Y	590.7194	✓	H	42.15	
SG01	VER_SG01	↓	1000	16.21	21615604	Y	613.7324	✓	H	——	↓

Battery Replaced — 1
Battery Replaced — 1
Battery Replaced — 1

U: 6/27/24 RAB

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7 / 31 /2024 Time: ~~1464~~ 1350
Field Personnel: G. Keating Finish Date: 7/31/2024 Time: 1440

WELL INFORMATION

Well ID: 03R
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
~~Low-Flow / Low Stress Sampling~~
Other (Specify): Low Flow

YSI SERIAL NO: 4114887X
Heron Serial NO: 4851-T

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1358	—	7.87	—	—	—	—	—	—	—	—
Purge	5	1400	0.5	8.03	—	15.3	7.19	1.822	3.72	12.12	-8.6	Clear
↓	10	1405	0.5	8.21	—	13.5	7.43	1.813	0.42	18.51	-112.1	" "
	15	1410	1	8.17	—	13.5	7.44	1.821	0.27	23.30	-123.9	" "
↓	20 dA	1415	1.5	8.20	—	13.4	7.44	1.822	0.22	24.72	-128.1	" "
~~Purge~~	25 1420	~~1437~~	—	~~7.98~~ dA 8.25	—	13.4	7.44	1.829	0.21	25.20	-130.5	" "
Final	30	1437	—	7.98	—	—	—	—	—	—	—	—
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: _03R and _03R_FD
Sampled @ 1425 on 07/31/24

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 Celcius

03R and 03R_FD @ 1425
Duplicate

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/31/2024 Time: 1035
Field Personnel: Lorae F Finish Date: Same Time: 1100

WELL INFORMATION

Well ID: 04
Casing ID: 2 (inches)

EVENT TYPE
Well Development
Well Volume Approach Sampling
(Low-Flow / Low Stress Sampling)
Other (Specify): Low Flow

YSI SERIAL NO: 20410916
Heron Serial NO: 12HE230305 FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1035		8.03								Clear
Purge	5	1040		8.09		14.9	7.57	.595	.47	1.50	-133.6	
	10	1045		8.19		15.0	7.58	.598	.22	1.40	-146.9	
	15	1050		8.27		15.0	7.57	.600	.17	1.42	-149.1	
~~Sample~~	20	1055		8.30		15.1	7.56	.602	.17	1.40	-150.3	
	25	1100	2Gal	8.33		15.1	7.55	.603	.16	1.38	-151.3	
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 04
Sampled @ 1100 on 7/31/24

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: 1 Start Date: 8 / 1 /2024 Time: 0750
Field Personnel: G. Assalley Finish Date: 08/01/2024 Time: 0825

WELL INFORMATION

Well ID: 05
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow
YSI SERIAL NO: 14887X
Heron Serial NO:

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	0756	—	7.73	—	—	—	—	—	—	—	[illegible]
Purge	5	0755	—05	7.78	[illegible]	14.2	7.50	1.000	0.34	4.85	49.1	clear
↓	10	0800	—0.5	7.84	—	14.2	7.50	0.999	0.27	3.41	41.6	"
	15	0805	1	7.90	—	14.1	7.50	1.001	0.22	2.26	32.8	"
↓	20	0810	2	7.92	—	14.1	7.50	1.001	0.20	3.45	33.8	"
Final	25	0820	4	7.94	—	—	—	—	—	—	—	—
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: -05
Sampled @ on 08 / 1 / 2024

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 Celcius

(a) 0815

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: 1 Start Date: 07/31/2024 Time: 1213
Field Personnel: G. Acosta Finish Date: 07/31/24 Time: 1330

WELL INFORMATION

Well ID: 08R
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 4114887X
Heron Serial NO: 4851-T

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV GA	Visual Clarity
Pre	0	1218	—	13.99	—	—	—	—	—	—	—	—
Purge	5	1220	0.5	14.19		15.6	6.96	1.696	3.75	59.41	4.2	Clear
↓	10	1225	1	14.15		14.9	7.26	1.718	0.54	8.60 46.40	-55.8	"
	15	1230	2	14.08		15.1	7.61	1.715	0.39	15.75	-93.9	"
	20	1235	2.5	14.05		15.2	7.68	1.716	0.34	14.03	-111.4	"
	25	1240	3	14.03		15.3	7.74	1.716	0.30	14.94	-121.3	"
↓	30	1245	4	~~14.03~~ GA 14.04		15.2	7.75	1.716	0.29	13.98	-120.7	"
Final	35			13.98								
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: ~~1250~~ GA 08R
Sampled @ 1250 on 7/31/2024

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 Celcius

(a) 1250
ID: 08R

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: ~~1540~~ 1540
Field Personnel: Lorne Finish Date: Same Time:

WELL INFORMATION

Well ID: 10
Casing ID: Inches:

EVENT TYPE
Well Development
Well Volume Approach Sampling
~~Low-Flow / Low Stress Sampling~~
Other (Specify): Low Flow

YSI SERIAL NO: 20H104816
Heron Serial NO: 12HE230345FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1540		53.35								Clear
Purge	5	1545		Dry		16.8	6.66	1.322	1.73	14.55	97.7	
	10	1550		Dry		16.8	6.66	1.313	1.48	9.10	97.3	
	15	1555		Dry		~~15.8~~						
X	20	~~1600~~										
	25	1605										
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 10
Sampled @ 10 on 7 30 /24 Well went Dry at 1555 No Sample Taken

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 Celcius

Dupe @ No Dupe

Re Sample on 8-1-24 0800 Filled All Bottles.

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 07/31/2024 Time: 0825
Field Personnel: G. Awalley Finish Date: 07/31/2024 Time: 0930

WELL INFORMATION

Well ID: 16A
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow
YSI SERIAL NO:
Heron Serial NO:

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
												CA
Pre	0	0830	—	9.22	—	—	—	—	—	—	—	—
Purge	5	0835	0.5>	14.90	—	12.3	7.58	1.480	0.37	25.85	-122.6	Clear
↓	10	0840	1	6A ~~16.42~~	—	12.5	7.62	1.409	0.49	23.65	-136.7	" "
	15	0845	3	18.11	—	12.6	7.63	1.397	1.78	38.57	-127.7	" "
	20	0850	3.5	20.04	—	12.6	7.64	1.388	1.91	54.15	-125.8	" "
	25	0855	4	21.73	—	12.6	7.65	1.385	2.07	6A ~~55.47~~	-128.8	" "
↓	30	0900	4.5	27.82	—	12.6	7.65	1.379	1.95	57.37	-131.1	" "
Final	35	0926		26.14								
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 16A and 16A_FD
Sampled @ 0905 on 07/31/2024

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 Celcius

16A
16A_FD
Duplicate

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7 /31 /2024 Time: 0925
Field Personnel: Lorne F Finish Date: Same Time: 1000

WELL INFORMATION

Well ID: 20
Casing ID: 2 Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20H 1048116
Heron Serial NO: 12ft F230 383045 FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	0925		15.19								Cloudy
Purge	5	0930		15.21		13.4	7.12	.613	.59	20.29	3.9	
	10	0935		15.21		13.4	7.09	.621	.38	4.31	-8.5	
	15	0940		15.21		13.3	7.08	.631	.26	3.60	-15.9	
	20	0945		15.21		13.2	7.07	.636	.24	2.44	-17.7	
	25	0950		15.22		13.1	7.07	.638	.22	2.20	-19.7	
	30	0955		15.22		13.1	7.07	.639	.21	2.01	-20.2	
	35	1000	3 GAL	15.22		13.1	7.07	.641	.21	1.89	-20.3	
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 20
Sampled @ 1000 on 7/31/24

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 07/30/2024 Time: 1425
Field Personnel: G. Assalley Finish Date: 07/30/2024 Time: 1550

WELL INFORMATION

Well ID: VER-21
Casing ID: Inches: 2"

EVENT TYPE

Well Development
Well Volume Approach Sampling
~~Low Flow / Low Stress Sampling~~
Other (Specify): Low Flow

YSI SERIAL NO: 411488?X
Heron Serial NO: 4851-T

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1427	—	92.65	—	—	—	—	—	—	—	~~Clear~~
Purge	5	1430	0.5>	94.47	—	14.8	7.44	0.884	1.76	4.95	-101.3	Clear
	10	1435	0.5	95.87	—	14.7	7.50	0.822	0.62	5.91	-120.0	" "
	15	1440	1	97.97	—	14.5	7.53	0.810	0.39	15.25	-143.5	" "
	20	1445	1.5	98.27	—	14.6	7.54	0.802	0.32	28.10	-157.6	" "
	25	1450	2	99.03	—	14.6	7.57	0.806	0.54	41.23	-165.4	" "
	30	1455	2.5	99.54	—	14.7	7.58	0.801	0.31	53.85	-173.2	" "
	35	1500	3	99.77	—	14.7	7.59	0.800	0.27	57.46	-182.3	" "
	40	1505	3.5	99.82	—	14.8	7.59	0.801	0.26	54.66	-181.2	" "
Final	45	1550	5	98.2	—	—	—	—	—	—	—	—
	50											
	55											
	60											

NOTES (continued)

Sample ID: VER_21
Sampled @ ~~08~~ 1550 on 7/30/2024

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/29/2024 Time: 1600
Field Personnel: Larue Finish Date: Same Time: 1650

WELL INFORMATION

Well ID: 22
Casing ID: 2" Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20L1048916
Heron Serial NO: 12HF230304 5FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1610		54.24								Clear
Purge	5	1615		54.24		15.7	7.45	.766	3.65	112.70	-82.8	
	10	1620		56.42		14.8	7.35	.757	.74	112.90	-46.8	
	15	1625		57.20		14.9	7.34	.759	.54	113.72	-45.3	
*	20	1630		57.50		15.0	7.33	.761	.48	30.91	-45.8	
	25	1635		57.99		15.1	7.33	.762	.30	28.00	-46.1	
	30	1640		58.07		15.1	7.33	.762	.20	27.20	-45.4	
	35	1645		58.16		15.2	7.33	.764	.19	25.78	-45.5	
	40	1650	3.5G	58.20		15.2	7.33	.763	.18	25.29	-45.3	
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 22
Sampled @ 1650 on 7/29/24

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7 /31 /2024 Time: 1235
Field Personnel: Corne Finish Date: Same Time: 1305

WELL INFORMATION

Well ID: 35D
Casing ID: 2 Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20H048116
Heron Serial NO: I2HF230345FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1235		12.55								Clear
Purge	5	1240		14.92		16.2	7.33	4.643	1.42	8.25	-78.0	
	10	1245		17.23		16.9	7.45	4.649	.85	8.30	-54.5	
	15	1250		20.10		17.1	7.46	4.720	.91	8.42	-59.9	
X	20	1255		21.70		17.0	7.30	4.660	.89	9.01	-62.2	
	25	1300		23.10		16.9	7.27	4.662	.98	8.97	-61.3	
	30	1305		24.03		16.9	7.22	4.663	.96	8.91	-60.9	
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 35D
Sampled @ 1305 on 7 /31 /24

DTB 49

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/31/2024 Time: 1340
Field Personnel: Lorue Finish Date: Same Time:

WELL INFORMATION

Well ID: 35-S
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO:
Heron Serial NO:

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1340		11.98								
Purge	5											
	10											
	15											
	20											
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID:
Sampled @ on / /

Well Went Dry
Within 2min of PGE
DTB 12.44
No Sample taken

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: 1410
Field Personnel: Lorne Finish Date: Same Time: 1440

WELL INFORMATION

Well ID: 38
Casing ID: 2 Inches:

EVENT TYPE
Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20410486
Heron Serial NO: 17HF230305 FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1410		7.40								Clear
Purge	5	1415		7.42		15.1	7.03	.942	.74	44.66	<100.4	
	10	1420		7.42		15.2	6.97	.936	.27	125.79	-111.2	
	15	1425		7.42		15.1	6.96	.938	.18	102.71	-115.0	
*	20	1430		7.43		15.2	6.96	.934	.15	117.00	-116.2	
	25	1435		7.44		15.1	6.96	.936	.14	123.19	-117.4	
	30	1440	4.6gal	7.45		15.2	6.96	.939	.13	125.12	-118.3	
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 38
Sampled @ 1440 on 7/30/24

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 Celcius

Dupe @ 1455

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 07/29/2024 Time: 1600
Field Personnel: G. Assalin Finish Date: 07/29/2024 Time: 1654

WELL INFORMATION

Well ID: Ver_041
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
(Low-Flow) / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 21/488 7X
Heron Serial NO: 4851-T

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1602	~~0.5~~ GA	6.09	—	—	—	—	—	—	—	—
Purge	5	1620	0.5	6.12		13.8	7.20	1.395	0.46	11.31	-149.2	Clear
↓	10	1625	0.5	6.17		13.7	7.21	1.396	0.27	3.20	-152.0	Clear
	15	1630	1	6.16		13.6	7.22	1.340	0.19	5.96	-154.7	Clear
	20	1635	1.5	6.17		13.5	7.23	1.341	0.15	8.63	-156.4	"
↓	25	1640	2	6.20		13.5	7.23	1.341	0.14	9.42	-157.2	"
Final	30	1646	3.5	6.14								
	35											
	40											
	45											
	50					GA						
	55											
	60											

NOTES (continued)

Sample ID: Ver_041
Sampled @ 1640 on 07/29/2024

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 07/30/2024 Time: 0900
Field Personnel: G. Assalley Finish Date: 07/30/2024 Time: 1010

WELL INFORMATION

Well ID: 42
Casing ID: Inches: 2"

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 21143887X
Heron Serial NO: 4851-T

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	0905	0	25.89	—	—	—	—	—	—	—	—
Purge	5	0910	0.5	25.95	—	12.4	7.48	1.134	2.62	12.38	-98.0	Clear
↓	10	0915	1.5	26.01	—	11.9	7.56	1.126	0.28	4.80	-147.9	" "
↓	15	0920	3	26.05	—	12.1	7.55	1.129	0.26	3.06	-151.7	" "
↓	20	0925	3.5	25.99	—	12.5	7.55	1.127	0.27	2.93	-152.2	" "
↓	25	0930	4	25.95	—	12.5	7.54	1.125	1.00	4.03	-145.3	" "
↓	30	0935	4.5	25.90	—	12.6	7.54	1.125	1.14	6.68	-140.3	" "
↓	35	0940	5		—	12.6	7.55	1.125	1.18	5.40	-138.2	" "
Final	40	—	—	—	—	—	—	—	—	—	—	—
	45											
	50					GA						
	55											
	60											

GA

NOTES (continued)

Sample ID: -42, -042 MS, -042 MSD MS/MSD
Sampled @ 0945 on 07/30/2024

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 Celcius

all @ 0945

MS/MSD.

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7 /30/2024 Time: 1025
Field Personnel: Lorne Finish Date: Same Time: 1050

WELL INFORMATION

Well ID: 43
Casing ID: 2 Inches:

EVENT TYPE
Well Development
Well Volume Approach Sampling
Low-Flow / Low-Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20H104816
Heron Serial NO: 12HF230345 FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1025		15.95							→	Clear
Purge	5	1030		17.09		15.2	7.09	1.204	1.98	16.90	-77.0	
	10	1035		17.29		15.1	7.12	1.194	1.15	49.99	-93.9	
	15	1040		17.32		15.0	7.14	1.164	1.15	26.85	-99.4	
X	20	1045		17.45		14.9	7.15	1.145	0.99	26.01	-101.1	
	25	1050	2.5 Gal	17.50		14.9	7.16	1.129	0.94	25.32	-101.9	
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 43
Sampled @ 1050 on 7/30/24

Dupe @ 1100

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: 0830
Field Personnel: Lorne Finish Date: Same Time: 0900

WELL INFORMATION

Well ID: 70D
Casing ID: 2 (Inches:)

EVENT TYPE

Well Development
Well Volume Approach Sampling
(Low-Flow) Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20H104816
Heron Serial NO: 12H F2303045 FT

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	0830		39.36								Clear
Purge	5	0835		40.27		15.0	6.89	3.496	2.39	29.20	126.3	
	10	0840		41.92		14.9	6.82	3.249	2.25	17.82	124.7	
	15	0845		42.39		15.0	6.80	3.020	2.30	18.72	125.6	
X	20	0850		43.29		15.1	6.79	2.992	2.47	20.71	131.4	
	25	0855		44.50		15.2	6.79	2.971	2.71	19.21	135.7	
	30	0900	2.6gal	45.09		15.1	6.79	2.892	2.90	18.50	148.27	
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 70D
Sampled @ 0900 on 7/30/24

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: 0745
Field Personnel: Lorne Finish Date: Same Time: 0810

WELL INFORMATION

Well ID: 705
Casing ID: 2 (Inches)

EVENT TYPE

Well Development
Well Volume Approach Sampling
(Low-Flow) Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20H104816
Heron Serial NO: 12th F2303045 FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	0745		14.10								Clear
Purge	5	0750		14.10		14.0	6.94	1.305	2.35	15.81	118.3	
	10	0755		14.22		14.7	6.88	1.294	1.29	7.73	125.7	
	15	0800		14.25		14.6	6.88	1.300	1.28	7.92	126.1	
X	20	0810	2 GAL	14.30		14.5	6.98	1.293	1.26	6.07	127.6	
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 705
Sampled @ 0810 on 7/30/24

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: 1125
Field Personnel: G. Acstalling Finish Date: 08/1/2024 Time: 0850

WELL INFORMATION

Well ID: 71D
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO:
Heron Serial NO:

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
											GA	GA
Pre	0	1130	—	37.84	—	—		—	—	—		~~Clear~~
Purge	5	1135	0.5	Below Pump	—	14.3	6.99	4.494	0.81	26.17	130.5	Clear
↓	10	1140	1	"		14.7	6.98	4.507	0.51	47.27	131.5	"
	15	1145	1	"		15.3	6.98	4.505	0.45	19.42	131.2	"
	20	1150	1.3	"		15.8	6.99	4.496	0.46	23.36	89.3	"
—	25	1155	—	— Dry								
	30											
8/1/2024	35	0834	—	Below Pump	—	—						
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID:
Sampled @ ~~1~~ 30 on ~~1~~ 1/2024

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 Celcius

Dry at 1155 on 07/30/2024

Sampled on 08/1/2024

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: 1200
Field Personnel: G. Arsallah Finish Date: 07/30/2024 Time: 1237

WELL INFORMATION

Well ID: 715
Casing ID: Inches: 2"

EVENT TYPE

Well Development
Well Volume Approach Sampling
~~Low-Flow / Low Stress Sampling~~
Other (Specify): Low Flow

YSI SERIAL NO: 21143887X
Heron Serial NO: 4851-T

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1205	—	~~13.5~~ 12.42	—	— GA	—	—	—	—	— GA	—
Purge	5	1210	0.5	~~13.48~~ 12.5	—	~~17.2~~ 17.2	6.84	1.026	0.62	3.07	-5.8	Clear
↓	10	1215	1	12.42	—	17.2	6.84	1.021	0.28	2.26	2	↓
	15	1220	1.5	12.31	—	17.1	6.83	1.019	0.21	1.01	6.4	
↓	20	1225	3	12.05		17.1	6.83	1.021	0.18	1.26	8.9	↓
Final	25	1237	—	11.91	—	—	—	—	—	—	—	—
	30											
	35											
	40											
	45					GA						
	50											
	55											
	60											

NOTES (continued)

Sample ID: ~~1228~~ Ver-715
Sampled @ 1228 on 07/30/2024

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7 /31 /2024 Time: 0900
Field Personnel: Lorne Finish Date: Time:

WELL INFORMATION

Well ID: 101 R
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
~~Low-Flow / Low Stress Sampling~~
~~Other~~ (Specify): Low Flow

YSI SERIAL NO:
Heron Serial NO:

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0			108.46								
Purge	5											
	10											
	15											
	20											
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID:
Sampled @ on / /

Can't get water to Purge w/Equipment we Have on Site

Bottom 151.85

No Sample

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: 1100
Field Personnel: Lorne, Finish Date: Time:

WELL INFORMATION

Well ID: 103
Casing ID: Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20H104816
Heron Serial NO: 12HF230345FT

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0			180.10								
Purge	5											
	10											
	15											
	20											
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 103
Sampled @ on 7/30/24

Can't get water to Purge w/ Equipment we Have on Site

No Sample

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermilion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: 1250
Field Personnel: Lorne F Finish Date: Same Time: 1320

WELL INFORMATION

Well ID: ND3
Casing ID: 2 (Inches)

EVENT TYPE
Well Development
Well Volume Approach Sampling
Low-Flow / ~~Low Stress~~ Sampling
Other (Specify): Low Flow

YSI SERIAL NO: 20A104816
Heron Serial NO: 12HF230345FR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1250		17.27								Cloudy
Purge	5	1255		17.42		19.4	8.08	1,762	5.52	163.30	160.3	
	10	1300		17.67		19.6	8.05	1,773	5.85	105.35	166.0	
	15	1305		17.68		20.0	8.05	1,776	5.92	120.31	171.0	
X	20	1310		17.71		20.0	8.08	1,801	6.09	129.71	176.9	
	25	1315		17.75		19.9	8.14	1,748	7.29	140.68	180.2	
	30	1320	3.6gal	17.77		19.9	8.16	1,738	7.42	149.72	183.2	
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID ND3
Sampled @ 1320 on 7/30/24

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 Celcius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermillion Client: Vistra
Project Number: 2024.0099 Task #: Start Date: 7/30/2024 Time: 1155
Field Personnel: Lorne Finish Date: Same Time: 1220

WELL INFORMATION

Well ID: OED 1
Casing ID: 2 Inches:

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
~~Other (Specify): Low Flow~~

YSI SERIAL NO: 20K104816
Heron Serial NO: 12HF230304SFR

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1 or +/- 3%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) +/- 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/-10mV	Visual Clarity
Pre	0	1155		40.24								Clear
Purge	5	1200		40.62		18.1	10.13	2.791	1.69	6.52	128.7	
	10	1205		40.72		18.0	10.20	2.769	1.75	3.67	118.9	
	15	1210		40.79		18.0	10.22	2.807	.95	3.17	117.2	
X	20	1215		40.82		18.0	10.24	2.819	.92	3.07	115.7	
	25	1220	2GL	40.99		17.9	10.24	2.819	.89	3.15	115.0	
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: OED 1
Sampled @ 1220 on 7/30/24

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 Celcius

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 08/30/24 14:48:35

JOB DESCRIPTION

VER-24Q3
VER_000_RAD

JOB NUMBER

500-254245-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

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
08/30/24 14:48:35

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

Table of Contents

Case Narrative

Client: Vistra Energy Corp
Project: VER-24Q3

Job ID: 500-254245-2

Job ID: 500-254245-2 — Eurofins Chicago

Job Narrative
500-254245-2

Receipt
The samples were received on 07/30/24 12:10. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.2º C, 3.2º C, 3.2º C, 3.8º C, 4.1º C, 4.7º C, 4.8º C and 5.3º C.

Receipt Exceptions
Received bottles for sample 6 not marked on COC, logged them in.

Only received a plastic 1L with about 650ml for sample 26. VER_071&D (500-254245-26) - Insufficient sample for Radium analysis, not logged in.

RAD
Methods 904.0, 9320: Radium 228 Batch 674049: The matrix spike (MS/) recovery for 160-674049 was outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_022 — Lab Sample ID: 500-254245-1

No Detections.

Client Sample ID: VER_041 — Lab Sample ID: 500-254245-2

No Detections.

Client Sample ID: VER_021 — Lab Sample ID: 500-254245-3

No Detections.

Client Sample ID: VER_038 — Lab Sample ID: 500-254245-4

No Detections.

Client Sample ID: VER_038_FD — Lab Sample ID: 500-254245-5

No Detections.

Client Sample ID: VER_042 — Lab Sample ID: 500-254245-6

No Detections.

Client Sample ID: VER_043 — Lab Sample ID: 500-254245-7

No Detections.

Client Sample ID: VER_043_FD — Lab Sample ID: 500-254245-8

No Detections.

Client Sample ID: VER_070&D — Lab Sample ID: 500-254245-9

No Detections.

Client Sample ID: VER_070#S — Lab Sample ID: 500-254245-10

No Detections.

Client Sample ID: VER_071#S — Lab Sample ID: 500-254245-11

No Detections.

Client Sample ID: VER_FB — Lab Sample ID: 500-254245-14

No Detections.

Client Sample ID: VER_EB — Lab Sample ID: 500-254245-15

No Detections.

Client Sample ID: VER_003R — Lab Sample ID: 500-254245-16

No Detections.

Client Sample ID: VER_003R_FD — Lab Sample ID: 500-254245-17

No Detections.

Client Sample ID: VER_004 — Lab Sample ID: 500-254245-18

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_008R — Lab Sample ID: 500-254245-19

No Detections.

Client Sample ID: VER_016A — Lab Sample ID: 500-254245-20

No Detections.

Client Sample ID: VER_020 — Lab Sample ID: 500-254245-21

No Detections.

Client Sample ID: VER_016A_FD — Lab Sample ID: 500-254245-22

No Detections.

Client Sample ID: VER_035&D — Lab Sample ID: 500-254245-23

No Detections.

Client Sample ID: VER_005 — Lab Sample ID: 500-254245-24

No Detections.

Client Sample ID: VER_010 — Lab Sample ID: 500-254245-25

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-254245-1	VER_022	Water	07/29/24 16:50	07/30/24 12:10
500-254245-2	VER_041	Water	07/29/24 16:40	07/30/24 12:10
500-254245-3	VER_021	Water	07/30/24 15:10	07/31/24 12:35
500-254245-4	VER_038	Water	07/30/24 14:40	07/31/24 12:35
500-254245-5	VER_038_FD	Water	07/30/24 14:55	07/31/24 12:35
500-254245-6	VER_042	Water	07/30/24 09:45	07/31/24 12:35
500-254245-7	VER_043	Water	07/30/24 10:50	07/31/24 12:35
500-254245-8	VER_043_FD	Water	07/30/24 11:00	07/31/24 12:35
500-254245-9	VER_070&D	Water	07/30/24 09:00	07/31/24 12:35
500-254245-10	VER_070#S	Water	07/30/24 08:10	07/31/24 12:35
500-254245-11	VER_071#S	Water	07/30/24 12:28	07/31/24 12:35
500-254245-14	VER_FB	Water	07/30/24 07:00	07/31/24 12:35
500-254245-15	VER_EB	Water	07/30/24 07:00	07/31/24 12:35
500-254245-16	VER_003R	Water	07/31/24 14:25	08/01/24 12:30
500-254245-17	VER_003R_FD	Water	07/31/24 14:25	08/01/24 12:30
500-254245-18	VER_004	Water	07/31/24 11:00	08/01/24 12:30
500-254245-19	VER_008R	Water	07/31/24 12:50	08/01/24 12:30
500-254245-20	VER_016A	Water	07/31/24 09:05	08/01/24 12:30
500-254245-21	VER_020	Water	07/31/24 10:00	08/01/24 12:30
500-254245-22	VER_016A_FD	Water	07/31/24 09:05	08/01/24 12:30
500-254245-23	VER_035&D	Water	07/31/24 13:05	08/01/24 12:30
500-254245-24	VER_005	Water	08/01/24 08:15	08/01/24 12:30
500-254245-25	VER_010	Water	08/01/24 08:00	08/01/24 12:30

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_022

Date Collected: 07/29/24 16:50
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.336		0.101	0.105	1.00	0.0813	pCi/L	08/06/24 16:49	08/29/24 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.500		0.317	0.320	1.00	0.460	pCi/L	08/06/24 16:52	08/15/24 10:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:43*	*1*
Y Carrier	*80.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:43*	*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	0.836		0.333	0.337	5.00	0.460	pCi/L		08/30/24 09:06	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_041

Date Collected: 07/29/24 16:40
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-2

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.262		0.107	0.109	1.00	0.107	pCi/L	08/06/24 16:49	08/29/24 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.922		0.477	0.484	1.00	0.674	pCi/L	08/06/24 16:52	08/15/24 10:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:43*	*1*
Y Carrier	*82.6*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:43*	*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	1.18		0.489	0.496	5.00	0.674	pCi/L		08/30/24 09:06	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_021

Date Collected: 07/30/24 15:10
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.125		0.0762	0.0771	1.00	0.0915	pCi/L	08/06/24 16:49	08/29/24 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.6*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.494	0.503	1.00	0.681	pCi/L	08/06/24 16:52	08/15/24 10:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.6*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:43*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:43*	*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	1.16		0.500	0.509	5.00	0.681	pCi/L		08/30/24 09:06	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_038

Date Collected: 07/30/24 14:40
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.478		0.139	0.146	1.00	0.112	pCi/L	08/06/24 16:49	08/29/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.516	0.525	1.00	0.726	pCi/L	08/06/24 16:52	08/15/24 10:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:45*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:45*	*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	1.52		0.534	0.545	5.00	0.726	pCi/L		08/30/24 09:06	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_038_FD

Date Collected: 07/30/24 14:55
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.450		0.134	0.140	1.00	0.107	pCi/L	08/06/24 16:49	08/29/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.34		0.515	0.529	1.00	0.652	pCi/L	08/06/24 16:52	08/15/24 10:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:46*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/06/24 16:52*	*08/15/24 10:46*	*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	1.79		0.532	0.547	5.00	0.652	pCi/L		08/30/24 09:06	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_042

Date Collected: 07/30/24 09:45
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.333		0.102	0.106	1.00	0.0819	pCi/L	08/06/24 16:56	08/29/24 15:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.231	U	0.370	0.370	1.00	0.630	pCi/L	08/06/24 17:02	08/14/24 12:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*1*
Y Carrier	*81.1*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*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	0.564	U	0.384	0.385	5.00	0.630	pCi/L		08/30/24 09:06	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_043

Date Collected: 07/30/24 10:50
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.212		0.0829	0.0851	1.00	0.0741	pCi/L	08/06/24 16:49	08/29/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.478		0.298	0.301	1.00	0.422	pCi/L	08/06/24 16:52	08/15/24 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:26*	*1*
Y Carrier	*82.6*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:26*	*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	0.690		0.309	0.313	5.00	0.422	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_043_FD

Date Collected: 07/30/24 11:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.292**		0.0942	0.0978	1.00	0.0753	pCi/L	08/06/24 16:49	08/29/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.426	U	0.359	0.361	1.00	0.563	pCi/L	08/06/24 16:52	08/15/24 11:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:27*	*1*
Y Carrier	*82.6*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:27*	*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	**0.718**		0.371	0.374	5.00	0.563	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_070&D

Date Collected: 07/30/24 09:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.423		0.131	0.137	1.00	0.111	pCi/L	08/06/24 16:49	08/29/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.02		0.453	0.463	1.00	0.581	pCi/L	08/06/24 16:52	08/15/24 11:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:27*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:27*	*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	1.45		0.472	0.483	5.00	0.581	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_070#S

Date Collected: 07/30/24 08:10
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-10

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0243	U	0.0611	0.0612	1.00	0.112	pCi/L	08/06/24 16:49	08/29/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.314	U	0.322	0.324	1.00	0.520	pCi/L	08/06/24 16:52	08/15/24 11:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:28*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:28*	*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	0.338	U	0.328	0.330	5.00	0.520	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_071#S

Date Collected: 07/30/24 12:28
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-11

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.106**		0.0707	0.0714	1.00	0.0937	pCi/L	08/06/24 16:49	08/29/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.286	U	0.316	0.317	1.00	0.515	pCi/L	08/06/24 16:52	08/15/24 11:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:29*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:29*	*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	0.393	U	0.324	0.325	5.00	0.515	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_FB

Date Collected: 07/30/24 07:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-14

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0567	U	0.0557	0.0559	1.00	0.0857	pCi/L	08/06/24 16:49	08/29/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:38*	*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	0.0674	U	0.299	0.299	1.00	0.539	pCi/L	08/06/24 16:52	08/15/24 11:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:29*	*1*
Y Carrier	*83.0*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:29*	*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	0.124	U	0.304	0.304	5.00	0.539	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_EB

Date Collected: 07/30/24 07:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-15

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0328	U	0.0606	0.0606	1.00	0.107	pCi/L	08/06/24 16:49	08/29/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:38*	*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	0.406	U	0.335	0.337	1.00	0.521	pCi/L	08/06/24 16:52	08/15/24 11:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:31*	*1*
Y Carrier	*83.7*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:31*	*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	0.438	U	0.340	0.342	5.00	0.521	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_003R

Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-16

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.325		0.130	0.134	1.00	0.148	pCi/L	08/06/24 16:49	08/29/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.1*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:38*	*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	1.56		0.520	0.539	1.00	0.600	pCi/L	08/06/24 16:52	08/15/24 11:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.1*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:31*	*1*
Y Carrier	*83.7*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:31*	*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	1.89		0.536	0.555	5.00	0.600	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_003R_FD

Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-17

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.554		0.152	0.160	1.00	0.119	pCi/L	08/06/24 16:49	08/29/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:38*	*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	0.697		0.426	0.431	1.00	0.612	pCi/L	08/06/24 16:52	08/15/24 11:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:31*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:31*	*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	1.25		0.452	0.460	5.00	0.612	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_004

Date Collected: 07/31/24 11:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-18

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.414		0.116	0.122	1.00	0.0938	pCi/L	08/06/24 16:49	08/29/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:38*	*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	0.614		0.356	0.360	1.00	0.513	pCi/L	08/06/24 16:52	08/15/24 11:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*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		0.374	0.380	5.00	0.513	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_008R

Date Collected: 07/31/24 12:50
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-19

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.131		0.0763	0.0773	1.00	0.0949	pCi/L	08/06/24 16:49	08/29/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.830		0.431	0.438	1.00	0.606	pCi/L	08/06/24 16:52	08/15/24 11:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*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	0.961		0.438	0.445	5.00	0.606	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_016A

Date Collected: 07/31/24 09:05
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-20

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.774		0.183	0.196	1.00	0.128	pCi/L	08/06/24 16:49	08/29/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.18		0.550	0.560	1.00	0.733	pCi/L	08/06/24 16:52	08/15/24 11:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*1*
Y Carrier	*81.1*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*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	1.95		0.580	0.593	5.00	0.733	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_020

Date Collected: 07/31/24 10:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-21

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0801	U	0.0747	0.0750	1.00	0.115	pCi/L	08/06/24 16:49	08/29/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.841**		0.362	0.370	1.00	0.469	pCi/L	08/06/24 16:52	08/15/24 11:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*1*
Y Carrier	*89.0*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*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	**0.921**		0.370	0.378	5.00	0.469	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_016A_FD

Date Collected: 07/31/24 09:05
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-22

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.668		0.140	0.153	1.00	0.0891	pCi/L	08/06/24 16:49	08/29/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.585		0.339	0.343	1.00	0.486	pCi/L	08/06/24 16:52	08/15/24 11:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*1*
Y Carrier	*88.6*		*30 - 110*	*08/06/24 16:52*	*08/15/24 11:32*	*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	1.25		0.367	0.376	5.00	0.486	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_035&D

Date Collected: 07/31/24 13:05
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-23

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.134		0.0700	0.0710	1.00	0.0812	pCi/L	08/06/24 16:56	08/29/24 15:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:56*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.764		0.409	0.415	1.00	0.568	pCi/L	08/06/24 17:02	08/14/24 12:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*1*
Y Carrier	*80.4*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*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	0.898		0.415	0.421	5.00	0.568	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_005

Date Collected: 08/01/24 08:15
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-24

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.114**		0.0639	0.0648	1.00	0.0770	pCi/L	08/06/24 16:56	08/29/24 15:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.6*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:56*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.304	U	0.375	0.376	1.00	0.621	pCi/L	08/06/24 17:02	08/14/24 12:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.6*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*1*
Y Carrier	*76.3*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*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	0.418	U	0.380	0.382	5.00	0.621	pCi/L		08/30/24 14:39	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_010

Date Collected: 08/01/24 08:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-25

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.131**		0.0649	0.0660	1.00	0.0685	pCi/L	08/06/24 16:56	08/29/24 15:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:56*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0711	U	0.284	0.284	1.00	0.519	pCi/L	08/06/24 17:02	08/14/24 12:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*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	0.202	U	0.291	0.292	5.00	0.519	pCi/L		08/30/24 14:39	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Qualifiers

Rad

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Rad

Prep Batch: 674043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-1	VER_022	Total/NA	Water	PrecSep-21	
500-254245-2	VER_041	Total/NA	Water	PrecSep-21	
500-254245-3	VER_021	Total/NA	Water	PrecSep-21	
500-254245-4	VER_038	Total/NA	Water	PrecSep-21	
500-254245-5	VER_038_FD	Total/NA	Water	PrecSep-21	
500-254245-7	VER_043	Total/NA	Water	PrecSep-21	
500-254245-8	VER_043_FD	Total/NA	Water	PrecSep-21	
500-254245-9	VER_070&D	Total/NA	Water	PrecSep-21	
500-254245-10	VER_070#S	Total/NA	Water	PrecSep-21	
500-254245-11	VER_071#S	Total/NA	Water	PrecSep-21	
500-254245-14	VER_FB	Total/NA	Water	PrecSep-21	
500-254245-15	VER_EB	Total/NA	Water	PrecSep-21	
500-254245-16	VER_003R	Total/NA	Water	PrecSep-21	
500-254245-17	VER_003R_FD	Total/NA	Water	PrecSep-21	
500-254245-18	VER_004	Total/NA	Water	PrecSep-21	
500-254245-19	VER_008R	Total/NA	Water	PrecSep-21	
500-254245-20	VER_016A	Total/NA	Water	PrecSep-21	
500-254245-21	VER_020	Total/NA	Water	PrecSep-21	
500-254245-22	VER_016A_FD	Total/NA	Water	PrecSep-21	
MB 160-674043/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674043/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-254245-3 MS	VER_021	Total/NA	Water	PrecSep-21	
500-254245-3 MSD	VER_021	Total/NA	Water	PrecSep-21	

Prep Batch: 674047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-1	VER_022	Total/NA	Water	PrecSep_0	
500-254245-2	VER_041	Total/NA	Water	PrecSep_0	
500-254245-3	VER_021	Total/NA	Water	PrecSep_0	
500-254245-4	VER_038	Total/NA	Water	PrecSep_0	
500-254245-5	VER_038_FD	Total/NA	Water	PrecSep_0	
500-254245-7	VER_043	Total/NA	Water	PrecSep_0	
500-254245-8	VER_043_FD	Total/NA	Water	PrecSep_0	
500-254245-9	VER_070&D	Total/NA	Water	PrecSep_0	
500-254245-10	VER_070#S	Total/NA	Water	PrecSep_0	
500-254245-11	VER_071#S	Total/NA	Water	PrecSep_0	
500-254245-14	VER_FB	Total/NA	Water	PrecSep_0	
500-254245-15	VER_EB	Total/NA	Water	PrecSep_0	
500-254245-16	VER_003R	Total/NA	Water	PrecSep_0	
500-254245-17	VER_003R_FD	Total/NA	Water	PrecSep_0	
500-254245-18	VER_004	Total/NA	Water	PrecSep_0	
500-254245-19	VER_008R	Total/NA	Water	PrecSep_0	
500-254245-20	VER_016A	Total/NA	Water	PrecSep_0	
500-254245-21	VER_020	Total/NA	Water	PrecSep_0	
500-254245-22	VER_016A_FD	Total/NA	Water	PrecSep_0	
MB 160-674047/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674047/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-254245-3 MS	VER_021	Total/NA	Water	PrecSep_0	
500-254245-3 MSD	VER_021	Total/NA	Water	PrecSep_0	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Rad

Prep Batch: 674048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-6	VER_042	Total/NA	Water	PrecSep-21	
500-254245-23	VER_035&D	Total/NA	Water	PrecSep-21	
500-254245-24	VER_005	Total/NA	Water	PrecSep-21	
500-254245-25	VER_010	Total/NA	Water	PrecSep-21	
MB 160-674048/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674048/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-254245-6 MS	VER_042	Total/NA	Water	PrecSep-21	
500-254245-6 MSD	VER_042	Total/NA	Water	PrecSep-21	

Prep Batch: 674049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254245-6	VER_042	Total/NA	Water	PrecSep_0	
500-254245-23	VER_035&D	Total/NA	Water	PrecSep_0	
500-254245-24	VER_005	Total/NA	Water	PrecSep_0	
500-254245-25	VER_010	Total/NA	Water	PrecSep_0	
MB 160-674049/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674049/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-254245-6 MS	VER_042	Total/NA	Water	PrecSep_0	
500-254245-6 MSD	VER_042	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-674043/1-A
Matrix: Water
Analysis Batch: 677217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674043

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06106	U	0.0536	0.0539	1.00	0.0783	pCi/L	08/06/24 16:49	08/29/24 09:32	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*08/06/24 16:49*	*08/29/24 09:32*	*1*

Lab Sample ID: LCS 160-674043/2-A
Matrix: Water
Analysis Batch: 677217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674043

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.754		1.01	1.00	0.115	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.8*		*30 - 110*

Lab Sample ID: 500-254245-3 MS
Matrix: Water
Analysis Batch: 677217

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 674043

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.125		12.8	12.62		1.32	1.00	0.124	pCi/L	98	60 - 140		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*92.1*		*30 - 110*

Lab Sample ID: 500-254245-3 MSD
Matrix: Water
Analysis Batch: 677217

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 674043

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	0.125		12.8	13.16		1.37	1.00	0.121	pCi/L	102	60 - 140	0.20	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*91.6*		*30 - 110*

Lab Sample ID: MB 160-674048/1-A
Matrix: Water
Analysis Batch: 677217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674048

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01755	U	0.0410	0.0411	1.00	0.0768	pCi/L	08/06/24 16:56	08/29/24 15:54	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

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

Lab Sample ID: MB 160-674048/1-A
Matrix: Water
Analysis Batch: 677217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674048

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.4763		0.302	0.305	1.00	0.443	pCi/L	08/06/24 16:52	08/15/24 10:43	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110	08/06/24 16:56	08/29/24 15:54	1

Lab Sample ID: LCS 160-674048/2-A
Matrix: Water
Analysis Batch: 677217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674048

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.436		0.982	1.00	0.0766	pCi/L	99	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.6		30 - 110

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 677217

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 674048

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.333		9.56	8.769		0.934	1.00	0.124	pCi/L	88	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	86.2		30 - 110

Lab Sample ID: 500-254245-6 MSD
Matrix: Water
Analysis Batch: 677217

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 674048

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	0.333		9.53	8.731		0.935	1.00	0.109	pCi/L	88	60 - 140	0.02	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	80.3		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-674047/1-A
Matrix: Water
Analysis Batch: 675248

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674047

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4763		0.302	0.305	1.00	0.443	pCi/L	08/06/24 16:52	08/15/24 10:43	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110	08/06/24 16:52	08/15/24 10:43	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-674047/1-A
Matrix: Water
Analysis Batch: 675248

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674047

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	83.4		30 - 110	08/06/24 16:52	08/15/24 10:43	1

Lab Sample ID: LCS 160-674047/2-A
Matrix: Water
Analysis Batch: 675248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674047

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.67	10.07		1.30	1.00	0.453	pCi/L	116	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	82.2		30 - 110

Lab Sample ID: 500-254245-3 MS
Matrix: Water
Analysis Batch: 675122

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 674047

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	1.04		11.6	13.77		1.79	1.00	0.640	pCi/L	110	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	92.1		30 - 110
Y Carrier	82.2		30 - 110

Lab Sample ID: 500-254245-3 MSD
Matrix: Water
Analysis Batch: 675122

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 674047

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	1.04		11.5	14.95		1.91	1.00	0.628	pCi/L	120	60 - 140	0.32	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	91.6		30 - 110
Y Carrier	82.6		30 - 110

Lab Sample ID: MB 160-674049/1-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674049

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5494		0.365	0.369	1.00	0.543	pCi/L	08/06/24 17:02	08/14/24 12:57	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-674049/1-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674049

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110	08/06/24 17:02	08/14/24 12:57	1
Y Carrier	84.1		30 - 110	08/06/24 17:02	08/14/24 12:57	1

Lab Sample ID: LCS 160-674049/2-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674049

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.68	10.40		1.43	1.00	0.649	pCi/L	120	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.6		30 - 110
Y Carrier	83.0		30 - 110

Lab Sample ID: 500-254245-6 MS
Matrix: Water
Analysis Batch: 674941

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 674049

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.231	U	8.66	13.40	F1	1.75	1.00	0.588	pCi/L	152	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	86.2		30 - 110
Y Carrier	80.7		30 - 110

Lab Sample ID: 500-254245-6 MSD
Matrix: Water
Analysis Batch: 674941

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 674049

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	0.231	U	8.63	10.36		1.53	1.00	0.779	pCi/L	117	60 - 140	0.92	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	80.3		30 - 110
Y Carrier	77.0		30 - 110

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_022
Date Collected: 07/29/24 16:50
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:34
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675248	SWS	EET SL	08/15/24 10:43
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 09:06

Client Sample ID: VER_041
Date Collected: 07/29/24 16:40
Date Received: 07/30/24 12:10

Lab Sample ID: 500-254245-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:34
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675248	SWS	EET SL	08/15/24 10:43
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 09:06

Client Sample ID: VER_021
Date Collected: 07/30/24 15:10
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:34
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675248	SWS	EET SL	08/15/24 10:43
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 09:06

Client Sample ID: VER_038
Date Collected: 07/30/24 14:40
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:36
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 10:45
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 09:06

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_038_FD
Date Collected: 07/30/24 14:55
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:36
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 10:46
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 09:06

Client Sample ID: VER_042
Date Collected: 07/30/24 09:45
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:54
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:58
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 09:06

Client Sample ID: VER_043
Date Collected: 07/30/24 10:50
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:36
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675248	SWS	EET SL	08/15/24 11:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_043_FD
Date Collected: 07/30/24 11:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:36
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:27
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_070&D
Date Collected: 07/30/24 09:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:36
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:27
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_070#S
Date Collected: 07/30/24 08:10
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:36
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:28
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_071#S
Date Collected: 07/30/24 12:28
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 09:36
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:29
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_FB
Date Collected: 07/30/24 07:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:38
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:29
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_EB
Date Collected: 07/30/24 07:00
Date Received: 07/31/24 12:35

Lab Sample ID: 500-254245-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:38
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_003R
Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:38
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_003R_FD
Date Collected: 07/31/24 14:25
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:38
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_004
Date Collected: 07/31/24 11:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:38
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_008R
Date Collected: 07/31/24 12:50
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:39
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_016A
Date Collected: 07/31/24 09:05
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:39
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_020
Date Collected: 07/31/24 10:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:39
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_016A_FD
Date Collected: 07/31/24 09:05
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674043	MLT	EET SL	08/06/24 16:49
Total/NA	Analysis	903.0		1	677336	FLC	EET SL	08/29/24 09:39
Total/NA	Prep	PrecSep_0			674047	MLT	EET SL	08/06/24 16:52
Total/NA	Analysis	904.0		1	675122	SCB	EET SL	08/15/24 11:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Client Sample ID: VER_035&D

Date Collected: 07/31/24 13:05
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:56
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:58
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_005

Date Collected: 08/01/24 08:15
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:56
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:58
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Client Sample ID: VER_010

Date Collected: 08/01/24 08:00
Date Received: 08/01/24 12:30

Lab Sample ID: 500-254245-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:56
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:58
Total/NA	Analysis	Ra226_Ra228 Pos		1	677427	FLC	EET SL	08/30/24 14:39

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228
Ra226_Ra228 Pos		Water	Radium 226 and 228

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-254245

Page 1 of 3

Section A Required Client Information

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To.	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax:
Requested Due Date/TAT	10 day

Section B Required Project Information

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information

Attention	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

500-254245 COC

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 /)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	~~VER_002~~																	X				X			DTW Only
2	~~VER_009R~~																X	X				X			
3	~~VER_003R_FD~~																X	X				X			
4	~~VER_004~~																X	X				X			
5	~~VER_005~~																X	X				X			
6	~~VER_007R~~																	X					X		DTW Only
7	~~VER_008R~~																X	X				X			
8	~~VER_010~~																X		X	X	X				
9	~~VER_010_FD~~																X		X	X	X				
10	~~VER_101&~~																X	X				X			
11	~~VER_103&~~																X	X				X			
12	~~VER_016A~~																X		X	X	X				
13	~~VER_016IB~~																X		X	X	X				
14	~~VER_017~~																	X					X		DTW Only
15	~~VER_020~~																X	X				X			
16	~~VER_021~~																X	X				X			MS/MSD

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Filewicz	7/30/24	0700	[signature]	7/30/24	1210	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER	Lorne Filewicz		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER	[signature]	DATE Signed (MM/DD/YY) 7-30-24				

Rec'd by: [signature] 7/30 JH 7/30/24 1000
Relinquished by: [signature] 7/30/24 1210

3.9 → 3.8

580-254245

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.

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone.	(217) 753-8911 Fax:
Requested Due Date/TAT.	10 day

Section B Required Project Information.

Report To:	Brian Voelker
Copy To.	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information.

Attention	Jason Stuckey
Company Name:	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
1	* VER_022			7/29/24	1650												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~~																	~~X~~					~~X~~		DTW Only
6	~~VER_037~~																	~~X~~					~~X~~		DTW Only
7	~~VER_038~~																~~X~~	~~X~~				~~X~~			
8	~~VER_038_FD~~																~~X~~	~~X~~				~~X~~			
9	* VER_041			7/29/24	1640												X	X				X			
10	~~VER_042~~																~~X~~	~~X~~				~~X~~			MS/MSD
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~~			

1

2

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Filewicz	7-30-24	0700	[signature]	7/30/24	1210	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Filewicz

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-30-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Rec'd by: J. Hoffman 7/30/24 1000
relinquished by: J Hoffman 7/30/24 1260

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 3 of 3

Section A Required Client Information

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To.	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT	10 day

Section B Required Project Information.

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No	
Project Name:	
Project Number:	

Section C Invoice Information

Attention:	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
1	~~VER_ND3~~																	X				X			
2	~~VER_NED1~~																		X			X			
3	~~VER_OED1~~																	X				X			
4	~~VER_SG01~~																	X					X		DTW Only
5	~~VER_FB~~																X		X	X	X				
6	~~VER_EB~~																X		X	X	X				
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Filewicz	7/30/24	0700	[illegible]	7/30/24	1210	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Filewicz

SIGNATURE of SAMPLER: Lorne Filewicz DATE Signed (MM/DD/YY): 7-30-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Rec'd by: [illegible] 7/30/24 1000
Relinquished by: [illegible] 7/30/24 1210

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-254245 COC

Page 1 of 3

Section A Required Client Information:	Section B Required Project Information.	Section C Invoice Information.
Company: Vistra Corp-Vermilion	Report To: Brian Voelker	Attention: Jason Stuckey
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:	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
1	VER_002																	X					X		DTW Only
2	VER_003R																X	X				X			
3	VER_003R_FD																X	X				X			
4	VER_004																X	X				X			
5	VER_005																X	X				X			
6	VER_007R																	X					X		DTW Only
7	VER_008R																X	X				X			
8	VER_010																X		X	X	X				
9	VER_010_FD																X		X	X	X				
10	VER_101A																X	X				X			
11	VER_103A																X	X				X			
12	VER_016A																X		X	X	X				
13	VER_016IB																X		X	X	X				
14	VER_017																	X					X		DTW Only
15	VER_020																X	X				X			
16	VER_021			7-30 24	1510												X	X				X			MS/MSD

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0		7-31-24	0700		7/31/24	1235	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 7-30-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Rec'd by: J Zellner 7/31/24 1015
Relinquished by: J Zellner 7/31/24 1235

5.4→5.3, 4.8→4.7
4.9→4.8, 3.3→3.2

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 2 of 3

Section A Required Client Information.

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911
Fax	
Requested Due Date/TAT	10 day

Section B Required Project Information

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna tickner@vistracorp com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information

Attention.	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE. IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
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																	X					X		DTW Only
6	VER_037																	X					X		DTW Only
7	VER_038			7-30-24	1440												X	X				X			
8	VER_038_FD			7-30-24	1455												X	X				X			
9	VER_041			[illegible]	[illegible]												X	X				X			
10	VER_042			7/30/24	0946												X	X				X			MS/MSD
11	VER_043			7-30-24	1050												X	X				X			
12	VER_043_FD			7-30-24	1100												X	X				X			
13	VER_070&D			7-30-24	0900												X		X			X			
14	VER_070#S			7-30-24	0810												X		X			X			
15	VER_071&D																X		X			X			
16	VER_071#S			7-30-24	1228												X		X			X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	[signature]	7/30/24	0700	[signature]	7/31/24	1235	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lorne Fulcher
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-31-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

JH Rel Rec'd by: [signature] 7/31/24 1015
Rel: [signature] 7/31/24 1235

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 3 of 3

Section A Required Client Information		Section B Required Project Information.		Section C Invoice Information	
Company:	Vistra Corp-Vermilion	Report To:	Brian Voelker	Attention	Jason Stuckey
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:		Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I D.
12 1	~~VER_ND3~~			7-30-24	1320													X				X			
2	~~VER_NED1~~																		X			X			
13 3	~~VER_OED1~~			7-30-24	1220													X				X			
4	~~VER_SG01~~																	X					X		DTW Only
14 5	VER_FB			7.30-24	0700												X		X	X	X				
15 6	VER_EB			7.30-24	0700												X		X	X	X				
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Fiewicz	7-31-24	0700	[signature]	7/31/24	1235	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Fiewicz

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 73124

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Recd by: [signature] 7/31/24 1015
Rel: [signature] 7/31/24 1235

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-254245

500-254245 COC

Page 1 of 3

Section A Required Client Information

Company	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax
Requested Due Date/TAT	10 day

Section B Required Project Information

Report To:	Brian Voelker
Copy To.	Sam Davies samantha davies@vistracorp com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number	

Section C Invoice Information.

Attention	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	~~VER_002~~																	X				X		DTW Only
2	~~VER_009R~~			7-31-24	1425												X	X				X		7-31-24 - 1425
3	VER_003R_FD			7-31-24	1425												X	X				X		
4	VER_004			7-31-24	1100												X	X				X		
5	~~VER_005~~																X	X				X		
6	~~VER_007R~~																	X					X	DTW Only
7	VER_008R			7-31-24	1250												X	X				X		
8	~~VER_010~~																X		X	X	X			
9	VER_010_FD			Moved Data To 16A													X		X	X	X			
10	~~VER_101&~~																X	X				X		
11	~~VER_103&~~																X	X				X		
12	VER_016A			7-31-24	0905												X		X	X	X			
13	~~VER_016IB~~																X		X	X	X			
14	~~VER_017~~																	X					X	DTW Only
15	VER_020			7-31-24	1000												X	X				X		
16	~~VER_021~~																X	X				X		MS/MSD

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0		8-1-24	0700		8/1/24	0700	
		8-1-24	1230		8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connie Fijewicz

SIGNATURE of SAMPLER: Connie Fijewicz DATE Signed (MM/DD/YY): 8-1-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

16 17 18 19 20 21 22

22 * 16A-FD 7-31-24 0905 (Moved From VER-010)

4.2 → 4.1, 0.3 → 0.2
3.3 → 3.2

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 2 of 3

Section A Required Client Information.	Section B Required Project Information.	Section C Invoice Information.
Company: Vistra Corp-Vermilion	Report To: Brian Voelker	Attention: Jason Stuckey
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:	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 /)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	VER_022															X		X			X			
2	VER_034															X	X				X			
3	* VER_035&D			7-31-24	1305											X		X	X	X				
4	VER_035#S															X		X	X	X				
5	VER_036																X				X			DTW Only
6	VER_037																X				X			DTW Only
7	VER_038															X	X				X			
8	VER_038_FD															X	X				X			
9	VER_041															X	X				X			
10	VER_042															X	X				X			MS/MSD
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			

23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0		8-1-24	0700				
		8-1-24	1330		8/1/24	8-1-24 1230	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Corey Filewicz
SIGNATURE of SAMPLER: Corey Filewicz
DATE Signed (MM/DD/YY): 8-1-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-254245

Page 3 of 3

Section A Required Client Information.

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax
Requested Due Date/TAT	10 day

Section B Required Project Information

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information.

Attention:	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 /)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	VER_ND3																	X				X			
2	VER_NED1																		X			X			
3	VER_OED1																	X				X			
4	VER_SG01																	X					X		DTW Only
5	VER_FB																X		X	X	X				
6	VER_EB																X		X	X	X				
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0		8-1-24	0700		8-1-24	0800	
		8-1-24	1230		8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Filewicz

SIGNATURE of SAMPLER: Lorne Filewicz

DATE Signed (MM/DD/YY): 8-1-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-254245

Page 1 of 3

Section A Required Client Information.

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT	10 day

Section B Required Project Information.

Report To.	Brian Voelker
Copy To.	Sam Davies samantha davies@vistracorp com
	Dianna Tickner - dianna tickner@vistracorp com
Purchase Order No.	
Project Name	
Project Number:	

Section C Invoice Information

Attention	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D					Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	VER_002																	X				X						DTW Only
2	VER_003R																X	X				X						
3	VER_003R_FD																X	X				X						
4	VER_004																X	X				X						
24 5	VER_005			8-1-24	0815												X	X				X						
6	VER_007R																	X					X					DTW Only
7	VER_008R																X	X				X						
25 8	VER_010			8-1-24	0800												X		X	X	X							
9	VER_010_FD																X		X	X	X							
10	VER_101&																X	X				X						
11	VER_103&																X	X				X						
12	VER_016A																X		X	X	X							
13	VER_016IB																X		X	X	X							
14	VER_017																	X					X					DTW Only
15	VER_020																X	X				X						
16	VER_021																X	X				X						MS/MSD

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne F. Lewis EETA	8-1-24	0900	EETA	8/1/24	1000	
	EETA	8-1-24	1330	Eurofins Lancaster	8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne F. Lewis

SIGNATURE of SAMPLER: Lorne F. Lewis

DATE Signed (MM/DD/YY): 8-1-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 2 of 3

Section A Required Client Information		Section B Required Project Information.		Section C Invoice Information.	
Company:	Vistra Corp-Vermilion	Report To:	Brian Voelker	Attention:	Jason Stuckey
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:		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D						Residual Chlorine (Y/N)	Project No./ Lab I D
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																X					X						DTW Only
6	VER_037																X					X						DTW Only
7	VER_038															X	X				X							
8	VER_038_FD															X	X				X							
9	VER_041															X	X				X							
10	VER_042															X	X				X							MS/MSD
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			8.1.24	0850		X									X		X			X							1 BOTTLE well Dry
16	VER_071#S															X		X			X							

24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Cornell Filewicz	8-1-24	0900	EET	8-1-24	1000	
	EET	8-1-24	1230		8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Cornell Filewicz

SIGNATURE of SAMPLER: Cornell Filewicz DATE Signed (MM/DD/YY): 8-1-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

500-254245

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 3 of 3

Section A Required Client Information.

Company:	Vistra Corp-Vermilion
Address	10188 E 2150 North Rd
	Danville, IL 61834
Email To	Brian.Voelker@VistraCorp.com
Phone	(217) 753-8911 Fax
Requested Due Date/TAT	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies samantha.davies@vistracorp.com
	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No	
Project Name	
Project Number:	

Section C Invoice Information

Attention	Jason Stuckey
Company Name	Vistra Corp
Address	see Section A
Quote Reference	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VER_000_RAD	VER_845_910-911	VER_845_912	VER_NPDES_912	VER_000_A	VER_000_B	VER_000_D	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	VER_ND3																	X				X			
2	VER_NED1																		X			X			
3	VER_OED1																	X				X			
4	VER_SG01																	X					X		DTW Only
5	VER_FB																X		X	X	X				
6	VER_EB																X		X	X	X				
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-24Q3 Rev 0	Lorne Filewicz	8-1-24	0900	GETH	8-1-24	1000	
	GETH	8-1-24	1230	Lorne Filewicz	8/1/24	1230	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lorne Filewicz

SIGNATURE of SAMPLER: Lorne Filewicz DATE Signed (MM/DD/YY): 8.1.24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Nelson, Dirk	Carrier Tracking No(s):	COC No: 500-191070.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Dirk.Nelson@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-254245-1
Address: 13715 Rider Trail North,	Due Date Requested: 8/28/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: VER-24Q3	Project #: 50022750			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: -

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 BL	904.0/PrecSep_0 BL	Ra226_228GFPC_P/ BL	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
VER_022 (500-254245-1)	7/29/24	16:50 Central		Water			X	X	X	2	
VER_041 (500-254245-2)	7/29/24	16:40 Central		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: [signature]	Date/Time: 07/30/24 1530	Company: EETA	Received by: Richard Thornley
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time: JUL 31 2024 0900	Company: EMSL
Date/Time:	Company
Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Nelson, Dirk	Carrier Tracking No(s):	COC No: 500-191135.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Dirk.Nelson@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-254245-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 8/12/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: VER-24Q3	Project #: 50022750			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 BL	904.0/PrecSep_0 BL	Ra226_228GFPC_P/ BL	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
VER_021 (500-254245-3)	7/30/24	15:10 Central		Water			X	X	X	2	
VER_021 (500-254245-3MS)	7/30/24	15:10 Central	MS	Water			X	X		2	
VER_021 (500-254245-3MSD)	7/30/24	15:10 Central	MSD	Water			X	X		2	
VER_038 (500-254245-4)	7/30/24	14:40 Central		Water			X	X	X	2	
VER_038_FD (500-254245-5)	7/30/24	14:55 Central		Water			X	X	X	2	
VER_042 (500-254245-6)	7/30/24	09:45 Central		Water			X	X	X	2	
VER_042 (500-254245-6MS)	7/30/24	09:45 Central	MS	Water			X	X		2	
VER_042 (500-254245-6MSD)	7/30/24	09:45 Central	MSD	Water			X	X		2	
VER_043 (500-254245-7)	7/30/24	10:50 Central		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
07/31/24 1530				M. Pinette	AUG 01 2024 0840	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Nelson, Dirk	Carrier Tracking No(s):	COC No: 500-191135.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Dirk.Nelson@et.eurofinsus.com	State of Origin: Illinois	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-254245-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 8/12/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: VER-24Q3	Project #: 50022750			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 BL	904.0/PrecSep_0 BL	Ra226_228GFPC_P/ BL	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
VER_043_FD (500-254245-8)	7/30/24	11:00 Central		Water			X	X	X	2	
VER_070&D (500-254245-9)	7/30/24	09:00 Central		Water			X	X	X	2	
VER_070#S (500-254245-10)	7/30/24	08:10 Central		Water			X	X	X	2	
VER_071#S (500-254245-11)	7/30/24	12:28 Central		Water			X	X	X	2	
VER_FB (500-254245-14)	7/30/24	07:00 Central		Water			X	X	X	2	
VER_EB (500-254245-15)	7/30/24	07:00 Central		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	07131/24 1530	EETA			
2	Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: AUG 01 20240840	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

08/30/24

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Nelson, Dirk	Carrier Tracking No(s):	COC No: 500-191185.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Dirk.Nelson@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-254245-2
Address: 13715 Rider Trail North, .	Due Date Requested: 8/12/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: VER-24Q3	Project #: 50022750			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 BL	904.0/PrecSep_0 BL	Ra226_228GFPC_P/ BL	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
VER_003R (500-254245-16)	7/31/24	14:25 Central		Water			X	X	X	2	
VER_003R_FD (500-254245-17)	7/31/24	14:25 Central		Water			X	X	X	2	
VER_004 (500-254245-18)	7/31/24	11:00 Central		Water			X	X	X	2	
VER_008R (500-254245-19)	7/31/24	12:50 Central		Water			X	X	X	2	
VER_016A (500-254245-20)	7/31/24	09:05 Central		Water			X	X	X	2	
VER_020 (500-254245-21)	7/31/24	10:00 Central		Water			X	X	X	2	
VER_016A_FD (500-254245-22)	7/31/24	09:05 Central		Water			X	X	X	2	
VER_035&D (500-254245-23)	7/31/24	13:05 Central		Water			X	X	X	2	
VER_005 (500-254245-24)	7/31/24	08:15 Central		Water			X	X	X	2	

Analysis Requested

Preservation Codes:
-
Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	[signature]	8/1/24 1400				
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
				M. Pinette	AUG 0 2 2024 1100	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Nelson, Dirk	Carrier Tracking No(s):	COC No: 500-191185.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Dirk.Nelson@et.eurofinsus.com	State of Origin: Illinois	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-254245-2
Address: 13715 Rider Trail North,	Due Date Requested: 8/12/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: VER-24Q3	Project #: 50022750			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 BL	904.0/PrecSep_0 BL	Ra226_228GFPC_P/ BL	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
VER_010 (500-254245-25)	7/31/24	08:00 Central		Water			X	X	X	2	

Preservation Codes:
-
Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/1/24 1400				
2	Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: AUG 0 2 2024 1100	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-254245-2
SDG Number: VER_000_RAD

Login Number: 254245
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8,5.3,4.7,4.8,3.2,4.1,0.2,3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-254245-2
SDG Number: VER_000_RAD

Login Number: 254245
List Number: 2
Creator: Thornley, Richard W

List Source: Eurofins St. Louis
List Creation: 07/31/24 03:04 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.	N/A	
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: 500-254245-2
SDG Number: VER_000_RAD

Login Number: 254245
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 08/01/24 01:31 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: 500-254245-2
SDG Number: VER_000_RAD

Login Number: 254245
List Number: 4
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 08/02/24 12:58 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
SDG: VER_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
500-254245-1	VER_022	93.4
500-254245-2	VER_041	93.9
500-254245-3	VER_021	96.6
500-254245-3 MS	VER_021	92.1
500-254245-3 MSD	VER_021	91.6
500-254245-4	VER_038	94.8
500-254245-5	VER_038_FD	94.3
500-254245-6	VER_042	89.9
500-254245-6 MS	VER_042	86.2
500-254245-6 MSD	VER_042	80.3
500-254245-7	VER_043	92.4
500-254245-8	VER_043_FD	93.4
500-254245-9	VER_070&D	99.0
500-254245-10	VER_070#S	90.4
500-254245-11	VER_071#S	84.5
500-254245-14	VER_FB	96.1
500-254245-15	VER_EB	93.9
500-254245-16	VER_003R	97.1
500-254245-17	VER_003R_FD	94.1
500-254245-18	VER_004	91.4
500-254245-19	VER_008R	82.6
500-254245-20	VER_016A	85.5
500-254245-21	VER_020	91.6
500-254245-22	VER_016A_FD	92.4
500-254245-23	VER_035&D	92.4
500-254245-24	VER_005	96.6
500-254245-25	VER_010	95.6
LCS 160-674043/2-A	Lab Control Sample	96.8
LCS 160-674048/2-A	Lab Control Sample	95.6
MB 160-674043/1-A	Method Blank	94.3
MB 160-674048/1-A	Method Blank	98.5

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
500-254245-1	VER_022	93.4	80.4
500-254245-2	VER_041	93.9	82.6
500-254245-3	VER_021	96.6	81.5
500-254245-3 MS	VER_021	92.1	82.2
500-254245-3 MSD	VER_021	91.6	82.6
500-254245-4	VER_038	94.8	81.5
500-254245-5	VER_038_FD	94.3	81.5
500-254245-6	VER_042	89.9	81.1
500-254245-6 MS	VER_042	86.2	80.7

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q3

Job ID: 500-254245-2
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)								
500-254245-6 MSD	VER_042	80.3	77.0								
500-254245-7	VER_043	92.4	82.6								
500-254245-8	VER_043_FD	93.4	82.6								
500-254245-9	VER_070&D	99.0	81.5								
500-254245-10	VER_070#S	90.4	83.4								
500-254245-11	VER_071#S	84.5	83.4								
500-254245-14	VER_FB	96.1	83.0								
500-254245-15	VER_EB	93.9	83.7								
500-254245-16	VER_003R	97.1	83.7								
500-254245-17	VER_003R_FD	94.1	85.2								
500-254245-18	VER_004	91.4	85.2								
500-254245-19	VER_008R	82.6	84.5								
500-254245-20	VER_016A	85.5	81.1								
500-254245-21	VER_020	91.6	89.0								
500-254245-22	VER_016A_FD	92.4	88.6								
500-254245-23	VER_035&D	92.4	80.4								
500-254245-24	VER_005	96.6	76.3								
500-254245-25	VER_010	95.6	83.4								
LCS 160-674047/2-A	Lab Control Sample	96.8	82.2								
LCS 160-674049/2-A	Lab Control Sample	95.6	83.0								
MB 160-674047/1-A	Method Blank	94.3	83.4								
MB 160-674049/1-A	Method Blank	98.5	84.1								

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 3, 2024

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.00100
02	LGU	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600
02	LGU	E006	Barium, total	mg/L	--	--	--	--	NS[2]	0.520
02	LGU	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.001
02	LGU	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45
02	LGU	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.001
02	LGU	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	82.0
02	LGU	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.0200
02	LGU	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.00400
02	LGU	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	1.14
02	LGU	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.00600
02	LGU	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.0300
02	LGU	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.0002
02	LGU	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.0200
02	LGU	E006	pH (field)	SU	--	--	--	--	NS[2]	6.8/7.8
02	LGU	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	1.90
02	LGU	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.001
02	LGU	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	227
02	LGU	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002
02	LGU	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	746
03R	LGU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.003	0.00100
03R	LGU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.00508	0.0600
03R	LGU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.291	0.520
03R	LGU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.001
03R	LGU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	26.9	2.45
03R	LGU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	14	79	CI around median	0.0005	0.001
03R	LGU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	14	2	CB around linear reg	21	82.0

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	14	86	CB around T-S line	0.0015	0.0200
03R	LGU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	14	86	CI around median	0.001	0.00400
03R	LGU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	14	7	CI around mean	0.443	1.14
03R	LGU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	14	57	CI around median	0.001	0.00600
03R	LGU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	14	86	CB around T-S line	0.003	0.0300
03R	LGU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0002	0.0002
03R	LGU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	0.328	0.0200
03R	LGU	E006	pH (field)	SU	03/30/21 - 07/31/24	14	0	CI around mean	7.2/7.4	6.8/7.8
03R	LGU	E006	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 07/31/24	12	0	CI around mean	1.07	1.90
03R	LGU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0025	0.001
03R	LGU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	491	227
03R	LGU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.002	0.002
03R	LGU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	1,100	746
04	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.003	0.00100
04	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	14	7	CI around geomean	0.0055	0.0600
04	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.222	0.520
04	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.001
04	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	8.46	2.45
04	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.001
04	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	10.2	82.0
04	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.005	0.0200
04	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	14	93	Most recent sample	0.001	0.00400
04	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	14	7	CI around median	0.3	1.14
04	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.00600
04	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.0463	0.0300
04	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0002	0.0002
04	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	0.0334	0.0200

ATTACHMENT C.
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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	E006	pH (field)	SU	03/30/21 - 07/31/24	14	0	CI around mean	7.4/7.6	6.8/7.8
04	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 07/31/24	12	0	CI around mean	0.735	1.90
04	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0025	0.001
04	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	34.4	227
04	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.002	0.002
04	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	367	746
05	UA	E006	Antimony, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.003	0.00100
05	UA	E006	Arsenic, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.001	0.0600
05	UA	E006	Barium, total	mg/L	03/30/21 - 08/01/24	14	0	CI around mean	0.0225	0.520
05	UA	E006	Beryllium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.001	0.001
05	UA	E006	Boron, total	mg/L	03/30/21 - 08/01/24	14	0	CI around mean	18	2.45
05	UA	E006	Cadmium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.0005	0.001
05	UA	E006	Chloride, total	mg/L	03/30/21 - 08/01/24	14	2	CI around mean	7.44	82.0
05	UA	E006	Chromium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.005	0.0200
05	UA	E006	Cobalt, total	mg/L	03/30/21 - 08/01/24	14	86	CI around median	0.001	0.00400
05	UA	E006	Fluoride, total	mg/L	03/30/21 - 08/01/24	14	7	CB around linear reg	0.568	1.14
05	UA	E006	Lead, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.0005	0.00600
05	UA	E006	Lithium, total	mg/L	03/30/21 - 08/01/24	14	0	CI around mean	0.0866	0.0300
05	UA	E006	Mercury, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.0002	0.0002
05	UA	E006	Molybdenum, total	mg/L	03/30/21 - 08/01/24	14	0	CB around linear reg	0.0402	0.0200
05	UA	E006	pH (field)	SU	03/30/21 - 08/01/24	14	0	CB around linear reg	7.4/7.8	6.8/7.8
05	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 08/01/24	12	0	CI around geomean	0.105	1.90
05	UA	E006	Selenium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.0025	0.001
05	UA	E006	Sulfate, total	mg/L	03/30/21 - 08/01/24	14	0	CI around median	224	227
05	UA	E006	Thallium, total	mg/L	03/30/21 - 08/01/24	14	100	All ND - Last	0.002	0.002
05	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 08/01/24	14	0	CI around mean	534	746
07R	UA	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.00100

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600
07R	UA	E006	Barium, total	mg/L	--	--	--	--	NS[2]	0.520
07R	UA	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.001
07R	UA	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45
07R	UA	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.001
07R	UA	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	82.0
07R	UA	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.0200
07R	UA	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.00400
07R	UA	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	1.14
07R	UA	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.00600
07R	UA	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.0300
07R	UA	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.0002
07R	UA	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.0200
07R	UA	E006	pH (field)	SU	--	--	--	--	NS[2]	6.8/7.8
07R	UA	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	1.90
07R	UA	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.001
07R	UA	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	227
07R	UA	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002
07R	UA	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	746
08R	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.003	0.00100
08R	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	0.0282	0.0600
08R	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.0556	0.520
08R	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.001
08R	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	14	0	CI around median	29.8	2.45
08R	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.001
08R	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	5.1	82.0
08R	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.005	0.0200

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.00400
08R	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	14	79	CI around median	0.1	1.14
08R	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.00600
08R	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around median	0.288	0.0300
08R	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0002	0.0002
08R	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.197	0.0200
08R	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	14	0	CI around mean	7.1/7.9	6.8/7.8
08R	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 07/31/24	12	0	CI around mean	0.443	1.90
08R	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0025	0.001
08R	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	14	0	CB around linear reg	578	227
08R	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.002	0.002
08R	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	14	0	CI around median	1,110	746
17	UA	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.00100
17	UA	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600
17	UA	E006	Barium, total	mg/L	--	--	--	--	NS[2]	0.520
17	UA	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.001
17	UA	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45
17	UA	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.001
17	UA	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	82.0
17	UA	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.0200
17	UA	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.00400
17	UA	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	1.14
17	UA	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.00600
17	UA	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.0300
17	UA	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.0002
17	UA	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.0200
17	UA	E006	pH (field)	SU	--	--	--	--	NS[2]	6.8/7.8

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	1.90
17	UA	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.001
17	UA	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	227
17	UA	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002
17	UA	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	746
20	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.003	0.00100
20	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	14	64	CI around median	0.001	0.0600
20	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.018	0.520
20	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.001	0.001
20	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	0.745	2.45
20	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.001
20	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	14	14	CI around median	4	82.0
20	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.005	0.0200
20	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	14	86	CI around median	0.001	0.00400
20	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.1	1.14
20	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0005	0.00600
20	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.0205	0.0300
20	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0002	0.0002
20	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	14	93	CB around T-S line	0.0015	0.0200
20	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	14	0	CI around median	6.9/7.1	6.8/7.8
20	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 07/31/24	12	0	CI around mean	0.453	1.90
20	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.0025	0.001
20	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	14	0	CI around geomean	75.5	227
20	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	14	100	All ND - Last	0.002	0.002
20	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	14	0	CI around mean	407	746
34	LGU	E006	Antimony, total	mg/L	--	--	--	--	NS[7]	0.00100
34	LGU	E006	Arsenic, total	mg/L	--	--	--	--	NS[7]	0.0600

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Barium, total	mg/L	--	--	--	--	NS[7]	0.520
34	LGU	E006	Beryllium, total	mg/L	--	--	--	--	NS[7]	0.001
34	LGU	E006	Boron, total	mg/L	--	--	--	--	NS[7]	2.45
34	LGU	E006	Cadmium, total	mg/L	--	--	--	--	NS[7]	0.001
34	LGU	E006	Chloride, total	mg/L	--	--	--	--	NS[7]	82.0
34	LGU	E006	Chromium, total	mg/L	--	--	--	--	NS[7]	0.0200
34	LGU	E006	Cobalt, total	mg/L	--	--	--	--	NS[7]	0.00400
34	LGU	E006	Fluoride, total	mg/L	--	--	--	--	NS[7]	1.14
34	LGU	E006	Lead, total	mg/L	--	--	--	--	NS[7]	0.00600
34	LGU	E006	Lithium, total	mg/L	--	--	--	--	NS[7]	0.0300
34	LGU	E006	Mercury, total	mg/L	--	--	--	--	NS[7]	0.0002
34	LGU	E006	Molybdenum, total	mg/L	--	--	--	--	NS[7]	0.0200
34	LGU	E006	pH (field)	SU	--	--	--	--	NS[7]	6.8/7.8
34	LGU	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[7]	1.90
34	LGU	E006	Selenium, total	mg/L	--	--	--	--	NS[7]	0.001
34	LGU	E006	Sulfate, total	mg/L	--	--	--	--	NS[7]	227
34	LGU	E006	Thallium, total	mg/L	--	--	--	--	NS[7]	0.002
34	LGU	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[7]	746
36	UA	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.00100
36	UA	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600
36	UA	E006	Barium, total	mg/L	--	--	--	--	NS[2]	0.520
36	UA	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.001
36	UA	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45
36	UA	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.001
36	UA	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	82.0
36	UA	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.0200
36	UA	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.00400

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	1.14
36	UA	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.00600
36	UA	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.0300
36	UA	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.0002
36	UA	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.0200
36	UA	E006	pH (field)	SU	--	--	--	--	NS[2]	6.8/7.8
36	UA	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	1.90
36	UA	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.001
36	UA	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	227
36	UA	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002
36	UA	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	746
37	LGU	E006	Antimony, total	mg/L	--	--	--	--	NS[2]	0.00100
37	LGU	E006	Arsenic, total	mg/L	--	--	--	--	NS[2]	0.0600
37	LGU	E006	Barium, total	mg/L	--	--	--	--	NS[2]	0.520
37	LGU	E006	Beryllium, total	mg/L	--	--	--	--	NS[2]	0.001
37	LGU	E006	Boron, total	mg/L	--	--	--	--	NS[2]	2.45
37	LGU	E006	Cadmium, total	mg/L	--	--	--	--	NS[2]	0.001
37	LGU	E006	Chloride, total	mg/L	--	--	--	--	NS[2]	82.0
37	LGU	E006	Chromium, total	mg/L	--	--	--	--	NS[2]	0.0200
37	LGU	E006	Cobalt, total	mg/L	--	--	--	--	NS[2]	0.00400
37	LGU	E006	Fluoride, total	mg/L	--	--	--	--	NS[2]	1.14
37	LGU	E006	Lead, total	mg/L	--	--	--	--	NS[2]	0.00600
37	LGU	E006	Lithium, total	mg/L	--	--	--	--	NS[2]	0.0300
37	LGU	E006	Mercury, total	mg/L	--	--	--	--	NS[2]	0.0002
37	LGU	E006	Molybdenum, total	mg/L	--	--	--	--	NS[2]	0.0200
37	LGU	E006	pH (field)	SU	--	--	--	--	NS[2]	6.8/7.8
37	LGU	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS[2]	1.90

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Selenium, total	mg/L	--	--	--	--	NS[2]	0.001
37	LGU	E006	Sulfate, total	mg/L	--	--	--	--	NS[2]	227
37	LGU	E006	Thallium, total	mg/L	--	--	--	--	NS[2]	0.002
37	LGU	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS[2]	746
38	UA	E006	Antimony, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.003	0.00100
38	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/30/24	14	0	CB around linear reg	0.0286	0.0600
38	UA	E006	Barium, total	mg/L	03/30/21 - 07/30/24	14	0	CB around T-S line	-0.0626	0.520
38	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.001	0.001
38	UA	E006	Boron, total	mg/L	03/30/21 - 07/30/24	14	0	CI around geomean	0.422	2.45
38	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.0005	0.001
38	UA	E006	Chloride, total	mg/L	03/30/21 - 07/30/24	14	0	CB around linear reg	13.6	82.0
38	UA	E006	Chromium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.005	0.0200
38	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.001	0.00400
38	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/30/24	14	7	CI around geomean	0.352	1.14
38	UA	E006	Lead, total	mg/L	03/30/21 - 07/30/24	14	93	CI around median	0.0005	0.00600
38	UA	E006	Lithium, total	mg/L	03/30/21 - 07/30/24	14	57	CI around median	0.003	0.0300
38	UA	E006	Mercury, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.0002	0.0002
38	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/30/24	14	43	CI around mean	0.00245	0.0200
38	UA	E006	pH (field)	SU	03/30/21 - 07/30/24	14	0	CI around mean	6.9/7.1	6.8/7.8
38	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 07/30/24	12	0	CI around mean	1.03	1.90
38	UA	E006	Selenium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.0025	0.001
38	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/30/24	14	93	CB around T-S line	-1.49	227
38	UA	E006	Thallium, total	mg/L	03/30/21 - 07/30/24	14	100	All ND - Last	0.002	0.002
38	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/30/24	14	0	CI around mean	506	746
41	UA	E006	Antimony, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.003	0.00100
41	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/29/24	14	0	CB around linear reg	0.0103	0.0600
41	UA	E006	Barium, total	mg/L	03/30/21 - 07/29/24	14	0	CI around mean	0.232	0.520

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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	E006	Beryllium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.001	0.001
41	UA	E006	Boron, total	mg/L	03/30/21 - 07/29/24	14	0	CB around linear reg	3.01	2.45
41	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.0005	0.001
41	UA	E006	Chloride, total	mg/L	03/30/21 - 07/29/24	14	0	CB around linear reg	45.5	82.0
41	UA	E006	Chromium, total	mg/L	03/30/21 - 07/29/24	14	93	CI around median	0.0015	0.0200
41	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.001	0.00400
41	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/29/24	14	7	CI around median	0.41	1.14
41	UA	E006	Lead, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.0005	0.00600
41	UA	E006	Lithium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.005	0.0300
41	UA	E006	Mercury, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.0002	0.0002
41	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.005	0.0200
41	UA	E006	pH (field)	SU	03/30/21 - 07/29/24	14	0	CI around mean	7.0/7.2	6.8/7.8
41	UA	E006	Radium 226 + Radium 228, total	pCi/L	04/20/21 - 07/29/24	12	0	CI around mean	1.12	1.90
41	UA	E006	Selenium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.0025	0.001
41	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/29/24	14	86	CI around median	1	227
41	UA	E006	Thallium, total	mg/L	03/30/21 - 07/29/24	14	100	All ND - Last	0.002	0.002
41	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/29/24	14	0	CI around mean	605	746

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 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
HSU = hydrostratigraphic unit:
    LGU = Lower Groundwater Unit
    UA = Uppermost Aquifer
mg/L = milligrams per liter
Missing Code (if applicable):
    NR[1] = Select parameters were not analyzed.
    NS[1] = This well has been, or will be, abandoned; therefore, a sample was not collected.
    NS[2] = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
    NS[3] = A sample was not collected because the location was inaccessible.
    NS[4] = The location could not be found, therefore a sample was not collected.
    NS[5] = A sample was not collected because of damage to the well.
    NS[6] = A sample was not collected because of pump issues.
    NS[7] = A sample was not collected because the well was either dry or was purged dry and did not recover.
    PM[1] = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
    All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
    CB around T-S line = Confidence band around Thiel-Sen line
    CB around linear reg = Confidence band around linear regression
    CI around geomean = Confidence interval around the geometric mean
    CI around mean = Confidence interval around the mean
    CI around median = Confidence interval around the median
    Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination