

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

July 21, 2025

Illinois Environmental Protection Agency
Bureau of Land – MC#33
Attn: Part 845 Coal Combustion Residual Rule Submittal
2520 West Iles Avenue
P.O. Box 19276
Springfield, IL 62794

Re: Vermilion Power Plant New East Ash Pond; IEPA ID # W1838000002-04

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 2, 2025 sampling event at the Vermilion Power Plant New East Ash Pond (NEAP), identified by Illinois Environmental Protection Agency (IEPA) ID No. W1838000002-04. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ of the GWPS.

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

A Corrective Measures Assessment (CMA) for the NEAP was initiated on December 31, 2023, completed, and submitted to IEPA on May 29, 2024, 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 NEAP. The selected remedy will meet the performance standards of 35 I.A.C. § 845.670(d) and the Corrective Action Plan was submitted to the Agency on May 27, 2025. Once implemented and completed, the selected remedy will attain the GWPSs.

Sincerely,



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

Enclosures

*Groundwater Monitoring Data and Detected Exceedances, Quarter 2, 2025, New East Ash Pond,
Vermilion Power Plant, Oakwood, Illinois*

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

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹
QUARTER 2, 2025
NEW EAST ASH POND, VERMILION POWER PLANT, OAKWOOD, ILLINOIS

July 21, 2025

Samples were collected 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 May 22, 2025.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2, 2025 sampling event. Compliance monitoring well 16B was dry; therefore, groundwater elevation data and a groundwater sample were not collected. Compliance monitoring wells 35S and 71D went dry during purging; therefore, groundwater samples were not collected. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 2, 2025 sampling event.

Following well inspection, well 10 was noted as damaged. Well 10 was abandoned and replaced with 10R in December 2024. Updates to the Groundwater Monitoring Plan² will be considered following IEPA review and approval of an operating permit.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan)², constituent concentrations observed at compliance monitoring wells in Quarter 2, 2025 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

The date of this submittal is considered to be the date that the exceedances were detected.

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration³ (ASD) was submitted on December 1, 2023 for the exceedances of the chloride and lithium GWPSs detected at compliance monitoring wells 35D and 70D and the sulfate and total dissolved solids (TDS) GWPSs detected at compliance monitoring well 35D during the Quarter 2, 2023 sampling event. The Illinois Environmental Protection

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

² Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. New East Ash Pond. Vermilion Power Plant. Oakwood, Illinois. October 25, 2021.*

³ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, New East Ash Pond, Vermilion Power Plant, Oakwood, IL, IEPA ID: W1838000002-04.* December 1, 2023.

Agency (IEPA) provided a written response on December 28, 2023⁴ that did not concur with the ASD. The non-concurrence was appealed, and on April 18, 2024⁵, the Illinois Pollution Control Board granted the request to stay the applicability of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedances of the chloride, lithium, sulfate, and TDS GWPSs detected at compliance monitoring wells 35D and 70D.

An ASD⁶ was submitted on July 24, 2024 for the exceedance of the TDS GWPS at compliance monitoring well 70D during the Quarter 1, 2024 sampling event. The IEPA provided a written response on August 22, 2024⁷ that did not concur with the ASD. The non-concurrence was appealed, and on November 7, 2024⁸, the Illinois Pollution Control Board granted the request to stay the applicability of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedance of the TDS GWPS detected at compliance monitoring well 70D.

Exceedances of the chloride, lithium, sulfate, and TDS GWPSs were detected during the Quarter 2, 2025 sampling event in the same monitoring wells identified in the December 1, 2023 ASD and the July 24, 2024 ASD. Therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 2, 2025
Table 2	Evaluation of Compliance - Quarter 2, 2025

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 2, 2025
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 2, 2025
Attachment C	Comparison to Background - Quarter 2, 2025

⁴ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Dianna Tickner (Dynegy Midwest Generation, LLC): Re: Vermilion Power Plant New East Ash Pond; W1838000002-4, Alternative Source Demonstration (ASD) Submittal*. December 28, 2023.

⁵ Illinois Pollution Control Board (IPCB), 2024. *PCB 24-53 (Petition for review – Alternative Source Demonstration)*. April 18, 2024.

⁶ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2024. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, New East Ash Pond, Vermilion Power Plant, Oakwood, IL, IEPA ID: W1838000002-04*. July 24, 2024.

⁷ Illinois Environmental Protection Agency (IEPA), 2024. *Letter from Darin LeCrone (IEPA) to Dianna Tickner (Dynegy Midwest Generation, LLC): Re: Vermilion Power Plant New East Ash Pond; W1838000002-4, Alternative Source Demonstration (ASD) Submittal*. August 22, 2024.

⁸ Illinois Pollution Control Board (IPCB), 2024. *PCB 25-15 (Petition for review – Alternative Source Demonstration)*. November 7, 2024.

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
10R	Background	E009	04/14/2025	Antimony, total	0.0013 U	mg/L
10R	Background	E009	04/14/2025	Arsenic, total	0.00500	mg/L
10R	Background	E009	04/14/2025	Barium, total	0.120	mg/L
10R	Background	E009	04/14/2025	Beryllium, total	0.00053 U	mg/L
10R	Background	E009	04/14/2025	Boron, total	0.110	mg/L
10R	Background	E009	04/14/2025	Cadmium, total	0.00017 U	mg/L
10R	Background	E009	04/14/2025	Calcium, total	130	mg/L
10R	Background	E009	04/14/2025	Chloride, total	4.10	mg/L
10R	Background	E009	04/14/2025	Chromium, total	0.0019 J	mg/L
10R	Background	E009	04/14/2025	Cobalt, total	0.00370	mg/L
10R	Background	E009	04/14/2025	Dissolved Oxygen	1.00	mg/L
10R	Background	E009	04/14/2025	Fluoride, total	0.310	mg/L
10R	Background	E009	04/14/2025	Lead, total	0.000940 J	mg/L
10R	Background	E009	04/14/2025	Lithium, total	0.0140	mg/L
10R	Background	E009	04/14/2025	Mercury, total	0.000076 U	mg/L
10R	Background	E009	04/14/2025	Molybdenum, total	0.00950	mg/L
10R	Background	E009	04/14/2025	Oxidation Reduction Potential	-92.4	mV
10R	Background	E009	04/14/2025	pH (field)	7.1	SU
10R	Background	E009	04/14/2025	Radium 226 + Radium 228, total	0.598	pCi/L
10R	Background	E009	04/14/2025	Selenium, total	0.00098 U	mg/L
10R	Background	E009	04/14/2025	Specific Conductance @ 25C (field)	900	micromhos/cm
10R	Background	E009	04/14/2025	Sulfate, total	120	mg/L
10R	Background	E009	04/14/2025	Temperature	13.7	degrees C
10R	Background	E009	04/14/2025	Thallium, total	0.00057 U	mg/L
10R	Background	E009	04/14/2025	Total Dissolved Solids	680	mg/L
10R	Background	E009	04/14/2025	Turbidity, field	118	NTU
22	Background	E009	04/16/2025	Antimony, total	0.0013 U	mg/L
22	Background	E009	04/16/2025	Arsenic, total	0.00260	mg/L
22	Background	E009	04/16/2025	Barium, total	0.130	mg/L
22	Background	E009	04/16/2025	Beryllium, total	0.00078 J	mg/L
22	Background	E009	04/16/2025	Boron, total	0.400	mg/L
22	Background	E009	04/16/2025	Cadmium, total	0.00017 U	mg/L
22	Background	E009	04/16/2025	Calcium, total	46.0	mg/L
22	Background	E009	04/16/2025	Chloride, total	12.0	mg/L
22	Background	E009	04/16/2025	Chromium, total	0.0180	mg/L
22	Background	E009	04/16/2025	Cobalt, total	0.00690	mg/L
22	Background	E009	04/16/2025	Dissolved Oxygen	0.280	mg/L
22	Background	E009	04/16/2025	Fluoride, total	0.400	mg/L
22	Background	E009	04/16/2025	Lead, total	0.00470	mg/L
22	Background	E009	04/16/2025	Lithium, total	0.0480	mg/L
22	Background	E009	04/16/2025	Mercury, total	0.000076 U	mg/L
22	Background	E009	04/16/2025	Molybdenum, total	0.0038 J	mg/L
22	Background	E009	04/16/2025	Oxidation Reduction Potential	-9.70	mV
22	Background	E009	04/16/2025	pH (field)	7.2	SU
22	Background	E009	04/16/2025	Radium 226 + Radium 228, total	3.49	pCi/L
22	Background	E009	04/16/2025	Selenium, total	0.00098 U	mg/L

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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
22	Background	E009	04/16/2025	Specific Conductance @ 25C (field)	738	micromhos/cm
22	Background	E009	04/16/2025	Sulfate, total	36.0	mg/L
22	Background	E009	04/16/2025	Temperature	13.2	degrees C
22	Background	E009	04/16/2025	Thallium, total	0.00057 U	mg/L
22	Background	E009	04/16/2025	Total Dissolved Solids	450	mg/L
22	Background	E009	04/16/2025	Turbidity, field	770	NTU
16B	Compliance	E009	--	Antimony, total	NS ⁷	mg/L
16B	Compliance	E009	--	Arsenic, total	NS ⁷	mg/L
16B	Compliance	E009	--	Barium, total	NS ⁷	mg/L
16B	Compliance	E009	--	Beryllium, total	NS ⁷	mg/L
16B	Compliance	E009	--	Boron, total	NS ⁷	mg/L
16B	Compliance	E009	--	Cadmium, total	NS ⁷	mg/L
16B	Compliance	E009	--	Calcium, total	NS ⁷	mg/L
16B	Compliance	E009	--	Chloride, total	NS ⁷	mg/L
16B	Compliance	E009	--	Chromium, total	NS ⁷	mg/L
16B	Compliance	E009	--	Cobalt, total	NS ⁷	mg/L
16B	Compliance	E009	--	Dissolved Oxygen	NS ⁷	mg/L
16B	Compliance	E009	--	Fluoride, total	NS ⁷	mg/L
16B	Compliance	E009	--	Lead, total	NS ⁷	mg/L
16B	Compliance	E009	--	Lithium, total	NS ⁷	mg/L
16B	Compliance	E009	--	Mercury, total	NS ⁷	mg/L
16B	Compliance	E009	--	Molybdenum, total	NS ⁷	mg/L
16B	Compliance	E009	--	Oxidation Reduction Potential	NS ⁷	mV
16B	Compliance	E009	--	pH (field)	NS ⁷	SU
16B	Compliance	E009	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
16B	Compliance	E009	--	Selenium, total	NS ⁷	mg/L
16B	Compliance	E009	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
16B	Compliance	E009	--	Sulfate, total	NS ⁷	mg/L
16B	Compliance	E009	--	Temperature	NS ⁷	degrees C
16B	Compliance	E009	--	Thallium, total	NS ⁷	mg/L
16B	Compliance	E009	--	Total Dissolved Solids	NS ⁷	mg/L
16B	Compliance	E009	--	Turbidity, field	NS ⁷	NTU
16A	Compliance	E009	04/14/2025	Antimony, total	0.0013 U	mg/L
16A	Compliance	E009	04/14/2025	Arsenic, total	0.00110	mg/L
16A	Compliance	E009	04/14/2025	Barium, total	0.380	mg/L
16A	Compliance	E009	04/14/2025	Beryllium, total	0.00053 U	mg/L
16A	Compliance	E009	04/14/2025	Boron, total	0.670	mg/L
16A	Compliance	E009	04/14/2025	Cadmium, total	0.00017 U	mg/L
16A	Compliance	E009	04/14/2025	Calcium, total	73.0	mg/L
16A	Compliance	E009	04/14/2025	Chloride, total	87.0	mg/L
16A	Compliance	E009	04/14/2025	Chromium, total	0.0011 U	mg/L
16A	Compliance	E009	04/14/2025	Cobalt, total	0.0004 U	mg/L
16A	Compliance	E009	04/14/2025	Dissolved Oxygen	0.440	mg/L
16A	Compliance	E009	04/14/2025	Fluoride, total	0.670	mg/L
16A	Compliance	E009	04/14/2025	Lead, total	0.000770	mg/L
16A	Compliance	E009	04/14/2025	Lithium, total	0.0320	mg/L

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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
16A	Compliance	E009	04/14/2025	Mercury, total	0.000076 U	mg/L
16A	Compliance	E009	04/14/2025	Molybdenum, total	0.0025 U	mg/L
16A	Compliance	E009	04/14/2025	Oxidation Reduction Potential	-88.1	mV
16A	Compliance	E009	04/14/2025	pH (field)	7.0	SU
16A	Compliance	E009	04/14/2025	Radium 226 + Radium 228, total	1.27	pCi/L
16A	Compliance	E009	04/14/2025	Selenium, total	0.00098 U	mg/L
16A	Compliance	E009	04/14/2025	Specific Conductance @ 25C (field)	1,303	micromhos/cm
16A	Compliance	E009	04/14/2025	Sulfate, total	86.0	mg/L
16A	Compliance	E009	04/14/2025	Temperature	12.0	degrees C
16A	Compliance	E009	04/14/2025	Thallium, total	0.00057 U	mg/L
16A	Compliance	E009	04/14/2025	Total Dissolved Solids	770	mg/L
16A	Compliance	E009	04/14/2025	Turbidity, field	155	NTU
35S	Compliance	E009	--	Antimony, total	NS ⁷	mg/L
35S	Compliance	E009	--	Arsenic, total	NS ⁷	mg/L
35S	Compliance	E009	--	Barium, total	NS ⁷	mg/L
35S	Compliance	E009	--	Beryllium, total	NS ⁷	mg/L
35S	Compliance	E009	--	Boron, total	NS ⁷	mg/L
35S	Compliance	E009	--	Cadmium, total	NS ⁷	mg/L
35S	Compliance	E009	--	Calcium, total	NS ⁷	mg/L
35S	Compliance	E009	--	Chloride, total	NS ⁷	mg/L
35S	Compliance	E009	--	Chromium, total	NS ⁷	mg/L
35S	Compliance	E009	--	Cobalt, total	NS ⁷	mg/L
35S	Compliance	E009	--	Dissolved Oxygen	NS ⁷	mg/L
35S	Compliance	E009	--	Fluoride, total	NS ⁷	mg/L
35S	Compliance	E009	--	Lead, total	NS ⁷	mg/L
35S	Compliance	E009	--	Lithium, total	NS ⁷	mg/L
35S	Compliance	E009	--	Mercury, total	NS ⁷	mg/L
35S	Compliance	E009	--	Molybdenum, total	NS ⁷	mg/L
35S	Compliance	E009	--	Oxidation Reduction Potential	NS ⁷	mV
35S	Compliance	E009	--	pH (field)	NS ⁷	SU
35S	Compliance	E009	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
35S	Compliance	E009	--	Selenium, total	NS ⁷	mg/L
35S	Compliance	E009	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
35S	Compliance	E009	--	Sulfate, total	NS ⁷	mg/L
35S	Compliance	E009	--	Temperature	NS ⁷	degrees C
35S	Compliance	E009	--	Thallium, total	NS ⁷	mg/L
35S	Compliance	E009	--	Total Dissolved Solids	NS ⁷	mg/L
35S	Compliance	E009	--	Turbidity, field	NS ⁷	NTU
35D	Compliance	E009	04/15/2025	Antimony, total	0.0013 U	mg/L
35D	Compliance	E009	04/15/2025	Arsenic, total	0.0006 J	mg/L
35D	Compliance	E009	04/15/2025	Barium, total	0.0230	mg/L
35D	Compliance	E009	04/15/2025	Beryllium, total	0.00053 U	mg/L
35D	Compliance	E009	04/15/2025	Boron, total	2.10	mg/L
35D	Compliance	E009	04/15/2025	Cadmium, total	0.00017 U	mg/L
35D	Compliance	E009	04/15/2025	Calcium, total	89.0	mg/L
35D	Compliance	E009	04/15/2025	Chloride, total	450	mg/L

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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
35D	Compliance	E009	04/15/2025	Chromium, total	0.0016 J	mg/L
35D	Compliance	E009	04/15/2025	Cobalt, total	0.0004 U	mg/L
35D	Compliance	E009	04/15/2025	Dissolved Oxygen	2.43	mg/L
35D	Compliance	E009	04/15/2025	Fluoride, total	0.780	mg/L
35D	Compliance	E009	04/15/2025	Lead, total	0.00038 J	mg/L
35D	Compliance	E009	04/15/2025	Lithium, total	0.150	mg/L
35D	Compliance	E009	04/15/2025	Mercury, total	0.000076 U	mg/L
35D	Compliance	E009	04/15/2025	Molybdenum, total	0.00540	mg/L
35D	Compliance	E009	04/15/2025	Oxidation Reduction Potential	199	mV
35D	Compliance	E009	04/15/2025	pH (field)	7.4	SU
35D	Compliance	E009	04/15/2025	Radium 226 + Radium 228, total	0.722	pCi/L
35D	Compliance	E009	04/15/2025	Selenium, total	0.00098 U	mg/L
35D	Compliance	E009	04/15/2025	Specific Conductance @ 25C (field)	4,261	micromhos/cm
35D	Compliance	E009	04/15/2025	Sulfate, total	1,300	mg/L
35D	Compliance	E009	04/15/2025	Temperature	10.4	degrees C
35D	Compliance	E009	04/15/2025	Thallium, total	0.00057 U	mg/L
35D	Compliance	E009	04/15/2025	Total Dissolved Solids	3,200	mg/L
35D	Compliance	E009	04/15/2025	Turbidity, field	32.4	NTU
70S	Compliance	E009	04/15/2025	Antimony, total	0.0013 U	mg/L
70S	Compliance	E009	04/15/2025	Arsenic, total	0.00023 U	mg/L
70S	Compliance	E009	04/15/2025	Barium, total	0.0160	mg/L
70S	Compliance	E009	04/15/2025	Beryllium, total	0.00053 U	mg/L
70S	Compliance	E009	04/15/2025	Boron, total	0.460	mg/L
70S	Compliance	E009	04/15/2025	Cadmium, total	0.00018 J	mg/L
70S	Compliance	E009	04/15/2025	Calcium, total	190	mg/L
70S	Compliance	E009	04/15/2025	Chloride, total	9.30	mg/L
70S	Compliance	E009	04/15/2025	Chromium, total	0.0011 U	mg/L
70S	Compliance	E009	04/15/2025	Cobalt, total	0.0004 U	mg/L
70S	Compliance	E009	04/15/2025	Dissolved Oxygen	0.790	mg/L
70S	Compliance	E009	04/15/2025	Fluoride, total	0.130	mg/L
70S	Compliance	E009	04/15/2025	Lead, total	0.00022 J	mg/L
70S	Compliance	E009	04/15/2025	Lithium, total	0.0130	mg/L
70S	Compliance	E009	04/15/2025	Mercury, total	0.000076 U	mg/L
70S	Compliance	E009	04/15/2025	Molybdenum, total	0.0025 J	mg/L
70S	Compliance	E009	04/15/2025	Oxidation Reduction Potential	113	mV
70S	Compliance	E009	04/15/2025	pH (field)	6.7	SU
70S	Compliance	E009	04/15/2025	Radium 226 + Radium 228, total	0.537	pCi/L
70S	Compliance	E009	04/15/2025	Selenium, total	0.00098 U	mg/L
70S	Compliance	E009	04/15/2025	Specific Conductance @ 25C (field)	1,216	micromhos/cm
70S	Compliance	E009	04/15/2025	Sulfate, total	470	mg/L
70S	Compliance	E009	04/15/2025	Temperature	10.8	degrees C
70S	Compliance	E009	04/15/2025	Thallium, total	0.00057 U	mg/L
70S	Compliance	E009	04/15/2025	Total Dissolved Solids	1,000	mg/L
70S	Compliance	E009	04/15/2025	Turbidity, field	21.6	NTU
70D	Compliance	E009	04/15/2025	Antimony, total	0.0013 U	mg/L
70D	Compliance	E009	04/15/2025	Arsenic, total	0.00059 J	mg/L

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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
70D	Compliance	E009	04/15/2025	Barium, total	0.160	mg/L
70D	Compliance	E009	04/15/2025	Beryllium, total	0.00053 U	mg/L
70D	Compliance	E009	04/15/2025	Boron, total	1.20	mg/L
70D	Compliance	E009	04/15/2025	Cadmium, total	0.00017 U	mg/L
70D	Compliance	E009	04/15/2025	Calcium, total	130	mg/L
70D	Compliance	E009	04/15/2025	Chloride, total	170	mg/L
70D	Compliance	E009	04/15/2025	Chromium, total	0.0011 U	mg/L
70D	Compliance	E009	04/15/2025	Cobalt, total	0.0004 U	mg/L
70D	Compliance	E009	04/15/2025	Dissolved Oxygen	0.720	mg/L
70D	Compliance	E009	04/15/2025	Fluoride, total	0.300	mg/L
70D	Compliance	E009	04/15/2025	Lead, total	0.00021 J	mg/L
70D	Compliance	E009	04/15/2025	Lithium, total	0.0460	mg/L
70D	Compliance	E009	04/15/2025	Mercury, total	0.000076 U	mg/L
70D	Compliance	E009	04/15/2025	Molybdenum, total	0.0220	mg/L
70D	Compliance	E009	04/15/2025	Oxidation Reduction Potential	62.0	mV
70D	Compliance	E009	04/15/2025	pH (field)	6.9	SU
70D	Compliance	E009	04/15/2025	Radium 226 + Radium 228, total	0.893	pCi/L
70D	Compliance	E009	04/15/2025	Selenium, total	0.002 J	mg/L
70D	Compliance	E009	04/15/2025	Specific Conductance @ 25C (field)	1,695	micromhos/cm
70D	Compliance	E009	04/15/2025	Sulfate, total	370	mg/L
70D	Compliance	E009	04/15/2025	Temperature	11.7	degrees C
70D	Compliance	E009	04/15/2025	Thallium, total	0.00057 U	mg/L
70D	Compliance	E009	04/15/2025	Total Dissolved Solids	1,200	mg/L
70D	Compliance	E009	04/15/2025	Turbidity, field	15.1	NTU
71S	Compliance	E009	04/15/2025	Antimony, total	0.0013 U	mg/L
71S	Compliance	E009	04/15/2025	Arsenic, total	0.00037 J	mg/L
71S	Compliance	E009	04/15/2025	Barium, total	0.0480	mg/L
71S	Compliance	E009	04/15/2025	Beryllium, total	0.00053 U	mg/L
71S	Compliance	E009	04/15/2025	Boron, total	0.150 J+	mg/L
71S	Compliance	E009	04/15/2025	Cadmium, total	0.00017 U	mg/L
71S	Compliance	E009	04/15/2025	Calcium, total	140	mg/L
71S	Compliance	E009	04/15/2025	Chloride, total	2.40	mg/L
71S	Compliance	E009	04/15/2025	Chromium, total	0.0011 U	mg/L
71S	Compliance	E009	04/15/2025	Cobalt, total	0.0004 U	mg/L
71S	Compliance	E009	04/15/2025	Dissolved Oxygen	0.350	mg/L
71S	Compliance	E009	04/15/2025	Fluoride, total	0.190	mg/L
71S	Compliance	E009	04/15/2025	Lead, total	0.00019 U	mg/L
71S	Compliance	E009	04/15/2025	Lithium, total	0.0028 J	mg/L
71S	Compliance	E009	04/15/2025	Mercury, total	0.000076 U	mg/L
71S	Compliance	E009	04/15/2025	Molybdenum, total	0.0025 U	mg/L
71S	Compliance	E009	04/15/2025	Oxidation Reduction Potential	82.8	mV
71S	Compliance	E009	04/15/2025	pH (field)	6.4	SU
71S	Compliance	E009	04/15/2025	Radium 226 + Radium 228, total	1.5	pCi/L
71S	Compliance	E009	04/15/2025	Selenium, total	0.0012 J	mg/L
71S	Compliance	E009	04/15/2025	Specific Conductance @ 25C (field)	846	micromhos/cm
71S	Compliance	E009	04/15/2025	Sulfate, total	54.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025

845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
71S	Compliance	E009	04/15/2025	Temperature	9.50	degrees C
71S	Compliance	E009	04/15/2025	Thallium, total	0.00057 U	mg/L
71S	Compliance	E009	04/15/2025	Total Dissolved Solids	530	mg/L
71S	Compliance	E009	04/15/2025	Turbidity, field	2.85	NTU
71D	Compliance	E009	--	Antimony, total	NS ⁷	mg/L
71D	Compliance	E009	--	Arsenic, total	NS ⁷	mg/L
71D	Compliance	E009	--	Barium, total	NS ⁷	mg/L
71D	Compliance	E009	--	Beryllium, total	NS ⁷	mg/L
71D	Compliance	E009	--	Boron, total	NS ⁷	mg/L
71D	Compliance	E009	--	Cadmium, total	NS ⁷	mg/L
71D	Compliance	E009	--	Calcium, total	NS ⁷	mg/L
71D	Compliance	E009	--	Chloride, total	NS ⁷	mg/L
71D	Compliance	E009	--	Chromium, total	NS ⁷	mg/L
71D	Compliance	E009	--	Cobalt, total	NS ⁷	mg/L
71D	Compliance	E009	--	Dissolved Oxygen	NS ⁷	mg/L
71D	Compliance	E009	--	Fluoride, total	NS ⁷	mg/L
71D	Compliance	E009	--	Lead, total	NS ⁷	mg/L
71D	Compliance	E009	--	Lithium, total	NS ⁷	mg/L
71D	Compliance	E009	--	Mercury, total	NS ⁷	mg/L
71D	Compliance	E009	--	Molybdenum, total	NS ⁷	mg/L
71D	Compliance	E009	--	Oxidation Reduction Potential	NS ⁷	mV
71D	Compliance	E009	--	pH (field)	NS ⁷	SU
71D	Compliance	E009	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
71D	Compliance	E009	--	Selenium, total	NS ⁷	mg/L
71D	Compliance	E009	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
71D	Compliance	E009	--	Sulfate, total	NS ⁷	mg/L
71D	Compliance	E009	--	Temperature	NS ⁷	degrees C
71D	Compliance	E009	--	Thallium, total	NS ⁷	mg/L
71D	Compliance	E009	--	Total Dissolved Solids	NS ⁷	mg/L
71D	Compliance	E009	--	Turbidity, field	NS ⁷	NTU

Notes:

C = Celsius
cm = centimeter
Events:

E009 = Quarter 2, 2025 sampling event

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

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

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

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

NS⁶ = Sampling pump could not yield a sample.

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

NS⁸ = A sample was not collected.

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

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

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ = The result is an estimated quantity, but the result may be biased high.

U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW 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
16B	UU	E009	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
16B	UU	E009	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.010	Standard	--
16B	UU	E009	Barium, total	mg/L	--	--	--	--	NS ⁷	2.0	Standard	--
16B	UU	E009	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.004	Standard	--
16B	UU	E009	Boron, total	mg/L	--	--	--	--	NS ⁷	2	Standard	--
16B	UU	E009	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.005	Standard	--
16B	UU	E009	Chloride, total	mg/L	--	--	--	--	NS ⁷	200	Standard	--
16B	UU	E009	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
16B	UU	E009	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.0900	Background	--
16B	UU	E009	Fluoride, total	mg/L	--	--	--	--	NS ⁷	4.0	Standard	--
16B	UU	E009	Lead, total	mg/L	--	--	--	--	NS ⁷	0.0075	Standard	--
16B	UU	E009	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.04	Standard	--
16B	UU	E009	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
16B	UU	E009	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
16B	UU	E009	pH (field)	SU	--	--	--	--	NS ⁷	6.3/9.0	Background/Standard	--
16B	UU	E009	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	7.00	Background	--
16B	UU	E009	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.05	Standard	--
16B	UU	E009	Sulfate, total	mg/L	--	--	--	--	NS ⁷	400	Standard	--
16B	UU	E009	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
16B	UU	E009	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,200	Standard	--
16A	BCU	E009	Antimony, total	mg/L	04/01/21 - 04/14/25	16	94	CB around T-S line	0.001	0.006	Standard	No Exceedance
16A	BCU	E009	Arsenic, total	mg/L	04/01/21 - 04/14/25	16	6	CI around geomean	0.0011	0.010	Standard	No Exceedance
16A	BCU	E009	Barium, total	mg/L	04/01/21 - 04/14/25	16	0	CI around mean	0.268	2.0	Standard	No Exceedance
16A	BCU	E009	Beryllium, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
16A	BCU	E009	Boron, total	mg/L	04/01/21 - 04/14/25	16	0	CI around mean	0.701	2	Standard	No Exceedance
16A	BCU	E009	Cadmium, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
16A	BCU	E009	Chloride, total	mg/L	04/01/21 - 04/14/25	16	0	CI around mean	121	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW 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
16A	BCU	E009	Chromium, total	mg/L	04/01/21 - 04/14/25	16	81	CB around T-S line	0.0015	0.1	Standard	No Exceedance
16A	BCU	E009	Cobalt, total	mg/L	04/01/21 - 04/14/25	16	81	CI around median	0.001	0.0900	Background	No Exceedance
16A	BCU	E009	Fluoride, total	mg/L	04/01/21 - 04/14/25	16	6	CI around mean	0.697	4.0	Standard	No Exceedance
16A	BCU	E009	Lead, total	mg/L	04/01/21 - 04/14/25	16	75	CI around median	0.0005	0.0075	Standard	No Exceedance
16A	BCU	E009	Lithium, total	mg/L	04/01/21 - 04/14/25	16	0	CB around T-S line	0.0315	0.04	Standard	No Exceedance
16A	BCU	E009	Mercury, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
16A	BCU	E009	Molybdenum, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.005	0.1	Standard	No Exceedance
16A	BCU	E009	pH (field)	SU	04/01/21 - 04/14/25	21	0	CI around mean	7.2/7.5	6.3/9.0	Background/Standard	No Exceedance
16A	BCU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/14/25	15	0	CB around linear reg	1.01	7.00	Background	No Exceedance
16A	BCU	E009	Selenium, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
16A	BCU	E009	Sulfate, total	mg/L	04/01/21 - 04/14/25	21	5	CI around geomean	9.41	400	Standard	No Exceedance
16A	BCU	E009	Thallium, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
16A	BCU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/14/25	21	0	CI around mean	653	1,200	Standard	No Exceedance
35S	UU	E009	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
35S	UU	E009	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.010	Standard	--
35S	UU	E009	Barium, total	mg/L	--	--	--	--	NS ⁷	2.0	Standard	--
35S	UU	E009	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.004	Standard	--
35S	UU	E009	Boron, total	mg/L	--	--	--	--	NS ⁷	2	Standard	--
35S	UU	E009	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.005	Standard	--
35S	UU	E009	Chloride, total	mg/L	--	--	--	--	NS ⁷	200	Standard	--
35S	UU	E009	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
35S	UU	E009	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.0900	Background	--
35S	UU	E009	Fluoride, total	mg/L	--	--	--	--	NS ⁷	4.0	Standard	--
35S	UU	E009	Lead, total	mg/L	--	--	--	--	NS ⁷	0.0075	Standard	--
35S	UU	E009	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.04	Standard	--
35S	UU	E009	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
35S	UU	E009	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW 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
35S	UU	E009	pH (field)	SU	--	--	--	--	NS ⁷	6.3/9.0	Background/Standard	--
35S	UU	E009	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	7.00	Background	--
35S	UU	E009	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.05	Standard	--
35S	UU	E009	Sulfate, total	mg/L	--	--	--	--	NS ⁷	400	Standard	--
35S	UU	E009	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
35S	UU	E009	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,200	Standard	--
35D	BCU	E009	Antimony, total	mg/L	04/01/21 - 04/15/25	17	82	CI around median	0.001	0.006	Standard	No Exceedance
35D	BCU	E009	Arsenic, total	mg/L	04/01/21 - 04/15/25	17	24	CI around geomean	0.00152	0.010	Standard	No Exceedance
35D	BCU	E009	Barium, total	mg/L	04/01/21 - 04/15/25	17	0	CB around T-S line	-0.0332	2.0	Standard	No Exceedance
35D	BCU	E009	Beryllium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
35D	BCU	E009	Boron, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	1.73	2	Standard	No Exceedance
35D	BCU	E009	Cadmium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
35D	BCU	E009	Chloride, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	338	200	Standard	Exceedance
35D	BCU	E009	Chromium, total	mg/L	04/01/21 - 04/15/25	17	76	CB around T-S line	0.00374	0.1	Standard	No Exceedance
35D	BCU	E009	Cobalt, total	mg/L	04/01/21 - 04/15/25	17	59	CB around T-S line	-0.00121	0.0900	Background	No Exceedance
35D	BCU	E009	Fluoride, total	mg/L	04/01/21 - 04/15/25	17	6	CI around median	0.66	4.0	Standard	No Exceedance
35D	BCU	E009	Lead, total	mg/L	04/01/21 - 04/15/25	17	65	CB around T-S line	-0.00334	0.0075	Standard	No Exceedance
35D	BCU	E009	Lithium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.12	0.04	Standard	Exceedance
35D	BCU	E009	Mercury, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
35D	BCU	E009	Molybdenum, total	mg/L	04/01/21 - 04/15/25	17	41	CB around linear reg	-0.00201	0.1	Standard	No Exceedance
35D	BCU	E009	pH (field)	SU	04/01/21 - 04/15/25	21	0	CI around median	7.3/7.4	6.3/9.0	Background/Standard	No Exceedance
35D	BCU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/15/25	16	0	CI around mean	0.472	7.00	Background	No Exceedance
35D	BCU	E009	Selenium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
35D	BCU	E009	Sulfate, total	mg/L	04/01/21 - 04/15/25	22	0	CI around mean	1,160	400	Standard	Exceedance
35D	BCU	E009	Thallium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
35D	BCU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/15/25	22	0	CI around mean	2,850	1,200	Standard	Exceedance
70S	UU	E009	Antimony, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.003	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW 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
70S	UU	E009	Arsenic, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.001	0.010	Standard	No Exceedance
70S	UU	E009	Barium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.0163	2.0	Standard	No Exceedance
70S	UU	E009	Beryllium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
70S	UU	E009	Boron, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.404	2	Standard	No Exceedance
70S	UU	E009	Cadmium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
70S	UU	E009	Chloride, total	mg/L	04/01/21 - 04/15/25	17	0	CB around linear reg	7.78	200	Standard	No Exceedance
70S	UU	E009	Chromium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.005	0.1	Standard	No Exceedance
70S	UU	E009	Cobalt, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.001	0.0900	Background	No Exceedance
70S	UU	E009	Fluoride, total	mg/L	04/01/21 - 04/15/25	17	6	CI around median	0.14	4.0	Standard	No Exceedance
70S	UU	E009	Lead, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
70S	UU	E009	Lithium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.0126	0.04	Standard	No Exceedance
70S	UU	E009	Mercury, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
70S	UU	E009	Molybdenum, total	mg/L	04/01/21 - 04/15/25	17	47	CI around median	0.005	0.1	Standard	No Exceedance
70S	UU	E009	pH (field)	SU	04/01/21 - 04/15/25	17	0	CI around mean	6.9/7.0	6.3/9.0	Background/Standard	No Exceedance
70S	UU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/15/25	16	0	CI around geomean	0.115	7.00	Background	No Exceedance
70S	UU	E009	Selenium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
70S	UU	E009	Sulfate, total	mg/L	04/01/21 - 04/15/25	17	0	CB around linear reg	415	400	Standard	Exceedance
70S	UU	E009	Thallium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
70S	UU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/15/25	17	0	CB around linear reg	946	1,200	Standard	No Exceedance
70D	BCU	E009	Antimony, total	mg/L	04/01/21 - 04/15/25	17	88	CB around T-S line	0.001	0.006	Standard	No Exceedance
70D	BCU	E009	Arsenic, total	mg/L	04/01/21 - 04/15/25	17	71	CI around median	0.001	0.010	Standard	No Exceedance
70D	BCU	E009	Barium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.419	2.0	Standard	No Exceedance
70D	BCU	E009	Beryllium, total	mg/L	04/01/21 - 04/15/25	17	82	CI around median	0.001	0.004	Standard	No Exceedance
70D	BCU	E009	Boron, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	1.23	2	Standard	No Exceedance
70D	BCU	E009	Cadmium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
70D	BCU	E009	Chloride, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	491	200	Standard	Exceedance
70D	BCU	E009	Chromium, total	mg/L	04/01/21 - 04/15/25	17	53	CB around T-S line	-0.0558	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW 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
70D	BCU	E009	Cobalt, total	mg/L	04/01/21 - 04/15/25	17	24	CB around T-S line	-0.0479	0.0900	Background	No Exceedance
70D	BCU	E009	Fluoride, total	mg/L	04/01/21 - 04/15/25	17	6	CI around mean	0.408	4.0	Standard	No Exceedance
70D	BCU	E009	Lead, total	mg/L	04/01/21 - 04/15/25	17	29	CB around T-S line	-0.0294	0.0075	Standard	No Exceedance
70D	BCU	E009	Lithium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.0777	0.04	Standard	Exceedance
70D	BCU	E009	Mercury, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
70D	BCU	E009	Molybdenum, total	mg/L	04/01/21 - 04/15/25	17	47	CB around linear reg	-0.0114	0.1	Standard	No Exceedance
70D	BCU	E009	pH (field)	SU	04/01/21 - 04/15/25	17	0	CB around linear reg	6.6/7.1	6.3/9.0	Background/Standard	No Exceedance
70D	BCU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/15/25	16	0	CB around T-S line	-8.33	7.00	Background	No Exceedance
70D	BCU	E009	Selenium, total	mg/L	04/01/21 - 04/15/25	17	88	CB around T-S line	0.001	0.05	Standard	No Exceedance
70D	BCU	E009	Sulfate, total	mg/L	04/01/21 - 04/15/25	17	0	CI around median	43	400	Standard	No Exceedance
70D	BCU	E009	Thallium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
70D	BCU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	1,380	1,200	Standard	Exceedance
71S	UU	E009	Antimony, total	mg/L	04/01/21 - 04/15/25	11	100	All ND - Last	0.003	0.006	Standard	No Exceedance
71S	UU	E009	Arsenic, total	mg/L	04/01/21 - 04/15/25	11	9	CB around linear reg	-0.00271	0.010	Standard	No Exceedance
71S	UU	E009	Barium, total	mg/L	04/01/21 - 04/15/25	11	0	CI around geomean	0.0439	2.0	Standard	No Exceedance
71S	UU	E009	Beryllium, total	mg/L	04/01/21 - 04/15/25	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
71S	UU	E009	Boron, total	mg/L	04/01/21 - 04/15/25	11	0	CI around mean	0.188	2	Standard	No Exceedance
71S	UU	E009	Cadmium, total	mg/L	04/01/21 - 04/15/25	11	91	CB around T-S line	-0.000773	0.005	Standard	No Exceedance
71S	UU	E009	Chloride, total	mg/L	04/01/21 - 04/15/25	11	0	CI around geomean	1.82	200	Standard	No Exceedance
71S	UU	E009	Chromium, total	mg/L	04/01/21 - 04/15/25	11	91	CB around T-S line	0.0015	0.1	Standard	No Exceedance
71S	UU	E009	Cobalt, total	mg/L	04/01/21 - 04/15/25	11	54	CI around median	0.001	0.0900	Background	No Exceedance
71S	UU	E009	Fluoride, total	mg/L	04/01/21 - 04/15/25	11	0	CI around mean	0.174	4.0	Standard	No Exceedance
71S	UU	E009	Lead, total	mg/L	04/01/21 - 04/15/25	11	91	CI around median	0.0005	0.0075	Standard	No Exceedance
71S	UU	E009	Lithium, total	mg/L	04/01/21 - 04/15/25	11	9	CI around mean	0.00429	0.04	Standard	No Exceedance
71S	UU	E009	Mercury, total	mg/L	04/01/21 - 04/15/25	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
71S	UU	E009	Molybdenum, total	mg/L	04/01/21 - 04/15/25	11	27	CI around mean	0.00228	0.1	Standard	No Exceedance
71S	UU	E009	pH (field)	SU	04/01/21 - 04/15/25	11	0	CI around mean	6.6/6.9	6.3/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW 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
71S	UU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/15/25	11	0	CI around mean	0.215	7.00	Background	No Exceedance
71S	UU	E009	Selenium, total	mg/L	04/01/21 - 04/15/25	11	91	CI around median	0.001	0.05	Standard	No Exceedance
71S	UU	E009	Sulfate, total	mg/L	04/01/21 - 04/15/25	11	0	CI around mean	56.5	400	Standard	No Exceedance
71S	UU	E009	Thallium, total	mg/L	04/01/21 - 04/15/25	11	91	CI around median	0.002	0.002	Standard	No Exceedance
71S	UU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/15/25	11	0	CB around linear reg	517	1,200	Standard	No Exceedance
71D	BCU	E009	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
71D	BCU	E009	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.010	Standard	--
71D	BCU	E009	Barium, total	mg/L	--	--	--	--	NS ⁷	2.0	Standard	--
71D	BCU	E009	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.004	Standard	--
71D	BCU	E009	Boron, total	mg/L	--	--	--	--	NS ⁷	2	Standard	--
71D	BCU	E009	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.005	Standard	--
71D	BCU	E009	Chloride, total	mg/L	--	--	--	--	NS ⁷	200	Standard	--
71D	BCU	E009	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
71D	BCU	E009	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.0900	Background	--
71D	BCU	E009	Fluoride, total	mg/L	--	--	--	--	NS ⁷	4.0	Standard	--
71D	BCU	E009	Lead, total	mg/L	--	--	--	--	NS ⁷	0.0075	Standard	--
71D	BCU	E009	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.04	Standard	--
71D	BCU	E009	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
71D	BCU	E009	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
71D	BCU	E009	pH (field)	SU	--	--	--	--	NS ⁷	6.3/9.0	Background/Standard	--
71D	BCU	E009	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	7.00	Background	--
71D	BCU	E009	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.05	Standard	--
71D	BCU	E009	Sulfate, total	mg/L	--	--	--	--	NS ⁷	400	Standard	--
71D	BCU	E009	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
71D	BCU	E009	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,200	Standard	--

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

Notes:

-- = no data available

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

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

Events:

E009 = Quarter 2, 2025 sampling event

HSU = hydrostratigraphic unit:

BCU = Bedrock Confining Unit

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

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

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

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

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

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

NS⁶ = Sampling pump could not yield a sample.

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

NS⁸ = A sample was not collected.

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

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

GWPS Source:

Background = background concentration

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

FIGURES



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

NOTE:
MONITORING WELL 10 WAS ABANDONED ON
DECEMBER 10, 2024 AND WAS REPLACED WITH
MONITORING WELL 10R ON DECEMBER 19, 2024.



MONITORING WELL LOCATION MAP

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA
AND DETECTED EXCEEDANCES
QUARTER 2, 2025

NEW EAST ASH POND
VERMILION POWER PLANT
OAKWOOD, ILLINOIS

FIGURE 1



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 2, 2025**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
10R	Background	04/14/2025	51.44	608.20
16B	Compliance	04/14/2025	Dry	Dry
16A	Compliance	04/14/2025	11.85	567.75
22	Background	04/14/2025	55.99	602.82
35S	Compliance	04/14/2025	12.00	572.39
35D	Compliance	04/14/2025	12.15	571.72
70S	Compliance	04/14/2025	10.07	583.79
70D	Compliance	04/14/2025	15.09	579.68
71S	Compliance	04/14/2025	9.28	570.02
71D	Compliance	04/14/2025	36.02	543.48
NED1	Water Level	04/14/2025	3.40	596.84
XSG02	Water Level	04/14/2025	NA	596.30

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

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 2, 2025**

ANALYTICAL REPORT

PREPARED FOR

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

Generated 05/07/25 10:40:59

JOB DESCRIPTION

VER-25Q2
VER_845_912

JOB NUMBER

500-266801-4

Eurofins Chicago

Job Notes

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

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

Authorization



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05/07/25 10:40:59

Authorized for release by
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Case Narrative

Client: Vistra Energy Corp
Project: VER-25Q2

Job ID: 500-266801-4

Job ID: 500-266801-4

Eurofins Chicago

Job Narrative 500-266801-4

Receipt

The samples were received on 04/15/25 12:15. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 1.7° C, 1.8° C, 2.5° C, 4.8° C, 5.1° C, 5.4° C, 5.5° C, 5.7° C and 5.8° C.

Metals

Method 200.7 Rev 4.4: The linear range check standard (LRC) for AD batch 814616 recovered high for Li. The high standard read back was within control limits and all reported sample results were below the high standard. The data have been reported. (LRC 500-814616/21)

Method 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: 35&D (500-266801-9). Elevated reporting limits (RLs) are provided.

Method 6020B: The method blank for preparation batch 500-814037 and analytical batch 500-814768 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The initial low level calibration verification (ICVL) result for batch 500-814767 was above the upper control limit. The affected analyte is: Beryllium. Sample results were non-detects, and have been reported as qualified data.

Method 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: NED1 (500-266801-30). Elevated reporting limits (RLs) are provided.

Method 6020B: The linear range check standard (LRC) for AD batch 815016 recovered high for Calcium. The high standard read back was within control limits and all reported sample results were below the high standard. The data have been reported. (LRC 500-815016/111)

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

General Chemistry

Method SM 2320B: The method blank for analytical batch 500-814068 contained Alkalinity above the reporting limit (RL). Associated sample(s) were not re-analyzed because results were greater than 10X the value found in the method blank.

Method SM 2320B: The method blank for analytical batch 500-814948 contained Alkalinity, Bicarbonate Alkalinity as CaCO₃ and Carbonate Alkalinity as CaCO₃ above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore re-analysis of samples was not performed.

Method SM 2540C: The TDS matrix duplicate (DU) % RPD precision was outside of control limits for the following sample in batch 500-813829: (500-266713-G-1 DU) and (500-266713-G-2 DU). The laboratory control standard (LCS) recovery met acceptance criteria

Method SM 2540C: The matrix spike (MS) recoveries for analytical batch 500-813829 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 2540C: The method blank for analytical batch 500-813829 contained Total Dissolved Solids above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 300.0: The matrix spike duplicate (MSD) recoveries and precision for analytical batch 500-814357 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

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

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 10R

Lab Sample ID: 500-266801-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.014		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0050		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.12		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.11		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	130		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0019	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.0037		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00094		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	60		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0095		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	5.6		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	14		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	4.1		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	120		10	4.7	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	440	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	680	B	10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.31		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	51.38				ft	1		Field Sampling	Total/NA
Field pH	7.07				SU	1		Field Sampling	Total/NA
Field Temperature	13.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-92.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.00				mg/L	1		Field Sampling	Total/NA
Specific Conductance	900				umhos/cm	1		Field Sampling	Total/NA
Turbidity	117.77				NTU	1		Field Sampling	Total/NA

Client Sample ID: 10R_FD

Lab Sample ID: 500-266801-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.014		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0048		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.12		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.099		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	120		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	0.0028		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00065		0.00050	0.00019	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 10R_FD (Continued)

Lab Sample ID: 500-266801-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	58		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0086		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	5.2		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	13		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	4.0		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	110		10	4.7	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	440	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	650	B	10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.31		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	51.38				ft	1		Field Sampling	Total/NA
Field pH	7.07				SU	1		Field Sampling	Total/NA
Field Temperature	13.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-92.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.00				mg/L	1		Field Sampling	Total/NA
Specific Conductance	900				umhos/cm	1		Field Sampling	Total/NA
Turbidity	117.77				NTU	1		Field Sampling	Total/NA

Client Sample ID: 16A

Lab Sample ID: 500-266801-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.032		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0011		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.38		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.67		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	73		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00077		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	41		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.6		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	170		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	87		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	86		10	4.7	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	770	B	10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.67		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	13.41				ft	1		Field Sampling	Total/NA
Field pH	7.02				SU	1		Field Sampling	Total/NA
Field Temperature	12.01				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-88.1				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.44				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1303				umhos/cm	1		Field Sampling	Total/NA
Turbidity	155.05				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: FB

Lab Sample ID: 500-266801-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.029	J	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	0.054	J	0.20	0.044	mg/L	1		6020B	Total Recoverable
Sodium	0.18	J	0.20	0.077	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	5.4		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	34	B	10	4.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 35&D

Lab Sample ID: 500-266801-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.15		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00060	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.023		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	2.1	B	0.25	0.064	mg/L	5		6020B	Total Recoverable
Calcium	89		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0016	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Lead	0.00038	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	77		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0054		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	8.2		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	1000		1.0	0.39	mg/L	5		6020B	Total Recoverable
Chloride	450		50	21	mg/L	50		300.0	Total/NA
Sulfate	1300		50	23	mg/L	50		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	640		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	3200		17	7.2	mg/L	1		SM 2540C	Total/NA
Fluoride	0.78		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	12.25				ft	1		Field Sampling	Total/NA
Field pH	7.45				SU	1		Field Sampling	Total/NA
Field Temperature	10.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	198.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.43				mg/L	1		Field Sampling	Total/NA
Specific Conductance	4261				umhos/cm	1		Field Sampling	Total/NA
Turbidity	32.41				NTU	1		Field Sampling	Total/NA

Client Sample ID: 70&D

Lab Sample ID: 500-266801-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.046		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00059	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.16		0.0025	0.00073	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 70&D (Continued)

Lab Sample ID: 500-266801-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	1.2	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	130		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00021	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	59		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.022		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	5.6		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0020	J	0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	180		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	170		20	8.4	mg/L	20		300.0	Total/NA
Sulfate	370		20	9.4	mg/L	20		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	300		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1200		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.30		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	14.92				ft	1		Field Sampling	Total/NA
Field pH	6.89				SU	1		Field Sampling	Total/NA
Field Temperature	11.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	62.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.72				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1695				umhos/cm	1		Field Sampling	Total/NA
Turbidity	15.10				NTU	1		Field Sampling	Total/NA

Client Sample ID: 70#S

Lab Sample ID: 500-266801-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.013		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.016		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.46	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.00018	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	190		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00022	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	77		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0025	J	0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	1.7		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	17		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	9.3		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	470		20	9.4	mg/L	20		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	330		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1000		10	4.3	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 70#S (Continued)

Lab Sample ID: 500-266801-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.13		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	10.25				ft	1		Field Sampling	Total/NA
Field pH	6.73				SU	1		Field Sampling	Total/NA
Field Temperature	10.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	112.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.79				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1216				umhos/cm	1		Field Sampling	Total/NA
Turbidity	21.62				NTU	1		Field Sampling	Total/NA

Client Sample ID: 71#S

Lab Sample ID: 500-266801-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0028	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00037	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.048		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.15	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	140		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	55		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	0.20	J	0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0012	J	0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	5.1		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	2.4		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	54		5.0	2.3	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	460		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	530		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.19		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	9.69				ft	1		Field Sampling	Total/NA
Field pH	6.45				SU	1		Field Sampling	Total/NA
Field Temperature	9.5				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	82.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.35				mg/L	1		Field Sampling	Total/NA
Specific Conductance	846				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.85				NTU	1		Field Sampling	Total/NA

Client Sample ID: 22

Lab Sample ID: 500-266801-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.048		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0026		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.13		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Beryllium	0.00078	J	0.0010	0.00053	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 22 (Continued)

Lab Sample ID: 500-266801-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.40		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	46		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.018		0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.0069		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.0047		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	29		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0038	J	0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	4.9		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	120		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	12		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	36		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	410		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	450		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.40		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	56.00				ft	1		Field Sampling	Total/NA
Field pH	7.20				SU	1		Field Sampling	Total/NA
Field Temperature	13.2				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-9.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.28				mg/L	1		Field Sampling	Total/NA
Specific Conductance	738				umhos/cm	1		Field Sampling	Total/NA
Turbidity	770.00				NTU	1		Field Sampling	Total/NA

Client Sample ID: 22_FD

Lab Sample ID: 500-266801-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.041		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0023		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.12		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Beryllium	0.00077	J	0.0010	0.00053	mg/L	1		6020B	Total Recoverable
Boron	0.38		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	44		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.016		0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.0060		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.0040		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	27		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0038	J	0.0050	0.0025	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 22_FD (Continued)

Lab Sample ID: 500-266801-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	4.5		0.50	0.11	mg/L	1		6020B	Total
									Recoverable
Sodium	120		0.20	0.077	mg/L	1		6020B	Total
									Recoverable
Chloride	15		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	36		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	400		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	420		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.41		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	56.00				ft	1		Field Sampling	Total/NA
Field pH	7.20				SU	1		Field Sampling	Total/NA
Field Temperature	13.2				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-9.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.28				mg/L	1		Field Sampling	Total/NA
Specific Conductance	738				umhos/cm	1		Field Sampling	Total/NA
Turbidity	770.00				NTU	1		Field Sampling	Total/NA

Client Sample ID: NED1

Lab Sample ID: 500-266801-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.18		0.025	0.010	mg/L	5		200.7 Rev 4.4	Total
									Recoverable
Arsenic	0.075		0.0010	0.00023	mg/L	1		6020B	Total
									Recoverable
Barium	0.048		0.0025	0.00073	mg/L	1		6020B	Total
									Recoverable
Boron	6.0		0.25	0.064	mg/L	5		6020B	Total
									Recoverable
Calcium	400	^5-	1.0	0.22	mg/L	5		6020B	Total
									Recoverable
Cobalt	0.00048	J	0.0010	0.00040	mg/L	1		6020B	Total
									Recoverable
Lead	0.00021	J	0.00050	0.00019	mg/L	1		6020B	Total
									Recoverable
Magnesium	41		0.20	0.049	mg/L	1		6020B	Total
									Recoverable
Molybdenum	0.022		0.0050	0.0025	mg/L	1		6020B	Total
									Recoverable
Potassium	16		0.50	0.11	mg/L	1		6020B	Total
									Recoverable
Sodium	42		0.20	0.077	mg/L	1		6020B	Total
									Recoverable
Chloride	11		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	1100		100	47	mg/L	100		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	150		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1900		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.17		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	3.41				ft	1		Field Sampling	Total/NA
Field pH	7.07				SU	1		Field Sampling	Total/NA
Field Temperature	10.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-152.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.04				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1791				umhos/cm	1		Field Sampling	Total/NA
Turbidity	5.91				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: XSG02

Lab Sample ID: 500-266801-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	596.3				ft	1		Field Sampling	Total/NA

Client Sample ID: XSG03

Lab Sample ID: 500-266801-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	593.2				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-4
SDG: VER_845_912

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, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Sample Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-4
SDG: VER_845_912

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-266801-1	10R	Water	04/14/25 15:25	04/15/25 12:15
500-266801-2	10R_FD	Water	04/14/25 15:40	04/15/25 12:15
500-266801-3	16A	Water	04/14/25 16:25	04/15/25 12:15
500-266801-4	FB	Water	04/15/25 08:40	04/15/25 12:15
500-266801-9	35&D	Water	04/15/25 08:35	04/16/25 12:36
500-266801-14	70&D	Water	04/15/25 11:05	04/16/25 12:36
500-266801-15	70#S	Water	04/15/25 11:40	04/16/25 12:36
500-266801-16	71#S	Water	04/15/25 12:40	04/16/25 12:36
500-266801-24	22	Water	04/16/25 13:05	04/17/25 11:45
500-266801-25	22_FD	Water	04/16/25 13:15	04/17/25 11:45
500-266801-30	NED1	Water	04/16/25 09:25	04/17/25 11:45
500-266801-31	XSG02	Water	04/14/25 10:06	04/15/25 07:39
500-266801-32	XSG03	Water	04/14/25 10:08	04/15/25 07:39



Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 10R

Lab Sample ID: 500-266801-1

Date Collected: 04/14/25 15:25

Matrix: Water

Date Received: 04/15/25 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.0050	0.0020	mg/L		04/16/25 08:25	04/17/25 00:23	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		04/16/25 08:21	04/18/25 14:06	1
Arsenic	0.0050		0.0010	0.00023	mg/L		04/16/25 08:21	04/18/25 14:06	1
Barium	0.12		0.0025	0.00073	mg/L		04/16/25 08:21	04/18/25 14:06	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/16/25 08:21	04/18/25 14:06	1
Boron	0.11		0.050	0.013	mg/L		04/16/25 08:21	04/21/25 14:42	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/16/25 08:21	04/18/25 14:06	1
Calcium	130		0.20	0.044	mg/L		04/16/25 08:21	04/18/25 14:06	1
Chromium	0.0019	J	0.0050	0.0011	mg/L		04/16/25 08:21	04/18/25 14:06	1
Cobalt	0.0037		0.0010	0.00040	mg/L		04/16/25 08:21	04/18/25 14:06	1
Lead	0.00094		0.00050	0.00019	mg/L		04/16/25 08:21	04/18/25 14:06	1
Magnesium	60		0.20	0.049	mg/L		04/16/25 08:21	04/18/25 14:06	1
Molybdenum	0.0095		0.0050	0.0025	mg/L		04/16/25 08:21	04/18/25 14:06	1
Potassium	5.6		0.50	0.11	mg/L		04/16/25 08:21	04/18/25 14:06	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/16/25 08:21	04/18/25 14:06	1
Sodium	14		0.20	0.077	mg/L		04/16/25 08:21	04/18/25 14:06	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/16/25 08:21	04/18/25 14:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/25/25 09:55	04/28/25 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	4.1		1.0	0.42	mg/L			04/16/25 21:43	1
Sulfate (EPA 300.0)	120		10	4.7	mg/L			04/16/25 21:55	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	440	B	5.0	3.7	mg/L			04/16/25 15:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/16/25 15:33	1
Total Dissolved Solids (SM 2540C)	680	B	10	4.3	mg/L			04/16/25 05:27	1
Fluoride (SM 4500 F C)	0.31		0.10	0.056	mg/L			04/22/25 14:18	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	51.38				ft			04/14/25 15:25	1
Field pH	7.07				SU			04/14/25 15:25	1
Field Temperature	13.7				Degrees C			04/14/25 15:25	1
Oxidation Reduction Potential	-92.4				millivolts			04/14/25 15:25	1
Oxygen, Dissolved	1.00				mg/L			04/14/25 15:25	1
Specific Conductance	900				umhos/cm			04/14/25 15:25	1
Turbidity	117.77				NTU			04/14/25 15:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 10R_FD

Lab Sample ID: 500-266801-2

Date Collected: 04/14/25 15:40

Matrix: Water

Date Received: 04/15/25 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.0050	0.0020	mg/L		04/16/25 08:25	04/17/25 00:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/16/25 08:21	04/18/25 14:09	1
Arsenic	0.0048		0.0010	0.00023	mg/L		04/16/25 08:21	04/18/25 14:09	1
Barium	0.12		0.0025	0.00073	mg/L		04/16/25 08:21	04/18/25 14:09	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/16/25 08:21	04/18/25 14:09	1
Boron	0.099		0.050	0.013	mg/L		04/16/25 08:21	04/21/25 14:44	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/16/25 08:21	04/18/25 14:09	1
Calcium	120		0.20	0.044	mg/L		04/16/25 08:21	04/18/25 14:09	1
Chromium	0.0013	J	0.0050	0.0011	mg/L		04/16/25 08:21	04/18/25 14:09	1
Cobalt	0.0028		0.0010	0.00040	mg/L		04/16/25 08:21	04/18/25 14:09	1
Lead	0.00065		0.00050	0.00019	mg/L		04/16/25 08:21	04/18/25 14:09	1
Magnesium	58		0.20	0.049	mg/L		04/16/25 08:21	04/18/25 14:09	1
Molybdenum	0.0086		0.0050	0.0025	mg/L		04/16/25 08:21	04/18/25 14:09	1
Potassium	5.2		0.50	0.11	mg/L		04/16/25 08:21	04/18/25 14:09	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/16/25 08:21	04/18/25 14:09	1
Sodium	13		0.20	0.077	mg/L		04/16/25 08:21	04/18/25 14:09	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/16/25 08:21	04/18/25 14:09	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		04/25/25 09:55	04/28/25 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	4.0		1.0	0.42	mg/L			04/16/25 22:07	1
Sulfate (EPA 300.0)	110		10	4.7	mg/L			04/16/25 22:19	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	440	B	5.0	3.7	mg/L			04/16/25 15:44	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/16/25 15:44	1
Total Dissolved Solids (SM 2540C)	650	B	10	4.3	mg/L			04/16/25 05:30	1
Fluoride (SM 4500 F C)	0.31		0.10	0.056	mg/L			04/22/25 14:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	51.38				ft			04/14/25 15:40	1
Field pH	7.07				SU			04/14/25 15:40	1
Field Temperature	13.7				Degrees C			04/14/25 15:40	1
Oxidation Reduction Potential	-92.4				millivolts			04/14/25 15:40	1
Oxygen, Dissolved	1.00				mg/L			04/14/25 15:40	1
Specific Conductance	900				umhos/cm			04/14/25 15:40	1
Turbidity	117.77				NTU			04/14/25 15:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 16A

Lab Sample ID: 500-266801-3

Date Collected: 04/14/25 16:25

Matrix: Water

Date Received: 04/15/25 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.032		0.0050	0.0020	mg/L		04/16/25 08:25	04/17/25 00:32	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		04/16/25 08:21	04/18/25 14:11	1
Arsenic	0.0011		0.0010	0.00023	mg/L		04/16/25 08:21	04/18/25 14:11	1
Barium	0.38		0.0025	0.00073	mg/L		04/16/25 08:21	04/18/25 14:11	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/16/25 08:21	04/18/25 14:11	1
Boron	0.67		0.050	0.013	mg/L		04/16/25 08:21	04/21/25 14:47	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/16/25 08:21	04/18/25 14:11	1
Calcium	73		0.20	0.044	mg/L		04/16/25 08:21	04/18/25 14:11	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/16/25 08:21	04/18/25 14:11	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/16/25 08:21	04/18/25 14:11	1
Lead	0.00077		0.00050	0.00019	mg/L		04/16/25 08:21	04/18/25 14:11	1
Magnesium	41		0.20	0.049	mg/L		04/16/25 08:21	04/18/25 14:11	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/16/25 08:21	04/18/25 14:11	1
Potassium	2.6		0.50	0.11	mg/L		04/16/25 08:21	04/18/25 14:11	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/16/25 08:21	04/18/25 14:11	1
Sodium	170		0.20	0.077	mg/L		04/16/25 08:21	04/18/25 14:11	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/16/25 08:21	04/18/25 14:11	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		04/25/25 09:55	04/28/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	87		10	4.2	mg/L			04/16/25 23:05	10
Sulfate (EPA 300.0)	86		10	4.7	mg/L			04/16/25 23:05	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	490	B	5.0	3.7	mg/L			04/16/25 15:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/16/25 15:55	1
Total Dissolved Solids (SM 2540C)	770	B	10	4.3	mg/L			04/16/25 05:33	1
Fluoride (SM 4500 F C)	0.67		0.10	0.056	mg/L			04/22/25 14:26	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	13.41				ft			04/14/25 16:25	1
Field pH	7.02				SU			04/14/25 16:25	1
Field Temperature	12.01				Degrees C			04/14/25 16:25	1
Oxidation Reduction Potential	-88.1				millivolts			04/14/25 16:25	1
Oxygen, Dissolved	0.44				mg/L			04/14/25 16:25	1
Specific Conductance	1303				umhos/cm			04/14/25 16:25	1
Turbidity	155.05				NTU			04/14/25 16:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: FB

Lab Sample ID: 500-266801-4

Date Collected: 04/15/25 08:40

Matrix: Water

Date Received: 04/15/25 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		04/16/25 08:25	04/17/25 00:36	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		04/16/25 08:21	04/18/25 14:14	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/16/25 08:21	04/18/25 14:14	1
Barium	<0.0025		0.0025	0.00073	mg/L		04/16/25 08:21	04/18/25 14:14	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/16/25 08:21	04/18/25 14:14	1
Boron	0.029	J	0.050	0.013	mg/L		04/16/25 08:21	04/21/25 14:49	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/16/25 08:21	04/18/25 14:14	1
Calcium	0.054	J	0.20	0.044	mg/L		04/16/25 08:21	04/18/25 14:14	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/16/25 08:21	04/18/25 14:14	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/16/25 08:21	04/18/25 14:14	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/16/25 08:21	04/18/25 14:14	1
Magnesium	<0.20		0.20	0.049	mg/L		04/16/25 08:21	04/18/25 14:14	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/16/25 08:21	04/18/25 14:14	1
Potassium	<0.50		0.50	0.11	mg/L		04/16/25 08:21	04/18/25 14:14	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/16/25 08:21	04/18/25 14:14	1
Sodium	0.18	J	0.20	0.077	mg/L		04/16/25 08:21	04/18/25 14:14	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/16/25 08:21	04/18/25 14:14	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		04/25/25 09:55	04/28/25 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	<1.0		1.0	0.42	mg/L			04/16/25 23:17	1
Sulfate (EPA 300.0)	<1.0		1.0	0.47	mg/L			04/16/25 23:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	5.4		5.0	3.7	mg/L			04/23/25 11:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/23/25 11:06	1
Total Dissolved Solids (SM 2540C)	34	B	10	4.3	mg/L			04/16/25 05:36	1
Fluoride (SM 4500 F C)	<0.10		0.10	0.056	mg/L			04/22/25 14:29	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 35&D

Lab Sample ID: 500-266801-9

Date Collected: 04/15/25 08:35

Matrix: Water

Date Received: 04/16/25 12:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.15		0.0050	0.0020	mg/L		04/18/25 08:27	04/22/25 03:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/17/25 07:52	04/22/25 14:34	1
Arsenic	0.00060	J	0.0010	0.00023	mg/L		04/17/25 07:52	04/22/25 14:34	1
Barium	0.023		0.0025	0.00073	mg/L		04/17/25 07:52	04/22/25 14:34	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/17/25 07:52	04/22/25 14:34	1
Boron	2.1	B	0.25	0.064	mg/L		04/17/25 07:52	04/22/25 18:48	5
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/17/25 07:52	04/22/25 14:34	1
Calcium	89		0.20	0.044	mg/L		04/17/25 07:52	04/22/25 14:34	1
Chromium	0.0016	J	0.0050	0.0011	mg/L		04/17/25 07:52	04/22/25 14:34	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/17/25 07:52	04/22/25 14:34	1
Lead	0.00038	J	0.00050	0.00019	mg/L		04/17/25 07:52	04/22/25 14:34	1
Magnesium	77		0.20	0.049	mg/L		04/17/25 07:52	04/22/25 14:34	1
Molybdenum	0.0054		0.0050	0.0025	mg/L		04/17/25 07:52	04/22/25 14:34	1
Potassium	8.2		0.50	0.11	mg/L		04/17/25 07:52	04/22/25 14:34	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/17/25 07:52	04/22/25 14:34	1
Sodium	1000		1.0	0.39	mg/L		04/17/25 07:52	04/22/25 18:48	5
Thallium	<0.0020		0.0020	0.00057	mg/L		04/17/25 07:52	04/22/25 14:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/25/25 09:55	04/28/25 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	450		50	21	mg/L			04/17/25 22:07	50
Sulfate (EPA 300.0)	1300		50	23	mg/L			04/17/25 22:07	50
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	640		5.0	3.7	mg/L			04/23/25 11:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/23/25 11:50	1
Total Dissolved Solids (SM 2540C)	3200		17	7.2	mg/L			04/19/25 21:42	1
Fluoride (SM 4500 F C)	0.78		0.10	0.056	mg/L			04/22/25 15:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	12.25				ft			04/15/25 08:35	1
Field pH	7.45				SU			04/15/25 08:35	1
Field Temperature	10.4				Degrees C			04/15/25 08:35	1
Oxidation Reduction Potential	198.9				millivolts			04/15/25 08:35	1
Oxygen, Dissolved	2.43				mg/L			04/15/25 08:35	1
Specific Conductance	4261				umhos/cm			04/15/25 08:35	1
Turbidity	32.41				NTU			04/15/25 08:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 70&D

Lab Sample ID: 500-266801-14

Date Collected: 04/15/25 11:05

Matrix: Water

Date Received: 04/16/25 12:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.046		0.0050	0.0020	mg/L		04/18/25 08:27	04/22/25 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/17/25 07:52	04/22/25 19:15	1
Arsenic	0.00059	J	0.0010	0.00023	mg/L		04/17/25 07:52	04/22/25 19:15	1
Barium	0.16		0.0025	0.00073	mg/L		04/17/25 07:52	04/22/25 19:15	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/17/25 07:52	04/22/25 19:15	1
Boron	1.2	B	0.050	0.013	mg/L		04/17/25 07:52	04/22/25 19:15	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/17/25 07:52	04/22/25 19:15	1
Calcium	130		0.20	0.044	mg/L		04/17/25 07:52	04/22/25 19:15	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/17/25 07:52	04/22/25 19:15	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/17/25 07:52	04/22/25 19:15	1
Lead	0.00021	J	0.00050	0.00019	mg/L		04/17/25 07:52	04/22/25 19:15	1
Magnesium	59		0.20	0.049	mg/L		04/17/25 07:52	04/22/25 19:15	1
Molybdenum	0.022		0.0050	0.0025	mg/L		04/17/25 07:52	04/22/25 19:15	1
Potassium	5.6		0.50	0.11	mg/L		04/17/25 07:52	04/22/25 19:15	1
Selenium	0.0020	J	0.0025	0.00098	mg/L		04/17/25 07:52	04/22/25 19:15	1
Sodium	180		0.20	0.077	mg/L		04/17/25 07:52	04/22/25 19:15	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/17/25 07:52	04/22/25 19:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/25/25 09:55	04/28/25 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	170		20	8.4	mg/L			04/17/25 10:42	20
Sulfate (EPA 300.0)	370		20	9.4	mg/L			04/17/25 10:42	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	300		5.0	3.7	mg/L			04/23/25 12:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/23/25 12:40	1
Total Dissolved Solids (SM 2540C)	1200		10	4.3	mg/L			04/19/25 22:00	1
Fluoride (SM 4500 F C)	0.30		0.10	0.056	mg/L			04/22/25 15:37	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	14.92				ft			04/15/25 11:05	1
Field pH	6.89				SU			04/15/25 11:05	1
Field Temperature	11.7				Degrees C			04/15/25 11:05	1
Oxidation Reduction Potential	62.0				millivolts			04/15/25 11:05	1
Oxygen, Dissolved	0.72				mg/L			04/15/25 11:05	1
Specific Conductance	1695				umhos/cm			04/15/25 11:05	1
Turbidity	15.10				NTU			04/15/25 11:05	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 70#S

Lab Sample ID: 500-266801-15

Date Collected: 04/15/25 11:40

Matrix: Water

Date Received: 04/16/25 12:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.0050	0.0020	mg/L		04/18/25 08:27	04/22/25 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/17/25 07:52	04/22/25 19:17	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/17/25 07:52	04/22/25 19:17	1
Barium	0.016		0.0025	0.00073	mg/L		04/17/25 07:52	04/22/25 19:17	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/17/25 07:52	04/22/25 19:17	1
Boron	0.46	B	0.050	0.013	mg/L		04/17/25 07:52	04/22/25 19:17	1
Cadmium	0.00018	J	0.00050	0.00017	mg/L		04/17/25 07:52	04/22/25 19:17	1
Calcium	190		0.20	0.044	mg/L		04/17/25 07:52	04/22/25 19:17	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/17/25 07:52	04/22/25 19:17	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/17/25 07:52	04/22/25 19:17	1
Lead	0.00022	J	0.00050	0.00019	mg/L		04/17/25 07:52	04/22/25 19:17	1
Magnesium	77		0.20	0.049	mg/L		04/17/25 07:52	04/22/25 19:17	1
Molybdenum	0.0025	J	0.0050	0.0025	mg/L		04/17/25 07:52	04/22/25 19:17	1
Potassium	1.7		0.50	0.11	mg/L		04/17/25 07:52	04/22/25 19:17	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/17/25 07:52	04/22/25 19:17	1
Sodium	17		0.20	0.077	mg/L		04/17/25 07:52	04/22/25 19:17	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/17/25 07:52	04/22/25 19:17	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		04/25/25 09:55	04/28/25 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	9.3		1.0	0.42	mg/L			04/17/25 10:54	1
Sulfate (EPA 300.0)	470		20	9.4	mg/L			04/17/25 11:06	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	330		5.0	3.7	mg/L			04/28/25 10:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/28/25 10:02	1
Total Dissolved Solids (SM 2540C)	1000		10	4.3	mg/L			04/19/25 22:06	1
Fluoride (SM 4500 F C)	0.13		0.10	0.056	mg/L			04/22/25 15:40	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	10.25				ft			04/15/25 11:40	1
Field pH	6.73				SU			04/15/25 11:40	1
Field Temperature	10.8				Degrees C			04/15/25 11:40	1
Oxidation Reduction Potential	112.9				millivolts			04/15/25 11:40	1
Oxygen, Dissolved	0.79				mg/L			04/15/25 11:40	1
Specific Conductance	1216				umhos/cm			04/15/25 11:40	1
Turbidity	21.62				NTU			04/15/25 11:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 71#S

Lab Sample ID: 500-266801-16

Date Collected: 04/15/25 12:40

Matrix: Water

Date Received: 04/16/25 12:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0028	J	0.0050	0.0020	mg/L		04/18/25 08:27	04/22/25 04:15	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		04/17/25 07:52	04/22/25 19:19	1
Arsenic	0.00037	J	0.0010	0.00023	mg/L		04/17/25 07:52	04/22/25 19:19	1
Barium	0.048		0.0025	0.00073	mg/L		04/17/25 07:52	04/22/25 19:19	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/17/25 07:52	04/22/25 19:19	1
Boron	0.15	B	0.050	0.013	mg/L		04/17/25 07:52	04/22/25 19:19	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/17/25 07:52	04/22/25 19:19	1
Calcium	140		0.20	0.044	mg/L		04/17/25 07:52	04/22/25 19:19	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/17/25 07:52	04/22/25 19:19	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/17/25 07:52	04/22/25 19:19	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/17/25 07:52	04/22/25 19:19	1
Magnesium	55		0.20	0.049	mg/L		04/17/25 07:52	04/22/25 19:19	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/17/25 07:52	04/22/25 19:19	1
Potassium	0.20	J	0.50	0.11	mg/L		04/17/25 07:52	04/22/25 19:19	1
Selenium	0.0012	J	0.0025	0.00098	mg/L		04/17/25 07:52	04/22/25 19:19	1
Sodium	5.1		0.20	0.077	mg/L		04/17/25 07:52	04/22/25 19:19	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/17/25 07:52	04/22/25 19:19	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		04/25/25 09:55	04/28/25 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	2.4		1.0	0.42	mg/L			04/17/25 11:17	1
Sulfate (EPA 300.0)	54		5.0	2.3	mg/L			04/17/25 11:29	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	460		5.0	3.7	mg/L			04/28/25 10:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/28/25 10:12	1
Total Dissolved Solids (SM 2540C)	530		10	4.3	mg/L			04/19/25 22:08	1
Fluoride (SM 4500 F C)	0.19		0.10	0.056	mg/L			04/22/25 15:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	9.69				ft			04/15/25 12:40	1
Field pH	6.45				SU			04/15/25 12:40	1
Field Temperature	9.5				Degrees C			04/15/25 12:40	1
Oxidation Reduction Potential	82.8				millivolts			04/15/25 12:40	1
Oxygen, Dissolved	0.35				mg/L			04/15/25 12:40	1
Specific Conductance	846				umhos/cm			04/15/25 12:40	1
Turbidity	2.85				NTU			04/15/25 12:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 22

Lab Sample ID: 500-266801-24

Date Collected: 04/16/25 13:05

Matrix: Water

Date Received: 04/17/25 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.048		0.0050	0.0020	mg/L		04/18/25 08:27	04/22/25 04:51	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		04/18/25 16:33	04/21/25 18:23	1
Arsenic	0.0026		0.0010	0.00023	mg/L		04/18/25 16:33	04/21/25 18:23	1
Barium	0.13		0.0025	0.00073	mg/L		04/18/25 16:33	04/21/25 18:23	1
Beryllium	0.00078	J	0.0010	0.00053	mg/L		04/18/25 16:33	04/21/25 18:23	1
Boron	0.40		0.050	0.013	mg/L		04/18/25 16:33	04/22/25 18:19	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/18/25 16:33	04/21/25 18:23	1
Calcium	46		0.20	0.044	mg/L		04/18/25 16:33	04/21/25 18:23	1
Chromium	0.018		0.0050	0.0011	mg/L		04/18/25 16:33	04/21/25 18:23	1
Cobalt	0.0069		0.0010	0.00040	mg/L		04/18/25 16:33	04/21/25 18:23	1
Lead	0.0047		0.00050	0.00019	mg/L		04/18/25 16:33	04/21/25 18:23	1
Magnesium	29		0.20	0.049	mg/L		04/18/25 16:33	04/21/25 18:23	1
Molybdenum	0.0038	J	0.0050	0.0025	mg/L		04/18/25 16:33	04/21/25 18:23	1
Potassium	4.9		0.50	0.11	mg/L		04/18/25 16:33	04/21/25 18:23	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/18/25 16:33	04/22/25 13:28	1
Sodium	120		0.20	0.077	mg/L		04/18/25 16:33	04/21/25 18:23	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/18/25 16:33	04/21/25 18:23	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		04/25/25 09:55	04/28/25 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	12		1.0	0.42	mg/L			04/19/25 18:48	1
Sulfate (EPA 300.0)	36		1.0	0.47	mg/L			04/19/25 18:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	410		5.0	3.7	mg/L			04/30/25 02:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/30/25 02:28	1
Total Dissolved Solids (SM 2540C)	450		10	4.3	mg/L			04/23/25 08:14	1
Fluoride (SM 4500 F C)	0.40		0.10	0.056	mg/L			04/22/25 16:21	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	56.00				ft			04/16/25 13:05	1
Field pH	7.20				SU			04/16/25 13:05	1
Field Temperature	13.2				Degrees C			04/16/25 13:05	1
Oxidation Reduction Potential	-9.7				millivolts			04/16/25 13:05	1
Oxygen, Dissolved	0.28				mg/L			04/16/25 13:05	1
Specific Conductance	738				umhos/cm			04/16/25 13:05	1
Turbidity	770.00				NTU			04/16/25 13:05	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 22_FD

Lab Sample ID: 500-266801-25

Date Collected: 04/16/25 13:15

Matrix: Water

Date Received: 04/17/25 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.041		0.0050	0.0020	mg/L		04/18/25 08:30	04/22/25 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/18/25 16:33	04/21/25 18:25	1
Arsenic	0.0023		0.0010	0.00023	mg/L		04/18/25 16:33	04/21/25 18:25	1
Barium	0.12		0.0025	0.00073	mg/L		04/18/25 16:33	04/21/25 18:25	1
Beryllium	0.00077	J	0.0010	0.00053	mg/L		04/18/25 16:33	04/21/25 18:25	1
Boron	0.38		0.050	0.013	mg/L		04/18/25 16:33	04/22/25 18:21	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/18/25 16:33	04/21/25 18:25	1
Calcium	44		0.20	0.044	mg/L		04/18/25 16:33	04/21/25 18:25	1
Chromium	0.016		0.0050	0.0011	mg/L		04/18/25 16:33	04/21/25 18:25	1
Cobalt	0.0060		0.0010	0.00040	mg/L		04/18/25 16:33	04/21/25 18:25	1
Lead	0.0040		0.00050	0.00019	mg/L		04/18/25 16:33	04/21/25 18:25	1
Magnesium	27		0.20	0.049	mg/L		04/18/25 16:33	04/21/25 18:25	1
Molybdenum	0.0038	J	0.0050	0.0025	mg/L		04/18/25 16:33	04/21/25 18:25	1
Potassium	4.5		0.50	0.11	mg/L		04/18/25 16:33	04/21/25 18:25	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/18/25 16:33	04/22/25 13:30	1
Sodium	120		0.20	0.077	mg/L		04/18/25 16:33	04/21/25 18:25	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/18/25 16:33	04/21/25 18:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/25/25 09:55	04/28/25 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	15		1.0	0.42	mg/L			04/19/25 13:22	1
Sulfate (EPA 300.0)	36		1.0	0.47	mg/L			04/19/25 13:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	400		5.0	3.7	mg/L			04/30/25 02:39	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/30/25 02:39	1
Total Dissolved Solids (SM 2540C)	420		10	4.3	mg/L			04/23/25 08:16	1
Fluoride (SM 4500 F C)	0.41		0.10	0.056	mg/L			04/22/25 16:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	56.00				ft			04/16/25 13:15	1
Field pH	7.20				SU			04/16/25 13:15	1
Field Temperature	13.2				Degrees C			04/16/25 13:15	1
Oxidation Reduction Potential	-9.7				millivolts			04/16/25 13:15	1
Oxygen, Dissolved	0.28				mg/L			04/16/25 13:15	1
Specific Conductance	738				umhos/cm			04/16/25 13:15	1
Turbidity	770.00				NTU			04/16/25 13:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: NED1

Lab Sample ID: 500-266801-30

Date Collected: 04/16/25 09:25

Matrix: Water

Date Received: 04/17/25 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.18		0.025	0.010	mg/L		04/18/25 08:30	04/24/25 12:20	5

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		04/21/25 16:23	04/22/25 19:40	1
Arsenic	0.075		0.0010	0.00023	mg/L		04/21/25 16:23	04/22/25 19:40	1
Barium	0.048		0.0025	0.00073	mg/L		04/21/25 16:23	04/22/25 19:40	1
Beryllium	<0.0010	^1+	0.0010	0.00053	mg/L		04/21/25 16:23	04/22/25 19:40	1
Boron	6.0		0.25	0.064	mg/L		04/21/25 16:23	04/23/25 14:09	5
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/21/25 16:23	04/22/25 19:40	1
Calcium	400	^5-	1.0	0.22	mg/L		04/21/25 16:23	04/23/25 14:09	5
Chromium	<0.0050		0.0050	0.0011	mg/L		04/21/25 16:23	04/22/25 19:40	1
Cobalt	0.00048	J	0.0010	0.00040	mg/L		04/21/25 16:23	04/22/25 19:40	1
Lead	0.00021	J	0.00050	0.00019	mg/L		04/21/25 16:23	04/22/25 19:40	1
Magnesium	41		0.20	0.049	mg/L		04/21/25 16:23	04/22/25 19:40	1
Molybdenum	0.022		0.0050	0.0025	mg/L		04/21/25 16:23	04/22/25 19:40	1
Potassium	16		0.50	0.11	mg/L		04/21/25 16:23	04/22/25 19:40	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/21/25 16:23	04/22/25 19:40	1
Sodium	42		0.20	0.077	mg/L		04/21/25 16:23	04/22/25 19:40	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/21/25 16:23	04/22/25 19:40	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		04/25/25 09:55	04/28/25 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	11		1.0	0.42	mg/L			04/19/25 16:41	1
Sulfate (EPA 300.0)	1100		100	47	mg/L			04/19/25 16:56	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	150		5.0	3.7	mg/L			04/30/25 03:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/30/25 03:21	1
Total Dissolved Solids (SM 2540C)	1900		10	4.3	mg/L			04/23/25 08:27	1
Fluoride (SM 4500 F C)	0.17		0.10	0.056	mg/L			04/22/25 17:02	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	3.41				ft			04/16/25 09:25	1
Field pH	7.07				SU			04/16/25 09:25	1
Field Temperature	10.8				Degrees C			04/16/25 09:25	1
Oxidation Reduction Potential	-152.0				millivolts			04/16/25 09:25	1
Oxygen, Dissolved	0.04				mg/L			04/16/25 09:25	1
Specific Conductance	1791				umhos/cm			04/16/25 09:25	1
Turbidity	5.91				NTU			04/16/25 09:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: XSG02
Date Collected: 04/14/25 10:06
Date Received: 04/15/25 07:39

Lab Sample ID: 500-266801-31
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)	596.3				ft			04/14/25 10:06	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: XSG03
Date Collected: 04/14/25 10:08
Date Received: 04/15/25 07:39

Lab Sample ID: 500-266801-32
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)	593.2				ft			04/14/25 10:08	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-4
SDG: VER_845_912

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
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
B	Compound was found in the blank and sample.

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-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Metals

Prep Batch: 813856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total Recoverable	Water	3005A	
500-266801-2	10R_FD	Total Recoverable	Water	3005A	
500-266801-3	16A	Total Recoverable	Water	3005A	
500-266801-4	FB	Total Recoverable	Water	3005A	
MB 500-813856/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-813856/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 813858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total Recoverable	Water	200.7	
500-266801-2	10R_FD	Total Recoverable	Water	200.7	
500-266801-3	16A	Total Recoverable	Water	200.7	
500-266801-4	FB	Total Recoverable	Water	200.7	
MB 500-813858/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-813858/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 814037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-9	35&D	Total Recoverable	Water	3005A	
500-266801-14	70&D	Total Recoverable	Water	3005A	
500-266801-15	70#S	Total Recoverable	Water	3005A	
500-266801-16	71#S	Total Recoverable	Water	3005A	
MB 500-814037/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-814037/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 814061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total Recoverable	Water	200.7 Rev 4.4	813858
500-266801-2	10R_FD	Total Recoverable	Water	200.7 Rev 4.4	813858
500-266801-3	16A	Total Recoverable	Water	200.7 Rev 4.4	813858
500-266801-4	FB	Total Recoverable	Water	200.7 Rev 4.4	813858
MB 500-813858/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	813858
LCS 500-813858/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	813858

Prep Batch: 814223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-9	35&D	Total Recoverable	Water	200.7	
500-266801-14	70&D	Total Recoverable	Water	200.7	
500-266801-15	70#S	Total Recoverable	Water	200.7	
500-266801-16	71#S	Total Recoverable	Water	200.7	
500-266801-24	22	Total Recoverable	Water	200.7	
MB 500-814223/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-814223/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 814225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-25	22_FD	Total Recoverable	Water	200.7	
500-266801-30	NED1	Total Recoverable	Water	200.7	
MB 500-814225/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-814225/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Metals

Prep Batch: 814339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-24	22	Total Recoverable	Water	3005A	
500-266801-25	22_FD	Total Recoverable	Water	3005A	
MB 500-814339/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-814339/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 814433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total Recoverable	Water	6020B	813856
500-266801-2	10R_FD	Total Recoverable	Water	6020B	813856
500-266801-3	16A	Total Recoverable	Water	6020B	813856
500-266801-4	FB	Total Recoverable	Water	6020B	813856
MB 500-813856/1-A	Method Blank	Total Recoverable	Water	6020B	813856
LCS 500-813856/2-A	Lab Control Sample	Total Recoverable	Water	6020B	813856

Prep Batch: 814540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-30	NED1	Total Recoverable	Water	3005A	
MB 500-814540/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-814540/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 814582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total Recoverable	Water	6020B	813856
500-266801-2	10R_FD	Total Recoverable	Water	6020B	813856
500-266801-3	16A	Total Recoverable	Water	6020B	813856
500-266801-4	FB	Total Recoverable	Water	6020B	813856
500-266801-24	22	Total Recoverable	Water	6020B	814339
500-266801-25	22_FD	Total Recoverable	Water	6020B	814339
MB 500-813856/1-A	Method Blank	Total Recoverable	Water	6020B	813856
MB 500-814339/1-A	Method Blank	Total Recoverable	Water	6020B	814339
LCS 500-813856/2-A	Lab Control Sample	Total Recoverable	Water	6020B	813856
LCS 500-814339/2-A	Lab Control Sample	Total Recoverable	Water	6020B	814339

Analysis Batch: 814616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-9	35&D	Total Recoverable	Water	200.7 Rev 4.4	814223
500-266801-14	70&D	Total Recoverable	Water	200.7 Rev 4.4	814223
500-266801-15	70#S	Total Recoverable	Water	200.7 Rev 4.4	814223
500-266801-16	71#S	Total Recoverable	Water	200.7 Rev 4.4	814223
500-266801-24	22	Total Recoverable	Water	200.7 Rev 4.4	814223
MB 500-814223/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	814223
LCS 500-814223/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	814223

Analysis Batch: 814718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-9	35&D	Total Recoverable	Water	6020B	814037
500-266801-24	22	Total Recoverable	Water	6020B	814339
500-266801-25	22_FD	Total Recoverable	Water	6020B	814339
MB 500-814037/1-A	Method Blank	Total Recoverable	Water	6020B	814037
MB 500-814339/1-A	Method Blank	Total Recoverable	Water	6020B	814339
LCS 500-814037/2-A	Lab Control Sample	Total Recoverable	Water	6020B	814037

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Metals (Continued)

Analysis Batch: 814718 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-814339/2-A	Lab Control Sample	Total Recoverable	Water	6020B	814339

Analysis Batch: 814767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-30	NED1	Total Recoverable	Water	6020B	814540
MB 500-814540/1-A	Method Blank	Total Recoverable	Water	6020B	814540
LCS 500-814540/2-A	Lab Control Sample	Total Recoverable	Water	6020B	814540

Analysis Batch: 814768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-9	35&D	Total Recoverable	Water	6020B	814037
500-266801-14	70&D	Total Recoverable	Water	6020B	814037
500-266801-15	70#S	Total Recoverable	Water	6020B	814037
500-266801-16	71#S	Total Recoverable	Water	6020B	814037
500-266801-24	22	Total Recoverable	Water	6020B	814339
500-266801-25	22_FD	Total Recoverable	Water	6020B	814339
MB 500-814037/1-A	Method Blank	Total Recoverable	Water	6020B	814037
MB 500-814339/1-A	Method Blank	Total Recoverable	Water	6020B	814339
LCS 500-814037/2-A	Lab Control Sample	Total Recoverable	Water	6020B	814037
LCS 500-814339/2-A	Lab Control Sample	Total Recoverable	Water	6020B	814339

Analysis Batch: 814791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-25	22_FD	Total Recoverable	Water	200.7 Rev 4.4	814225
MB 500-814225/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	814225
LCS 500-814225/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	814225

Analysis Batch: 815016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-30	NED1	Total Recoverable	Water	6020B	814540

Analysis Batch: 815176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-30	NED1	Total Recoverable	Water	200.7 Rev 4.4	814225

Prep Batch: 815204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	7470A	
500-266801-2	10R_FD	Total/NA	Water	7470A	
500-266801-3	16A	Total/NA	Water	7470A	
500-266801-4	FB	Total/NA	Water	7470A	
MB 500-815204/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-815204/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 815206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-9	35&D	Total/NA	Water	7470A	
500-266801-14	70&D	Total/NA	Water	7470A	
500-266801-15	70#S	Total/NA	Water	7470A	
500-266801-16	71#S	Total/NA	Water	7470A	
500-266801-24	22	Total/NA	Water	7470A	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Metals (Continued)

Prep Batch: 815206 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-815206/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-815206/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 815209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-25	22_FD	Total/NA	Water	7470A	
500-266801-30	NED1	Total/NA	Water	7470A	
MB 500-815209/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-815209/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 815416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	7470A	815204
500-266801-2	10R_FD	Total/NA	Water	7470A	815204
500-266801-3	16A	Total/NA	Water	7470A	815204
500-266801-4	FB	Total/NA	Water	7470A	815204
500-266801-9	35&D	Total/NA	Water	7470A	815206
500-266801-14	70&D	Total/NA	Water	7470A	815206
500-266801-15	70#S	Total/NA	Water	7470A	815206
500-266801-16	71#S	Total/NA	Water	7470A	815206
500-266801-24	22	Total/NA	Water	7470A	815206
500-266801-25	22_FD	Total/NA	Water	7470A	815209
500-266801-30	NED1	Total/NA	Water	7470A	815209
MB 500-815204/12-A	Method Blank	Total/NA	Water	7470A	815204
MB 500-815206/12-A	Method Blank	Total/NA	Water	7470A	815206
MB 500-815209/12-A	Method Blank	Total/NA	Water	7470A	815209
LCS 500-815204/13-A	Lab Control Sample	Total/NA	Water	7470A	815204
LCS 500-815206/13-A	Lab Control Sample	Total/NA	Water	7470A	815206
LCS 500-815209/13-A	Lab Control Sample	Total/NA	Water	7470A	815209

General Chemistry

Analysis Batch: 813829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	SM 2540C	
500-266801-2	10R_FD	Total/NA	Water	SM 2540C	
500-266801-3	16A	Total/NA	Water	SM 2540C	
500-266801-4	FB	Total/NA	Water	SM 2540C	
MB 500-813829/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-813829/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 813898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	300.0	
500-266801-1	10R	Total/NA	Water	300.0	
500-266801-2	10R_FD	Total/NA	Water	300.0	
500-266801-2	10R_FD	Total/NA	Water	300.0	
500-266801-3	16A	Total/NA	Water	300.0	
500-266801-4	FB	Total/NA	Water	300.0	
MB 500-813898/3	Method Blank	Total/NA	Water	300.0	
LCS 500-813898/4	Lab Control Sample	Total/NA	Water	300.0	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

General Chemistry

Analysis Batch: 814049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-14	70&D	Total/NA	Water	300.0	
500-266801-15	70#S	Total/NA	Water	300.0	
500-266801-15	70#S	Total/NA	Water	300.0	
500-266801-16	71#S	Total/NA	Water	300.0	
500-266801-16	71#S	Total/NA	Water	300.0	
MB 500-814049/3	Method Blank	Total/NA	Water	300.0	
LCS 500-814049/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 814052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-9	35&D	Total/NA	Water	300.0	
MB 500-814052/3	Method Blank	Total/NA	Water	300.0	
LCS 500-814052/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 814068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	SM 2320B	
500-266801-2	10R_FD	Total/NA	Water	SM 2320B	
500-266801-3	16A	Total/NA	Water	SM 2320B	
MB 500-814068/3	Method Blank	Total/NA	Water	SM 2320B	
MB 500-814068/30	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-814068/31	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-814068/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 814236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-24	22	Total/NA	Water	300.0	
MB 500-814236/3	Method Blank	Total/NA	Water	300.0	
LCS 500-814236/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 814357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-25	22_FD	Total/NA	Water	300.0	
500-266801-30	NED1	Total/NA	Water	300.0	
500-266801-30	NED1	Total/NA	Water	300.0	
MB 500-814357/3	Method Blank	Total/NA	Water	300.0	
LCS 500-814357/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 814371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-9	35&D	Total/NA	Water	SM 2540C	
500-266801-14	70&D	Total/NA	Water	SM 2540C	
500-266801-15	70#S	Total/NA	Water	SM 2540C	
500-266801-16	71#S	Total/NA	Water	SM 2540C	
MB 500-814371/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-814371/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-266801-14 DU	70&D	Total/NA	Water	SM 2540C	

Analysis Batch: 814732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	SM 4500 F C	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

General Chemistry (Continued)

Analysis Batch: 814732 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-2	10R_FD	Total/NA	Water	SM 4500 F C	
500-266801-3	16A	Total/NA	Water	SM 4500 F C	
500-266801-4	FB	Total/NA	Water	SM 4500 F C	
500-266801-9	35&D	Total/NA	Water	SM 4500 F C	
500-266801-14	70&D	Total/NA	Water	SM 4500 F C	
500-266801-15	70#S	Total/NA	Water	SM 4500 F C	
500-266801-16	71#S	Total/NA	Water	SM 4500 F C	
500-266801-24	22	Total/NA	Water	SM 4500 F C	
500-266801-25	22_FD	Total/NA	Water	SM 4500 F C	
500-266801-30	NED1	Total/NA	Water	SM 4500 F C	
MB 500-814732/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-814732/31	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-814732/61	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-814732/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-814732/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-814732/62	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 814948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-4	FB	Total/NA	Water	SM 2320B	
500-266801-9	35&D	Total/NA	Water	SM 2320B	
500-266801-14	70&D	Total/NA	Water	SM 2320B	
MB 500-814948/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-814948/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-266801-4 DU	FB	Total/NA	Water	SM 2320B	

Analysis Batch: 815049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-24	22	Total/NA	Water	SM 2540C	
500-266801-25	22_FD	Total/NA	Water	SM 2540C	
500-266801-30	NED1	Total/NA	Water	SM 2540C	
MB 500-815049/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-815049/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 815522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-15	70#S	Total/NA	Water	SM 2320B	
500-266801-16	71#S	Total/NA	Water	SM 2320B	
MB 500-815522/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-815522/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 815692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-24	22	Total/NA	Water	SM 2320B	
500-266801-25	22_FD	Total/NA	Water	SM 2320B	
500-266801-30	NED1	Total/NA	Water	SM 2320B	
MB 500-815692/53	Method Blank	Total/NA	Water	SM 2320B	
MB 500-815692/78	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-815692/54	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-815692/80	Lab Control Sample	Total/NA	Water	SM 2320B	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

General Chemistry

Analysis Batch: 815809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-815809/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-815809/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 815582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	Field Sampling	
500-266801-2	10R_FD	Total/NA	Water	Field Sampling	
500-266801-3	16A	Total/NA	Water	Field Sampling	
500-266801-9	35&D	Total/NA	Water	Field Sampling	
500-266801-14	70&D	Total/NA	Water	Field Sampling	
500-266801-15	70#S	Total/NA	Water	Field Sampling	
500-266801-16	71#S	Total/NA	Water	Field Sampling	
500-266801-24	22	Total/NA	Water	Field Sampling	
500-266801-25	22_FD	Total/NA	Water	Field Sampling	
500-266801-30	NED1	Total/NA	Water	Field Sampling	
500-266801-31	XSG02	Total/NA	Water	Field Sampling	
500-266801-32	XSG03	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-813858/1-A

Matrix: Water

Analysis Batch: 814061

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 813858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		04/16/25 08:25	04/16/25 23:56	1

Lab Sample ID: LCS 500-813858/2-A

Matrix: Water

Analysis Batch: 814061

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 813858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.243		mg/L		97	85 - 115

Lab Sample ID: MB 500-814223/1-A

Matrix: Water

Analysis Batch: 814616

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 814223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		04/18/25 08:27	04/22/25 02:26	1

Lab Sample ID: LCS 500-814223/2-A

Matrix: Water

Analysis Batch: 814616

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.248		mg/L		99	85 - 115

Lab Sample ID: MB 500-814225/1-A

Matrix: Water

Analysis Batch: 814791

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 814225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		04/18/25 08:30	04/22/25 20:04	1

Lab Sample ID: LCS 500-814225/2-A

Matrix: Water

Analysis Batch: 814791

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.228		mg/L		91	85 - 115

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-813856/1-A

Matrix: Water

Analysis Batch: 814433

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 813856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/16/25 08:21	04/18/25 14:02	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/16/25 08:21	04/18/25 14:02	1
Barium	<0.0025		0.0025	0.00073	mg/L		04/16/25 08:21	04/18/25 14:02	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/16/25 08:21	04/18/25 14:02	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/16/25 08:21	04/18/25 14:02	1
Calcium	<0.20		0.20	0.044	mg/L		04/16/25 08:21	04/18/25 14:02	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

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

Lab Sample ID: MB 500-813856/1-A

Matrix: Water

Analysis Batch: 814433

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 813856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.0050		0.0050	0.0011	mg/L		04/16/25 08:21	04/18/25 14:02	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/16/25 08:21	04/18/25 14:02	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/16/25 08:21	04/18/25 14:02	1
Magnesium	<0.20		0.20	0.049	mg/L		04/16/25 08:21	04/18/25 14:02	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/16/25 08:21	04/18/25 14:02	1
Potassium	<0.50		0.50	0.11	mg/L		04/16/25 08:21	04/18/25 14:02	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/16/25 08:21	04/18/25 14:02	1
Sodium	<0.20		0.20	0.077	mg/L		04/16/25 08:21	04/18/25 14:02	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/16/25 08:21	04/18/25 14:02	1

Lab Sample ID: MB 500-813856/1-A

Matrix: Water

Analysis Batch: 814582

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 813856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050	0.013	mg/L		04/16/25 08:21	04/21/25 14:37	1

Lab Sample ID: LCS 500-813856/2-A

Matrix: Water

Analysis Batch: 814433

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 813856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Antimony	0.500	0.525		mg/L		105	80 - 120	
Arsenic	0.100	0.0962		mg/L		96	80 - 120	
Barium	0.500	0.505		mg/L		101	80 - 120	
Beryllium	0.0500	0.0525		mg/L		105	80 - 120	
Cadmium	0.0500	0.0500		mg/L		100	80 - 120	
Calcium	10.0	8.97		mg/L		90	80 - 120	
Chromium	0.200	0.200		mg/L		100	80 - 120	
Cobalt	0.500	0.525		mg/L		105	80 - 120	
Lead	0.100	0.101		mg/L		101	80 - 120	
Magnesium	10.0	10.8		mg/L		108	80 - 120	
Molybdenum	1.00	1.00		mg/L		100	80 - 120	
Potassium	10.0	10.5		mg/L		105	80 - 120	
Selenium	0.100	0.0981		mg/L		98	80 - 120	
Sodium	10.0	10.5		mg/L		105	80 - 120	
Thallium	0.100	0.0992		mg/L		99	80 - 120	

Lab Sample ID: LCS 500-813856/2-A

Matrix: Water

Analysis Batch: 814582

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 813856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Boron	1.00	1.01		mg/L		101	80 - 120	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

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

Lab Sample ID: MB 500-814037/1-A

Matrix: Water

Analysis Batch: 814718

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 814037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/17/25 07:52	04/22/25 13:37	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/17/25 07:52	04/22/25 13:37	1
Barium	<0.0025		0.0025	0.00073	mg/L		04/17/25 07:52	04/22/25 13:37	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/17/25 07:52	04/22/25 13:37	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/17/25 07:52	04/22/25 13:37	1
Calcium	<0.20		0.20	0.044	mg/L		04/17/25 07:52	04/22/25 13:37	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/17/25 07:52	04/22/25 13:37	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/17/25 07:52	04/22/25 13:37	1
Magnesium	<0.20		0.20	0.049	mg/L		04/17/25 07:52	04/22/25 13:37	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/17/25 07:52	04/22/25 13:37	1
Potassium	<0.50		0.50	0.11	mg/L		04/17/25 07:52	04/22/25 13:37	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/17/25 07:52	04/22/25 13:37	1
Sodium	<0.20		0.20	0.077	mg/L		04/17/25 07:52	04/22/25 13:37	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/17/25 07:52	04/22/25 13:37	1

Lab Sample ID: MB 500-814037/1-A

Matrix: Water

Analysis Batch: 814768

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 814037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0351	J	0.050	0.013	mg/L		04/17/25 07:52	04/22/25 18:33	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/17/25 07:52	04/22/25 18:33	1

Lab Sample ID: LCS 500-814037/2-A

Matrix: Water

Analysis Batch: 814718

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.523		mg/L		105	80 - 120
Arsenic	0.100	0.0983		mg/L		98	80 - 120
Barium	0.500	0.509		mg/L		102	80 - 120
Beryllium	0.0500	0.0523		mg/L		105	80 - 120
Cadmium	0.0500	0.0509		mg/L		102	80 - 120
Calcium	10.0	9.19		mg/L		92	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Magnesium	10.0	10.7		mg/L		107	80 - 120
Molybdenum	1.00	1.00		mg/L		100	80 - 120
Potassium	10.0	10.7		mg/L		107	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Sodium	10.0	10.5		mg/L		105	80 - 120
Thallium	0.100	0.0986		mg/L		99	80 - 120

Lab Sample ID: LCS 500-814037/2-A

Matrix: Water

Analysis Batch: 814768

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.01		mg/L		101	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

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

Lab Sample ID: LCS 500-814037/2-A

Matrix: Water

Analysis Batch: 814768

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.500	0.521		mg/L		104	80 - 120

Lab Sample ID: MB 500-814339/1-A

Matrix: Water

Analysis Batch: 814582

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 814339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/18/25 16:33	04/21/25 16:51	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/18/25 16:33	04/21/25 16:51	1
Barium	<0.0025		0.0025	0.00073	mg/L		04/18/25 16:33	04/21/25 16:51	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/18/25 16:33	04/21/25 16:51	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/18/25 16:33	04/21/25 16:51	1
Calcium	<0.20		0.20	0.044	mg/L		04/18/25 16:33	04/21/25 16:51	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/18/25 16:33	04/21/25 16:51	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/18/25 16:33	04/21/25 16:51	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/18/25 16:33	04/21/25 16:51	1
Magnesium	<0.20		0.20	0.049	mg/L		04/18/25 16:33	04/21/25 16:51	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/18/25 16:33	04/21/25 16:51	1
Potassium	<0.50		0.50	0.11	mg/L		04/18/25 16:33	04/21/25 16:51	1
Sodium	<0.20		0.20	0.077	mg/L		04/18/25 16:33	04/21/25 16:51	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/18/25 16:33	04/21/25 16:51	1

Lab Sample ID: MB 500-814339/1-A

Matrix: Water

Analysis Batch: 814718

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 814339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0025		0.0025	0.00098	mg/L		04/18/25 16:33	04/22/25 12:38	1

Lab Sample ID: MB 500-814339/1-A

Matrix: Water

Analysis Batch: 814768

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 814339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050	0.013	mg/L		04/18/25 16:33	04/22/25 17:40	1

Lab Sample ID: LCS 500-814339/2-A

Matrix: Water

Analysis Batch: 814582

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.509		mg/L		102	80 - 120
Arsenic	0.100	0.0906		mg/L		91	80 - 120
Barium	0.500	0.470		mg/L		94	80 - 120
Beryllium	0.0500	0.0536		mg/L		107	80 - 120
Cadmium	0.0500	0.0494		mg/L		99	80 - 120
Calcium	10.0	8.72		mg/L		87	80 - 120
Chromium	0.200	0.201		mg/L		101	80 - 120
Cobalt	0.500	0.544		mg/L		109	80 - 120
Lead	0.100	0.0983		mg/L		98	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

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

Lab Sample ID: LCS 500-814339/2-A

Matrix: Water

Analysis Batch: 814582

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	10.0	10.7		mg/L		107	80 - 120
Molybdenum	1.00	0.982		mg/L		98	80 - 120
Potassium	10.0	10.3		mg/L		103	80 - 120
Sodium	10.0	10.6		mg/L		106	80 - 120
Thallium	0.100	0.0971		mg/L		97	80 - 120

Lab Sample ID: LCS 500-814339/2-A

Matrix: Water

Analysis Batch: 814718

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.0989		mg/L		99	80 - 120

Lab Sample ID: LCS 500-814339/2-A

Matrix: Water

Analysis Batch: 814768

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.958		mg/L		96	80 - 120

Lab Sample ID: MB 500-814540/1-A

Matrix: Water

Analysis Batch: 814767

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 814540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/21/25 16:23	04/22/25 18:32	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/21/25 16:23	04/22/25 18:32	1
Barium	<0.0025		0.0025	0.00073	mg/L		04/21/25 16:23	04/22/25 18:32	1
Beryllium	<0.0010	^1+	0.0010	0.00053	mg/L		04/21/25 16:23	04/22/25 18:32	1
Boron	<0.050		0.050	0.013	mg/L		04/21/25 16:23	04/22/25 18:32	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/21/25 16:23	04/22/25 18:32	1
Calcium	<0.20		0.20	0.044	mg/L		04/21/25 16:23	04/22/25 18:32	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/21/25 16:23	04/22/25 18:32	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/21/25 16:23	04/22/25 18:32	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/21/25 16:23	04/22/25 18:32	1
Magnesium	<0.20		0.20	0.049	mg/L		04/21/25 16:23	04/22/25 18:32	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/21/25 16:23	04/22/25 18:32	1
Potassium	<0.50		0.50	0.11	mg/L		04/21/25 16:23	04/22/25 18:32	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/21/25 16:23	04/22/25 18:32	1
Sodium	<0.20		0.20	0.077	mg/L		04/21/25 16:23	04/22/25 18:32	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/21/25 16:23	04/22/25 18:32	1

Lab Sample ID: LCS 500-814540/2-A

Matrix: Water

Analysis Batch: 814767

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.505		mg/L		101	80 - 120
Arsenic	0.100	0.0967		mg/L		97	80 - 120
Barium	0.500	0.499		mg/L		100	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

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

Lab Sample ID: LCS 500-814540/2-A

Matrix: Water

Analysis Batch: 814767

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 814540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0489	^1+	mg/L		98	80 - 120
Boron	1.00	0.979		mg/L		98	80 - 120
Cadmium	0.0500	0.0499		mg/L		100	80 - 120
Calcium	10.0	8.35		mg/L		84	80 - 120
Chromium	0.200	0.190		mg/L		95	80 - 120
Cobalt	0.500	0.513		mg/L		103	80 - 120
Lead	0.100	0.0997		mg/L		100	80 - 120
Magnesium	10.0	10.5		mg/L		105	80 - 120
Molybdenum	1.00	0.982		mg/L		98	80 - 120
Potassium	10.0	10.4		mg/L		104	80 - 120
Selenium	0.100	0.0970		mg/L		97	80 - 120
Sodium	10.0	10.3		mg/L		103	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-815204/12-A

Matrix: Water

Analysis Batch: 815416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/25/25 09:55	04/28/25 08:07	1

Lab Sample ID: LCS 500-815204/13-A

Matrix: Water

Analysis Batch: 815416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00188		mg/L		94	80 - 120

Lab Sample ID: MB 500-815206/12-A

Matrix: Water

Analysis Batch: 815416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/25/25 09:55	04/28/25 09:08	1

Lab Sample ID: LCS 500-815206/13-A

Matrix: Water

Analysis Batch: 815416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00186		mg/L		93	80 - 120

Lab Sample ID: MB 500-815209/12-A

Matrix: Water

Analysis Batch: 815416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/25/25 09:55	04/28/25 10:17	1

Eurofins Chicago

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

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

Lab Sample ID: LCS 500-815209/13-A
Matrix: Water
Analysis Batch: 815416Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 815209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00191		mg/L		96	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-813898/3
Matrix: Water
Analysis Batch: 813898Client 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	0.42	mg/L			04/16/25 20:34	1
Sulfate	<1.0		1.0	0.47	mg/L			04/16/25 20:34	1

Lab Sample ID: LCS 500-813898/4
Matrix: Water
Analysis Batch: 813898Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.9		mg/L		105	90 - 110
Sulfate	20.0	21.4		mg/L		107	90 - 110

Lab Sample ID: MB 500-814049/3
Matrix: Water
Analysis Batch: 814049Client 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	0.42	mg/L			04/17/25 10:08	1
Sulfate	<1.0		1.0	0.47	mg/L			04/17/25 10:08	1

Lab Sample ID: LCS 500-814049/4
Matrix: Water
Analysis Batch: 814049Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.6		mg/L		103	90 - 110
Sulfate	20.0	21.0		mg/L		105	90 - 110

Lab Sample ID: MB 500-814052/3
Matrix: Water
Analysis Batch: 814052Client 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	0.42	mg/L			04/17/25 19:48	1
Sulfate	<1.0		1.0	0.47	mg/L			04/17/25 19:48	1

Lab Sample ID: LCS 500-814052/4
Matrix: Water
Analysis Batch: 814052Client Sample ID: Lab Control Sample
Prep Type: Total/NA

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

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-814052/4

Matrix: Water

Analysis Batch: 814052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.4		mg/L		107	90 - 110

Lab Sample ID: MB 500-814236/3

Matrix: Water

Analysis Batch: 814236

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	0.42	mg/L			04/19/25 15:08	1
Sulfate	<1.0		1.0	0.47	mg/L			04/19/25 15:08	1

Lab Sample ID: LCS 500-814236/4

Matrix: Water

Analysis Batch: 814236

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	20.0		mg/L		100	90 - 110
Sulfate	20.0	20.4		mg/L		102	90 - 110

Lab Sample ID: MB 500-814357/3

Matrix: Water

Analysis Batch: 814357

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	0.42	mg/L			04/19/25 12:52	1
Sulfate	<1.0		1.0	0.47	mg/L			04/19/25 12:52	1

Lab Sample ID: LCS 500-814357/4

Matrix: Water

Analysis Batch: 814357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	104		mg/L		104	90 - 110
Sulfate	100	108		mg/L		108	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-814068/3

Matrix: Water

Analysis Batch: 814068

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	8.05		5.0	3.7	mg/L			04/16/25 09:28	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			04/16/25 09:28	1

Lab Sample ID: MB 500-814068/30

Matrix: Water

Analysis Batch: 814068

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	6.01		5.0	3.7	mg/L			04/16/25 13:29	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 500-814068/30

Matrix: Water

Analysis Batch: 814068

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			04/16/25 13:29	1

Lab Sample ID: LCS 500-814068/31

Matrix: Water

Analysis Batch: 814068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	107		mg/L		107	80 - 120

Lab Sample ID: LCS 500-814068/4

Matrix: Water

Analysis Batch: 814068

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: MB 500-814948/28

Matrix: Water

Analysis Batch: 814948

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			04/23/25 14:07	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			04/23/25 14:07	1

Lab Sample ID: LCS 500-814948/4

Matrix: Water

Analysis Batch: 814948

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	105		mg/L		105	80 - 120

Lab Sample ID: 500-266801-4 DU

Matrix: Water

Analysis Batch: 814948

Client Sample ID: FB

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	5.4		<5.0		mg/L		NC	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 500-815522/3

Matrix: Water

Analysis Batch: 815522

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			04/28/25 09:48	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			04/28/25 09:48	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-815522/4

Matrix: Water

Analysis Batch: 815522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	102		mg/L		102	80 - 120

Lab Sample ID: MB 500-815692/53

Matrix: Water

Analysis Batch: 815692

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			04/29/25 19:27	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			04/29/25 19:27	1

Lab Sample ID: MB 500-815692/78

Matrix: Water

Analysis Batch: 815692

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			04/29/25 23:39	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			04/29/25 23:39	1

Lab Sample ID: LCS 500-815692/54

Matrix: Water

Analysis Batch: 815692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	101		mg/L		101	80 - 120

Lab Sample ID: LCS 500-815692/80

Matrix: Water

Analysis Batch: 815692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

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

Lab Sample ID: MB 500-813829/1

Matrix: Water

Analysis Batch: 813829

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	62.0		10	4.3	mg/L			04/16/25 04:37	1

Lab Sample ID: LCS 500-813829/2

Matrix: Water

Analysis Batch: 813829

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	248		mg/L		99	80 - 120

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

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

Lab Sample ID: MB 500-814371/1

Matrix: Water

Analysis Batch: 814371

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			04/19/25 21:17	1

Lab Sample ID: LCS 500-814371/2

Matrix: Water

Analysis Batch: 814371

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	244		mg/L		98	80 - 120

Lab Sample ID: 500-266801-14 DU

Matrix: Water

Analysis Batch: 814371

Client Sample ID: 70&D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1230		mg/L		0.7	5

Lab Sample ID: MB 500-815049/1

Matrix: Water

Analysis Batch: 815049

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			04/23/25 07:51	1

Lab Sample ID: LCS 500-815049/2

Matrix: Water

Analysis Batch: 815049

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	246		mg/L		98	80 - 120

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-814732/3

Matrix: Water

Analysis Batch: 814732

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			04/22/25 12:50	1

Lab Sample ID: MB 500-814732/31

Matrix: Water

Analysis Batch: 814732

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			04/22/25 14:35	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-814732/61

Matrix: Water

Analysis Batch: 814732

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			04/22/25 16:29	1

Lab Sample ID: LCS 500-814732/32

Matrix: Water

Analysis Batch: 814732

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	9.87		mg/L		99	90 - 119

Lab Sample ID: LCS 500-814732/4

Matrix: Water

Analysis Batch: 814732

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	9.70		mg/L		97	90 - 119

Lab Sample ID: LCS 500-814732/62

Matrix: Water

Analysis Batch: 814732

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	9.70		mg/L		97	90 - 119

Lab Sample ID: MB 500-815809/3

Matrix: Water

Analysis Batch: 815809

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			04/30/25 11:20	1

Lab Sample ID: LCS 500-815809/4

Matrix: Water

Analysis Batch: 815809

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	9.74		mg/L		97	90 - 119

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 10R

Date Collected: 04/14/25 15:25

Date Received: 04/15/25 12:15

Lab Sample ID: 500-266801-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			813858	BDE	EET CHI	04/16/25 08:25 - 04/16/25 14:25 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814061	RN	EET CHI	04/17/25 00:23
Total Recoverable	Prep	3005A			813856	BDE	EET CHI	04/16/25 08:21 - 04/16/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	814433	RN	EET CHI	04/18/25 14:06
Total Recoverable	Prep	3005A			813856	BDE	EET CHI	04/16/25 08:21 - 04/16/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	814582	RN	EET CHI	04/21/25 14:42
Total/NA	Prep	7470A			815204	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 09:00
Total/NA	Analysis	300.0		1	813898	MM	EET CHI	04/16/25 21:43
Total/NA	Analysis	300.0		10	813898	MM	EET CHI	04/16/25 21:55
Total/NA	Analysis	SM 2320B		1	814068	SO	EET CHI	04/16/25 15:33
Total/NA	Analysis	SM 2540C		1	813829	CLB	EET CHI	04/16/25 05:27
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 14:18
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/14/25 15:25

Client Sample ID: 10R_FD

Date Collected: 04/14/25 15:40

Date Received: 04/15/25 12:15

Lab Sample ID: 500-266801-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			813858	BDE	EET CHI	04/16/25 08:25 - 04/16/25 14:25 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814061	RN	EET CHI	04/17/25 00:27
Total Recoverable	Prep	3005A			813856	BDE	EET CHI	04/16/25 08:21 - 04/16/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	814433	RN	EET CHI	04/18/25 14:09
Total Recoverable	Prep	3005A			813856	BDE	EET CHI	04/16/25 08:21 - 04/16/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	814582	RN	EET CHI	04/21/25 14:44
Total/NA	Prep	7470A			815204	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 09:02
Total/NA	Analysis	300.0		1	813898	MM	EET CHI	04/16/25 22:07
Total/NA	Analysis	300.0		10	813898	MM	EET CHI	04/16/25 22:19
Total/NA	Analysis	SM 2320B		1	814068	SO	EET CHI	04/16/25 15:44
Total/NA	Analysis	SM 2540C		1	813829	CLB	EET CHI	04/16/25 05:30
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 14:22
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/14/25 15:40

Client Sample ID: 16A

Date Collected: 04/14/25 16:25

Date Received: 04/15/25 12:15

Lab Sample ID: 500-266801-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			813858	BDE	EET CHI	04/16/25 08:25 - 04/16/25 14:25 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814061	RN	EET CHI	04/17/25 00:32
Total Recoverable	Prep	3005A			813856	BDE	EET CHI	04/16/25 08:21 - 04/16/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	814433	RN	EET CHI	04/18/25 14:11

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Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 16A

Date Collected: 04/14/25 16:25

Date Received: 04/15/25 12:15

Lab Sample ID: 500-266801-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			813856	BDE	EET CHI	04/16/25 08:21 - 04/16/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	814582	RN	EET CHI	04/21/25 14:47
Total/NA	Prep	7470A			815204	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 09:04
Total/NA	Analysis	300.0		10	813898	MM	EET CHI	04/16/25 23:05
Total/NA	Analysis	SM 2320B		1	814068	SO	EET CHI	04/16/25 15:55
Total/NA	Analysis	SM 2540C		1	813829	CLB	EET CHI	04/16/25 05:33
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 14:26
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/14/25 16:25

Client Sample ID: FB

Date Collected: 04/15/25 08:40

Date Received: 04/15/25 12:15

Lab Sample ID: 500-266801-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			813858	BDE	EET CHI	04/16/25 08:25 - 04/16/25 14:25 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814061	RN	EET CHI	04/17/25 00:36
Total Recoverable	Prep	3005A			813856	BDE	EET CHI	04/16/25 08:21 - 04/16/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	814433	RN	EET CHI	04/18/25 14:14
Total Recoverable	Prep	3005A			813856	BDE	EET CHI	04/16/25 08:21 - 04/16/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	814582	RN	EET CHI	04/21/25 14:49
Total/NA	Prep	7470A			815204	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 09:06
Total/NA	Analysis	300.0		1	813898	MM	EET CHI	04/16/25 23:17
Total/NA	Analysis	SM 2320B		1	814948	AC	EET CHI	04/23/25 11:06
Total/NA	Analysis	SM 2540C		1	813829	CLB	EET CHI	04/16/25 05:36
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 14:29

Client Sample ID: 35&D

Date Collected: 04/15/25 08:35

Date Received: 04/16/25 12:36

Lab Sample ID: 500-266801-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			814223	BDE	EET CHI	04/18/25 08:27 - 04/18/25 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814616	SJ	EET CHI	04/22/25 03:07
Total Recoverable	Prep	3005A			814037	BDE	EET CHI	04/17/25 07:52 - 04/17/25 13:52 ¹
Total Recoverable	Analysis	6020B		1	814718	RN	EET CHI	04/22/25 14:34
Total Recoverable	Prep	3005A			814037	BDE	EET CHI	04/17/25 07:52 - 04/17/25 13:52 ¹
Total Recoverable	Analysis	6020B		5	814768	RN	EET CHI	04/22/25 18:48
Total/NA	Prep	7470A			815206	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 09:26
Total/NA	Analysis	300.0		50	814052	MM	EET CHI	04/17/25 22:07
Total/NA	Analysis	SM 2320B		1	814948	AC	EET CHI	04/23/25 11:50
Total/NA	Analysis	SM 2540C		1	814371	CLB	EET CHI	04/19/25 21:42

Eurofins Chicago

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 35&D

Date Collected: 04/15/25 08:35

Date Received: 04/16/25 12:36

Lab Sample ID: 500-266801-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 15:06
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/15/25 08:35

Client Sample ID: 70&D

Date Collected: 04/15/25 11:05

Date Received: 04/16/25 12:36

Lab Sample ID: 500-266801-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			814223	BDE	EET CHI	04/18/25 08:27 - 04/18/25 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814616	SJ	EET CHI	04/22/25 03:57
Total Recoverable	Prep	3005A			814037	BDE	EET CHI	04/17/25 07:52 - 04/17/25 13:52 ¹
Total Recoverable	Analysis	6020B		1	814768	RN	EET CHI	04/22/25 19:15
Total/NA	Prep	7470A			815206	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 09:44
Total/NA	Analysis	300.0		20	814049	MM	EET CHI	04/17/25 10:42
Total/NA	Analysis	SM 2320B		1	814948	AC	EET CHI	04/23/25 12:40
Total/NA	Analysis	SM 2540C		1	814371	CLB	EET CHI	04/19/25 22:00
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 15:37
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/15/25 11:05

Client Sample ID: 70#S

Date Collected: 04/15/25 11:40

Date Received: 04/16/25 12:36

Lab Sample ID: 500-266801-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			814223	BDE	EET CHI	04/18/25 08:27 - 04/18/25 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814616	SJ	EET CHI	04/22/25 04:01
Total Recoverable	Prep	3005A			814037	BDE	EET CHI	04/17/25 07:52 - 04/17/25 13:52 ¹
Total Recoverable	Analysis	6020B		1	814768	RN	EET CHI	04/22/25 19:17
Total/NA	Prep	7470A			815206	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 09:50
Total/NA	Analysis	300.0		1	814049	MM	EET CHI	04/17/25 10:54
Total/NA	Analysis	300.0		20	814049	MM	EET CHI	04/17/25 11:06
Total/NA	Analysis	SM 2320B		1	815522	AC	EET CHI	04/28/25 10:02
Total/NA	Analysis	SM 2540C		1	814371	CLB	EET CHI	04/19/25 22:06
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 15:40
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/15/25 11:40

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 71#S

Lab Sample ID: 500-266801-16

Date Collected: 04/15/25 12:40

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			814223	BDE	EET CHI	04/18/25 08:27 - 04/18/25 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814616	SJ	EET CHI	04/22/25 04:15
Total Recoverable	Prep	3005A			814037	BDE	EET CHI	04/17/25 07:52 - 04/17/25 13:52 ¹
Total Recoverable	Analysis	6020B		1	814768	RN	EET CHI	04/22/25 19:19
Total/NA	Prep	7470A			815206	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 09:53
Total/NA	Analysis	300.0		1	814049	MM	EET CHI	04/17/25 11:17
Total/NA	Analysis	300.0		5	814049	MM	EET CHI	04/17/25 11:29
Total/NA	Analysis	SM 2320B		1	815522	AC	EET CHI	04/28/25 10:12
Total/NA	Analysis	SM 2540C		1	814371	CLB	EET CHI	04/19/25 22:08
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 15:44
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/15/25 12:40

Client Sample ID: 22

Lab Sample ID: 500-266801-24

Date Collected: 04/16/25 13:05

Matrix: Water

Date Received: 04/17/25 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			814223	BDE	EET CHI	04/18/25 08:27 - 04/18/25 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814616	SJ	EET CHI	04/22/25 04:51
Total Recoverable	Prep	3005A			814339	S1Z	EET CHI	04/18/25 16:33 - 04/18/25 22:33 ¹
Total Recoverable	Analysis	6020B		1	814582	RN	EET CHI	04/21/25 18:23
Total Recoverable	Prep	3005A			814339	S1Z	EET CHI	04/18/25 16:33 - 04/18/25 22:33 ¹
Total Recoverable	Analysis	6020B		1	814718	RN	EET CHI	04/22/25 13:28
Total Recoverable	Prep	3005A			814339	S1Z	EET CHI	04/18/25 16:33 - 04/18/25 22:33 ¹
Total Recoverable	Analysis	6020B		1	814768	RN	EET CHI	04/22/25 18:19
Total/NA	Prep	7470A			815206	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 10:10
Total/NA	Analysis	300.0		1	814236	MM	EET CHI	04/19/25 18:48
Total/NA	Analysis	SM 2320B		1	815692	AC	EET CHI	04/30/25 02:28
Total/NA	Analysis	SM 2540C		1	815049	CLB	EET CHI	04/23/25 08:14
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 16:21
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/16/25 13:05

Client Sample ID: 22_FD

Lab Sample ID: 500-266801-25

Date Collected: 04/16/25 13:15

Matrix: Water

Date Received: 04/17/25 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			814225	BDE	EET CHI	04/18/25 08:30 - 04/18/25 14:30 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	814791	SJ	EET CHI	04/22/25 20:57
Total Recoverable	Prep	3005A			814339	S1Z	EET CHI	04/18/25 16:33 - 04/18/25 22:33 ¹
Total Recoverable	Analysis	6020B		1	814582	RN	EET CHI	04/21/25 18:25

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Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: 22_FD

Date Collected: 04/16/25 13:15

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			814339	S1Z	EET CHI	04/18/25 16:33 - 04/18/25 22:33 ¹
Total Recoverable	Analysis	6020B		1	814718	RN	EET CHI	04/22/25 13:30
Total Recoverable	Prep	3005A			814339	S1Z	EET CHI	04/18/25 16:33 - 04/18/25 22:33 ¹
Total Recoverable	Analysis	6020B		1	814768	RN	EET CHI	04/22/25 18:21
Total/NA	Prep	7470A			815209	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 10:21
Total/NA	Analysis	300.0		1	814357	MM	EET CHI	04/19/25 13:22
Total/NA	Analysis	SM 2320B		1	815692	AC	EET CHI	04/30/25 02:39
Total/NA	Analysis	SM 2540C		1	815049	CLB	EET CHI	04/23/25 08:16
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 16:25
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/16/25 13:15

Client Sample ID: NED1

Date Collected: 04/16/25 09:25

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			814225	BDE	EET CHI	04/18/25 08:30 - 04/18/25 14:30 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		5	815176	SJ	EET CHI	04/24/25 12:20
Total Recoverable	Prep	3005A			814540	S1Z	EET CHI	04/21/25 16:23 - 04/21/25 22:23 ¹
Total Recoverable	Analysis	6020B		5	815016	S1Z	EET CHI	04/23/25 14:09
Total Recoverable	Prep	3005A			814540	S1Z	EET CHI	04/21/25 16:23 - 04/21/25 22:23 ¹
Total Recoverable	Analysis	6020B		1	814767	RN	EET CHI	04/22/25 19:40
Total/NA	Prep	7470A			815209	MJG	EET CHI	04/25/25 09:55 - 04/25/25 11:55 ¹
Total/NA	Analysis	7470A		1	815416	MJG	EET CHI	04/28/25 10:43
Total/NA	Analysis	300.0		1	814357	MM	EET CHI	04/19/25 16:41
Total/NA	Analysis	300.0		100	814357	MM	EET CHI	04/19/25 16:56
Total/NA	Analysis	SM 2320B		1	815692	AC	EET CHI	04/30/25 03:21
Total/NA	Analysis	SM 2540C		1	815049	CLB	EET CHI	04/23/25 08:27
Total/NA	Analysis	SM 4500 F C		1	814732	AC	EET CHI	04/22/25 17:02
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/16/25 09:25

Client Sample ID: XSG02

Date Collected: 04/14/25 10:06

Date Received: 04/15/25 07:39

Lab Sample ID: 500-266801-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/14/25 10:06

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-4
SDG: VER_845_912

Client Sample ID: XSG03

Date Collected: 04/14/25 10:08

Date Received: 04/15/25 07:39

Lab Sample ID: 500-266801-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	815582	DN	EET CHI	04/14/25 10:08

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, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-4
SDG: VER_845_912

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	100201	05-31-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
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

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Section C
Invoice Information

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Company	Vistra Corp-Vermilion	Report To: Brian Voelker	Attention: Dianna Tickner				
Address	10188 E 2150 North Rd	Copy To: Dianna Tickner - dianna.tickner@vistracorp.com	Company Name	Vistra Corp	REGULATORY AGENCY		
	Danville, IL 61834		Address.	see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To	Brian.Voelker@VistraCorp.com	Purchase Order No.	Quote Reference*		UST	RCRA	OTHER
Phone* (217) 753-8911	Fax:	Project Name*	Project Manager*		Site Location		
Requested Due Date/TAT	10 day	Project Number 50024222	Profile #:		STATE	IL	

500-266801 COC

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										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-C	Residual Chlorine (Y/N)	Project No./ Lab I.D.
		MATRIX	CODE			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other												
		DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OIL WIPE AIR OTHER TISSUE	DW WT WW P SL OL WP AR OT TS																										
1	02																												
2	03R																												
3	04																												
4	05																												
5	05_FD																												
6	07R																												
7	08R																												
8	101&																												
9	103R																												
10	10R			WT		4/14/25	1526																						
11	10R_FD			VT		4/14/25	1540																						
12	16A			WT		4/14/25	1625																						
13	16IB																												
14	17																												
15	20																												
16	20_FD																												
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS											
VER-25Q2 Rev 0		C2001074 Asst. Dir. / R3E M. J. Ellison				4/15/25		1000		M. J. Ellison M. J. Ellison				4/15/25		0944													
						4/15/25		1215						4/15/25		1215													

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER	SIGNATURE of SAMPLER.				
George Savallino	[Signature]	4/15/25			

5.2 → 5.5

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

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Section A Required Client Information		Section B Required Project Information		Section C Invoice Information		Page 2 of 3		
Company: Vistra Corp-Vermilion		Report To: Brian Voelker		Attention: Dianna Tickner		REGULATORY AGENCY		
Address 10188 E 2150 North Rd		Copy To. Dianna Tickner - dianna.tickner@vistracorp.com		Company Name Vistra Corp				
Danville, IL 61834				Address. see Section A		NPDES GROUND WATER DRINKING WATER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.		Quote Reference		UST RCRA OTHER		
Phone (217) 753-8911	Fax:	Project Name:		Project Manager		Site Location		
Requested Due Date/TAT 10 day		Project Number: 50024222		Profile #:		STATE. IL		

[illegible]

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[illegible]

Sampler is the same as relinquished by, as on page 1. dbn 04/15/25

500-266801

500-266801

500-266801

500-266801

500-266801

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[illegible]Samples
Intact (Y/N)

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CHAIN-OF-CUSTODY / Analytical Request Document

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500-266801

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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:	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name:	
Project Number:	50024222

Section C
Invoice Information

Attention:	Dianna Tickner
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	IL	
STATE		



500-266801 COC

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	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-C	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	02		4/16/25	1400							X	X			X				
2	03R										X	X			X				
3	04		4/16/25	0815							X	X			X				
4	05										X	X			X				
5	05_FD										X	X			X				
6	07R		4/16/25	1440							X	X			X				
7	08R										X	X			X				
8	101&										X	X			X				
9	103R										X	X			X				
10	10R										X		X	X	X				
11	10R_FD										X		X	X	X				
12	16A										X		X	X	X				
13	16IB										X		X	X	X				
14	17		4/16/25	1420							X	X			X				
15	20		4/16/25	0935							X	X			X				
16	20_FD		4/16/25	0945							X	X			X				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
VER-25Q2 Rev 0	George Amalia / APE	4/17/25	1000	George Amalia	4/17/25	0929	
	George Amalia	4/17/25	1145	George Amalia	4/17/25	1145	
SAMPLER NAME AND SIGNATURE				DATE Signed (MM/DD/YY)			
PRINT Name of SAMPLER				4/17/25			
SIGNATURE of SAMPLER							

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Section A Required Client Information		Section B Required Project Information		Section C Invoice Information		Page 2 of 3		
Company: Vistra Corp-Vermillion		Report To: Brian Voelker		Attention: Dianna Tickner		REGULATORY AGENCY		
Address: 10188 E 2150 North Rd		Copy To: Dianna Tickner - dianna.tickner@vistracorp.com		Company Name: Vistra Corp				
Danville, IL 61834				Address: see Section A		NPDES GROUND WATER DRINKING WATER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.		Quote Reference:		UST RCRA OTHER		
Phone: (217) 753-8911	Fax:	Project Name		Project Manager		Site Location		
Requested Due Date/TAT: 10 day		Project Number: 50024222		Profile #:		STATE		IL

05/07/25

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Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-266801-4

SDG Number: VER_845_912

Login Number: 266801

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.5,2.5,4.8,1.7,1.8,5.7,5.8,5.1,5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 05/22/25 14:27:32

JOB DESCRIPTION

VER-25Q2
VER_000_RAD

JOB NUMBER

500-266801-2

Eurofins Chicago

Job Notes

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

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

Authorization



Generated
05/22/25 14:27:32

Authorized for release by
Dirk Nelson, Project Management Assistant II
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Case Narrative

Client: Vistra Energy Corp
Project: VER-25Q2

Job ID: 500-266801-2

Job ID: 500-266801-2

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Job Narrative 500-266801-2

Receipt

The samples were received on 4/15/2025 7:39 AM, 4/15/2025 12:15 PM, 4/16/2025 12:36 PM and 4/17/2025 11:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 1.7°C, 1.8°C, 2.5°C, 4.8°C, 5.1°C, 5.4°C, 5.5°C, 5.7°C and 5.8°C.

Receipt Exceptions

The reference method requires samples to have a pH of less than 2. The following sample was received with a pH of 7: 21 (500-266801-23). The sample was adjusted to the appropriate pH in the laboratory. Affected container: D-23

Gas Flow Proportional Counter

Method 904.0: Radium 228 Batch 160-713485: The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. 03R (500-266801-5)

Method 904.0: Radium-228 Prep Batch 160-713895: The detection goal was not met for the following sample due to the reduction of sample size require by the presence of matrix interferences (turbidity and/or discoloration noted by the prep analyst): 22_FD (500-266801-25). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium 228 Batch 160-713709: The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. 22 (500-266801-24)

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

Rad

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

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Detection SummaryClient: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 10R	Lab Sample ID: 500-266801-1
No Detections.	
Client Sample ID: 10R_FD	Lab Sample ID: 500-266801-2
No Detections.	
Client Sample ID: 16A	Lab Sample ID: 500-266801-3
No Detections.	
Client Sample ID: FB	Lab Sample ID: 500-266801-4
No Detections.	
Client Sample ID: 03R	Lab Sample ID: 500-266801-5
No Detections.	
Client Sample ID: 05	Lab Sample ID: 500-266801-6
No Detections.	
Client Sample ID: 05_FD	Lab Sample ID: 500-266801-7
No Detections.	
Client Sample ID: 08R	Lab Sample ID: 500-266801-8
No Detections.	
Client Sample ID: 35&D	Lab Sample ID: 500-266801-9
No Detections.	
Client Sample ID: 38	Lab Sample ID: 500-266801-10
No Detections.	
Client Sample ID: 41	Lab Sample ID: 500-266801-11
No Detections.	
Client Sample ID: 42	Lab Sample ID: 500-266801-12
No Detections.	
Client Sample ID: 43	Lab Sample ID: 500-266801-13
No Detections.	
Client Sample ID: 70&D	Lab Sample ID: 500-266801-14
No Detections.	
Client Sample ID: 70#S	Lab Sample ID: 500-266801-15
No Detections.	
Client Sample ID: 71#S	Lab Sample ID: 500-266801-16
No Detections.	

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 02	Lab Sample ID: 500-266801-17
No Detections.	
Client Sample ID: 04	Lab Sample ID: 500-266801-18
No Detections.	
Client Sample ID: 07R	Lab Sample ID: 500-266801-19
No Detections.	
Client Sample ID: 17	Lab Sample ID: 500-266801-20
No Detections.	
Client Sample ID: 20	Lab Sample ID: 500-266801-21
No Detections.	
Client Sample ID: 20_FD	Lab Sample ID: 500-266801-22
No Detections.	
Client Sample ID: 21	Lab Sample ID: 500-266801-23
No Detections.	
Client Sample ID: 22	Lab Sample ID: 500-266801-24
No Detections.	
Client Sample ID: 22_FD	Lab Sample ID: 500-266801-25
No Detections.	
Client Sample ID: 34	Lab Sample ID: 500-266801-26
No Detections.	
Client Sample ID: 36	Lab Sample ID: 500-266801-27
No Detections.	
Client Sample ID: 37	Lab Sample ID: 500-266801-28
No Detections.	

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
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	Combined Radium-226 and Radium-228	TAL-STL	EET SL
Pos			
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-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-266801-1	10R	Water	04/14/25 15:25	04/15/25 12:15
500-266801-2	10R_FD	Water	04/14/25 15:40	04/15/25 12:15
500-266801-3	16A	Water	04/14/25 16:25	04/15/25 12:15
500-266801-4	FB	Water	04/15/25 08:40	04/15/25 12:15
500-266801-5	03R	Water	04/15/25 11:00	04/16/25 12:36
500-266801-6	05	Water	04/15/25 14:25	04/16/25 12:36
500-266801-7	05_FD	Water	04/15/25 14:30	04/16/25 12:36
500-266801-8	08R	Water	04/15/25 11:30	04/16/25 12:36
500-266801-9	35&D	Water	04/15/25 08:35	04/16/25 12:36
500-266801-10	38	Water	04/15/25 15:05	04/16/25 12:36
500-266801-11	41	Water	04/15/25 14:05	04/16/25 12:36
500-266801-12	42	Water	04/15/25 16:20	04/16/25 12:36
500-266801-13	43	Water	04/15/25 15:30	04/16/25 12:36
500-266801-14	70&D	Water	04/15/25 11:05	04/16/25 12:36
500-266801-15	70#S	Water	04/15/25 11:40	04/16/25 12:36
500-266801-16	71#S	Water	04/15/25 12:40	04/16/25 12:36
500-266801-17	02	Water	04/16/25 14:00	04/17/25 11:45
500-266801-18	04	Water	04/16/25 08:15	04/17/25 11:45
500-266801-19	07R	Water	04/16/25 14:40	04/17/25 11:45
500-266801-20	17	Water	04/16/25 14:20	04/17/25 11:45
500-266801-21	20	Water	04/16/25 09:35	04/17/25 11:45
500-266801-22	20_FD	Water	04/16/25 09:45	04/17/25 11:45
500-266801-23	21	Water	04/16/25 11:50	04/17/25 11:45
500-266801-24	22	Water	04/16/25 13:05	04/17/25 11:45
500-266801-25	22_FD	Water	04/16/25 13:15	04/17/25 11:45
500-266801-26	34	Water	04/16/25 10:15	04/17/25 11:45
500-266801-27	36	Water	04/17/25 08:20	04/17/25 11:45
500-266801-28	37	Water	04/16/25 15:20	04/17/25 11:45

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 10R

Lab Sample ID: 500-266801-1

Date Collected: 04/14/25 15:25

Matrix: Water

Date Received: 04/15/25 12:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0536	U	0.196	0.196	1.00	0.384	pCi/L	04/21/25 07:28	05/20/25 17:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.4		30 - 110					04/21/25 07:28	05/20/25 17:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.545	U	0.439	0.441	1.00	0.677	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.4		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	84.5		30 - 110					04/21/25 07:32	05/20/25 09:42	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	0.598	U	0.481	0.483	5.00	0.677	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 10R_FD

Lab Sample ID: 500-266801-2

Date Collected: 04/14/25 15:40

Matrix: Water

Date Received: 04/15/25 12:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.407		0.286	0.289	1.00	0.398	pCi/L	04/21/25 07:28	05/20/25 17:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					04/21/25 07:28	05/20/25 17:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.263	U	0.412	0.413	1.00	0.701	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	82.6		30 - 110					04/21/25 07:32	05/20/25 09:42	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	0.670	U	0.502	0.504	5.00	0.701	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 16A

Lab Sample ID: 500-266801-3

Date Collected: 04/14/25 16:25

Matrix: Water

Date Received: 04/15/25 12:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.577		0.247	0.252	1.00	0.258	pCi/L	04/21/25 07:28	05/20/25 17:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.4		30 - 110					04/21/25 07:28	05/20/25 17:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.696		0.358	0.363	1.00	0.500	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.4		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	82.6		30 - 110					04/21/25 07:32	05/20/25 09:42	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	1.27		0.435	0.442	5.00	0.500	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: FB

Lab Sample ID: 500-266801-4

Date Collected: 04/15/25 08:40

Matrix: Water

Date Received: 04/15/25 12:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0849	U	0.160	0.161	1.00	0.287	pCi/L	04/21/25 07:28	05/20/25 17:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					04/21/25 07:28	05/20/25 17:44	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	0.356	0.357	1.00	0.590	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	80.7		30 - 110					04/21/25 07:32	05/20/25 09:42	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	0.371	U	0.390	0.392	5.00	0.590	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 03R

Lab Sample ID: 500-266801-5

Date Collected: 04/15/25 11:00

Matrix: Water

Date Received: 04/16/25 12:36

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	0.592	U	0.454	0.458	1.00	0.660	pCi/L	04/21/25 07:28	05/20/25 17:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					04/21/25 07:28	05/20/25 17:44	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	1.82	G	0.875	0.891	1.00	1.22	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	81.9		30 - 110					04/21/25 07:32	05/20/25 09:42	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.41		0.986	1.00	5.00	1.22	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 05

Lab Sample ID: 500-266801-6

Date Collected: 04/15/25 14:25

Matrix: Water

Date Received: 04/16/25 12:36

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0605	U	0.209	0.209	1.00	0.389	pCi/L	04/21/25 07:28	05/20/25 17:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					04/21/25 07:28	05/20/25 17:44	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	-0.185	U	0.290	0.291	1.00	0.602	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	76.6		30 - 110					04/21/25 07:32	05/20/25 09:42	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	0.0605	U	0.357	0.358	5.00	0.602	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 05_FD

Lab Sample ID: 500-266801-7

Date Collected: 04/15/25 14:30

Matrix: Water

Date Received: 04/16/25 12:36

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	0.00832	U	0.180	0.180	1.00	0.355	pCi/L	04/21/25 07:28	05/20/25 17:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					04/21/25 07:28	05/20/25 17:44	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	0.498	U	0.382	0.384	1.00	0.591	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	81.1		30 - 110					04/21/25 07:32	05/20/25 09:42	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	0.506	U	0.422	0.424	5.00	0.591	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 08R

Lab Sample ID: 500-266801-8

Date Collected: 04/15/25 11:30

Matrix: Water

Date Received: 04/16/25 12:36

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		0.261	0.264	1.00	0.358	pCi/L	04/21/25 07:28	05/20/25 17:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					04/21/25 07:28	05/20/25 17:44	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		0.447	0.460	1.00	0.561	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	81.9		30 - 110					04/21/25 07:32	05/20/25 09:42	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	1.59		0.518	0.530	5.00	0.561	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 35&D

Lab Sample ID: 500-266801-9

Date Collected: 04/15/25 08:35

Matrix: Water

Date Received: 04/16/25 12:36

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	0.0319	U	0.147	0.147	1.00	0.290	pCi/L	04/21/25 07:28	05/20/25 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					04/21/25 07:28	05/20/25 17:45	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	0.690		0.376	0.382	1.00	0.534	pCi/L	04/21/25 07:32	05/20/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					04/21/25 07:32	05/20/25 09:42	1
Y Carrier	82.6		30 - 110					04/21/25 07:32	05/20/25 09:42	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	0.722		0.404	0.409	5.00	0.534	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 38

Lab Sample ID: 500-266801-10

Date Collected: 04/15/25 15:05

Matrix: Water

Date Received: 04/16/25 12:36

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	0.382		0.275	0.277	1.00	0.381	pCi/L	04/21/25 07:28	05/20/25 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					04/21/25 07:28	05/20/25 17:45	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.07		0.518	0.528	1.00	0.726	pCi/L	04/21/25 07:32	05/20/25 09:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					04/21/25 07:32	05/20/25 09:33	1
Y Carrier	84.5		30 - 110					04/21/25 07:32	05/20/25 09:33	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		0.586	0.596	5.00	0.726	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 41

Lab Sample ID: 500-266801-11

Date Collected: 04/15/25 14:05

Matrix: Water

Date Received: 04/16/25 12:36

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.472		0.287	0.290	1.00	0.360	pCi/L	04/21/25 07:28	05/20/25 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					04/21/25 07:28	05/20/25 17:45	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.07		0.607	0.636	1.00	0.680	pCi/L	04/21/25 07:32	05/20/25 09:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					04/21/25 07:32	05/20/25 09:33	1
Y Carrier	83.0		30 - 110					04/21/25 07:32	05/20/25 09:33	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.54		0.671	0.699	5.00	0.680	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 42

Lab Sample ID: 500-266801-12

Date Collected: 04/15/25 16:20

Matrix: Water

Date Received: 04/16/25 12:36

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	0.360		0.260	0.262	1.00	0.354	pCi/L	04/21/25 07:28	05/20/25 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					04/21/25 07:28	05/20/25 17:45	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	1.35		0.565	0.578	1.00	0.746	pCi/L	04/21/25 07:32	05/20/25 09:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					04/21/25 07:32	05/20/25 09:33	1
Y Carrier	80.4		30 - 110					04/21/25 07:32	05/20/25 09:33	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	1.71		0.622	0.635	5.00	0.746	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 43

Lab Sample ID: 500-266801-13

Date Collected: 04/15/25 15:30

Matrix: Water

Date Received: 04/16/25 12:36

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	0.689		0.296	0.303	1.00	0.337	pCi/L	04/21/25 07:28	05/20/25 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.4		30 - 110					04/21/25 07:28	05/20/25 17:45	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	0.772		0.421	0.427	1.00	0.603	pCi/L	04/21/25 07:32	05/20/25 09:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.4		30 - 110					04/21/25 07:32	05/20/25 09:34	1
Y Carrier	79.3		30 - 110					04/21/25 07:32	05/20/25 09:34	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	1.46		0.515	0.524	5.00	0.603	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 70&D

Lab Sample ID: 500-266801-14

Date Collected: 04/15/25 11:05

Matrix: Water

Date Received: 04/16/25 12:36

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	0.241	U	0.198	0.199	1.00	0.289	pCi/L	04/21/25 07:28	05/20/25 18:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					04/21/25 07:28	05/20/25 18:06	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	0.652		0.376	0.380	1.00	0.541	pCi/L	04/21/25 07:32	05/20/25 09:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					04/21/25 07:32	05/20/25 09:34	1
Y Carrier	80.7		30 - 110					04/21/25 07:32	05/20/25 09:34	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	0.893		0.425	0.429	5.00	0.541	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 70#S

Lab Sample ID: 500-266801-15

Date Collected: 04/15/25 11:40

Matrix: Water

Date Received: 04/16/25 12:36

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	0.0579	U	0.161	0.161	1.00	0.301	pCi/L	04/21/25 07:28	05/20/25 18:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					04/21/25 07:28	05/20/25 18:06	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	0.479		0.315	0.318	1.00	0.459	pCi/L	04/21/25 07:32	05/20/25 09:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					04/21/25 07:32	05/20/25 09:34	1
Y Carrier	81.1		30 - 110					04/21/25 07:32	05/20/25 09:34	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	0.537		0.354	0.356	5.00	0.459	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 71#S

Lab Sample ID: 500-266801-16

Date Collected: 04/15/25 12:40

Matrix: Water

Date Received: 04/16/25 12:36

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	0.0123	U	0.148	0.148	1.00	0.300	pCi/L	04/21/25 07:28	05/20/25 18:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					04/21/25 07:28	05/20/25 18:06	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	1.49		0.475	0.495	1.00	0.579	pCi/L	04/21/25 07:32	05/20/25 09:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					04/21/25 07:32	05/20/25 09:34	1
Y Carrier	83.7		30 - 110					04/21/25 07:32	05/20/25 09:34	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	1.50		0.498	0.517	5.00	0.579	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 02

Lab Sample ID: 500-266801-17

Date Collected: 04/16/25 14:00

Matrix: Water

Date Received: 04/17/25 11:45

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	0.111	U	0.184	0.184	1.00	0.321	pCi/L	04/21/25 07:28	05/20/25 18:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					04/21/25 07:28	05/20/25 18:06	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		0.509	0.517	1.00	0.720	pCi/L	04/21/25 07:32	05/20/25 10:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					04/21/25 07:32	05/20/25 10:32	1
Y Carrier	83.7		30 - 110					04/21/25 07:32	05/20/25 10:32	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	1.13		0.541	0.549	5.00	0.720	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 04

Lab Sample ID: 500-266801-18

Date Collected: 04/16/25 08:15

Matrix: Water

Date Received: 04/17/25 11:45

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	0.241	U	0.241	0.242	1.00	0.384	pCi/L	04/21/25 07:28	05/20/25 19:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					04/21/25 07:28	05/20/25 19:39	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	0.468	U	0.402	0.404	1.00	0.632	pCi/L	04/21/25 07:32	05/20/25 10:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					04/21/25 07:32	05/20/25 10:32	1
Y Carrier	82.6		30 - 110					04/21/25 07:32	05/20/25 10:32	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	0.709		0.469	0.471	5.00	0.632	pCi/L		05/22/25 12:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 07R

Lab Sample ID: 500-266801-19

Date Collected: 04/16/25 14:40

Matrix: Water

Date Received: 04/17/25 11:45

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	0.189	U	0.208	0.208	1.00	0.334	pCi/L	04/21/25 07:31	05/20/25 19:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.9		30 - 110					04/21/25 07:31	05/20/25 19:39	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	2.80		0.696	0.742	1.00	0.754	pCi/L	04/21/25 07:32	05/20/25 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.9		30 - 110					04/21/25 07:32	05/20/25 10:31	1
Y Carrier	81.1		30 - 110					04/21/25 07:32	05/20/25 10:31	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	2.99		0.726	0.771	5.00	0.754	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 17

Lab Sample ID: 500-266801-20

Date Collected: 04/16/25 14:20

Matrix: Water

Date Received: 04/17/25 11:45

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	-0.0189	U	0.0888	0.0888	1.00	0.223	pCi/L	04/22/25 08:36	05/21/25 17:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					04/22/25 08:36	05/21/25 17:07	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	0.530	U	0.386	0.389	1.00	0.582	pCi/L	04/22/25 08:46	05/21/25 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					04/22/25 08:46	05/21/25 09:53	1
Y Carrier	66.2		30 - 110					04/22/25 08:46	05/21/25 09:53	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	0.530	U	0.396	0.399	5.00	0.582	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 20

Lab Sample ID: 500-266801-21

Date Collected: 04/16/25 09:35

Matrix: Water

Date Received: 04/17/25 11:45

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	0.264	U	0.210	0.211	1.00	0.303	pCi/L	04/22/25 08:36	05/21/25 17:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					04/22/25 08:36	05/21/25 17:09	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	0.480	U	0.341	0.344	1.00	0.509	pCi/L	04/22/25 08:46	05/21/25 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					04/22/25 08:46	05/21/25 09:53	1
Y Carrier	77.8		30 - 110					04/22/25 08:46	05/21/25 09:53	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	0.744		0.400	0.404	5.00	0.509	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 20_FD

Lab Sample ID: 500-266801-22

Date Collected: 04/16/25 09:45

Matrix: Water

Date Received: 04/17/25 11:45

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	-0.00830	U	0.151	0.151	1.00	0.315	pCi/L	04/22/25 08:36	05/21/25 17:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					04/22/25 08:36	05/21/25 17:09	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	0.428	U	0.335	0.337	1.00	0.514	pCi/L	04/22/25 08:46	05/21/25 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					04/22/25 08:46	05/21/25 09:53	1
Y Carrier	77.4		30 - 110					04/22/25 08:46	05/21/25 09:53	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	0.428	U	0.367	0.369	5.00	0.514	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 21

Lab Sample ID: 500-266801-23

Date Collected: 04/16/25 11:50

Matrix: Water

Date Received: 04/17/25 11:45

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	0.403	U	0.336	0.338	1.00	0.510	pCi/L	04/22/25 08:36	05/21/25 17:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					04/22/25 08:36	05/21/25 17:10	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	1.14		0.528	0.538	1.00	0.713	pCi/L	04/22/25 08:46	05/21/25 09:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					04/22/25 08:46	05/21/25 09:55	1
Y Carrier	80.4		30 - 110					04/22/25 08:46	05/21/25 09:55	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.54		0.626	0.635	5.00	0.713	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 22

Lab Sample ID: 500-266801-24

Date Collected: 04/16/25 13:05

Matrix: Water

Date Received: 04/17/25 11:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.40		0.688	0.700	1.00	0.869	pCi/L	04/22/25 08:36	05/21/25 17:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					04/22/25 08:36	05/21/25 17:10	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.09	G	0.934	0.954	1.00	1.19	pCi/L	04/22/25 08:46	05/21/25 09:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					04/22/25 08:46	05/21/25 09:55	1
Y Carrier	74.4		30 - 110					04/22/25 08:46	05/21/25 09:55	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.49		1.16	1.18	5.00	1.19	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 22_FD

Lab Sample ID: 500-266801-25

Date Collected: 04/16/25 13:15

Matrix: Water

Date Received: 04/17/25 11:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.452	U	0.429	0.431	1.00	0.671	pCi/L	04/23/25 08:21	05/21/25 07:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.4		30 - 110					04/23/25 08:21	05/21/25 07:40	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	0.923	U G	0.689	0.694	1.00	1.05	pCi/L	04/23/25 08:24	05/20/25 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.4		30 - 110					04/23/25 08:24	05/20/25 11:50	1
Y Carrier	83.7		30 - 110					04/23/25 08:24	05/20/25 11:50	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	1.38		0.812	0.817	5.00	1.05	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 34

Lab Sample ID: 500-266801-26

Date Collected: 04/16/25 10:15

Matrix: Water

Date Received: 04/17/25 11:45

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	0.180	U	0.246	0.246	1.00	0.414	pCi/L	04/23/25 08:21	05/21/25 07:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					04/23/25 08:21	05/21/25 07:40	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.757	U	0.532	0.536	1.00	0.811	pCi/L	04/23/25 08:24	05/20/25 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					04/23/25 08:24	05/20/25 11:50	1
Y Carrier	80.0		30 - 110					04/23/25 08:24	05/20/25 11:50	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	0.936		0.586	0.590	5.00	0.811	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 36

Lab Sample ID: 500-266801-27

Date Collected: 04/17/25 08:20

Matrix: Water

Date Received: 04/17/25 11:45

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	0.285	U	0.205	0.207	1.00	0.294	pCi/L	04/23/25 08:21	05/21/25 07:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					04/23/25 08:21	05/21/25 07:40	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	0.144	U	0.319	0.320	1.00	0.558	pCi/L	04/23/25 08:24	05/20/25 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					04/23/25 08:24	05/20/25 11:50	1
Y Carrier	83.4		30 - 110					04/23/25 08:24	05/20/25 11:50	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	0.430	U	0.379	0.381	5.00	0.558	pCi/L		05/22/25 13:43	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 37

Lab Sample ID: 500-266801-28

Date Collected: 04/16/25 15:20

Matrix: Water

Date Received: 04/17/25 11:45

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	0.539		0.274	0.278	1.00	0.324	pCi/L	04/23/25 08:21	05/21/25 07:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					04/23/25 08:21	05/21/25 07:40	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	1.22		0.583	0.594	1.00	0.822	pCi/L	04/23/25 08:24	05/20/25 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					04/23/25 08:24	05/20/25 11:51	1
Y Carrier	81.9		30 - 110					04/23/25 08:24	05/20/25 11:51	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	1.76		0.644	0.656	5.00	0.822	pCi/L		05/22/25 13:43	1

Definitions/GlossaryClient: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD**Qualifiers****Rad**

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Rad

Prep Batch: 713484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	PrecSep-21	
500-266801-2	10R_FD	Total/NA	Water	PrecSep-21	
500-266801-3	16A	Total/NA	Water	PrecSep-21	
500-266801-4	FB	Total/NA	Water	PrecSep-21	
500-266801-5	03R	Total/NA	Water	PrecSep-21	
500-266801-6	05	Total/NA	Water	PrecSep-21	
500-266801-7	05_FD	Total/NA	Water	PrecSep-21	
500-266801-8	08R	Total/NA	Water	PrecSep-21	
500-266801-9	35&D	Total/NA	Water	PrecSep-21	
500-266801-10	38	Total/NA	Water	PrecSep-21	
500-266801-11	41	Total/NA	Water	PrecSep-21	
500-266801-12	42	Total/NA	Water	PrecSep-21	
500-266801-13	43	Total/NA	Water	PrecSep-21	
500-266801-14	70&D	Total/NA	Water	PrecSep-21	
500-266801-15	70#S	Total/NA	Water	PrecSep-21	
500-266801-16	71#S	Total/NA	Water	PrecSep-21	
500-266801-17	02	Total/NA	Water	PrecSep-21	
500-266801-18	04	Total/NA	Water	PrecSep-21	
500-266801-19	07R	Total/NA	Water	PrecSep-21	
MB 160-713484/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-713484/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-266801-13 MS	43	Total/NA	Water	PrecSep-21	
500-266801-13 MSD	43	Total/NA	Water	PrecSep-21	

Prep Batch: 713485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-1	10R	Total/NA	Water	PrecSep_0	
500-266801-2	10R_FD	Total/NA	Water	PrecSep_0	
500-266801-3	16A	Total/NA	Water	PrecSep_0	
500-266801-4	FB	Total/NA	Water	PrecSep_0	
500-266801-5	03R	Total/NA	Water	PrecSep_0	
500-266801-6	05	Total/NA	Water	PrecSep_0	
500-266801-7	05_FD	Total/NA	Water	PrecSep_0	
500-266801-8	08R	Total/NA	Water	PrecSep_0	
500-266801-9	35&D	Total/NA	Water	PrecSep_0	
500-266801-10	38	Total/NA	Water	PrecSep_0	
500-266801-11	41	Total/NA	Water	PrecSep_0	
500-266801-12	42	Total/NA	Water	PrecSep_0	
500-266801-13	43	Total/NA	Water	PrecSep_0	
500-266801-14	70&D	Total/NA	Water	PrecSep_0	
500-266801-15	70#S	Total/NA	Water	PrecSep_0	
500-266801-16	71#S	Total/NA	Water	PrecSep_0	
500-266801-17	02	Total/NA	Water	PrecSep_0	
500-266801-18	04	Total/NA	Water	PrecSep_0	
500-266801-19	07R	Total/NA	Water	PrecSep_0	
MB 160-713485/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-713485/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-266801-13 MS	43	Total/NA	Water	PrecSep_0	
500-266801-13 MSD	43	Total/NA	Water	PrecSep_0	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Rad

Prep Batch: 713708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-20	17	Total/NA	Water	PrecSep-21	
500-266801-21	20	Total/NA	Water	PrecSep-21	
500-266801-22	20_FD	Total/NA	Water	PrecSep-21	
500-266801-23	21	Total/NA	Water	PrecSep-21	
500-266801-24	22	Total/NA	Water	PrecSep-21	
MB 160-713708/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-713708/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 713709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-20	17	Total/NA	Water	PrecSep_0	
500-266801-21	20	Total/NA	Water	PrecSep_0	
500-266801-22	20_FD	Total/NA	Water	PrecSep_0	
500-266801-23	21	Total/NA	Water	PrecSep_0	
500-266801-24	22	Total/NA	Water	PrecSep_0	
MB 160-713709/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-713709/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 713894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-25	22_FD	Total/NA	Water	PrecSep-21	
500-266801-26	34	Total/NA	Water	PrecSep-21	
500-266801-27	36	Total/NA	Water	PrecSep-21	
500-266801-28	37	Total/NA	Water	PrecSep-21	
MB 160-713894/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-713894/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-266801-27 MS	36	Total/NA	Water	PrecSep-21	
500-266801-27 MSD	36	Total/NA	Water	PrecSep-21	

Prep Batch: 713895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-266801-25	22_FD	Total/NA	Water	PrecSep_0	
500-266801-26	34	Total/NA	Water	PrecSep_0	
500-266801-27	36	Total/NA	Water	PrecSep_0	
500-266801-28	37	Total/NA	Water	PrecSep_0	
MB 160-713895/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-713895/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-266801-27 MS	36	Total/NA	Water	PrecSep_0	
500-266801-27 MSD	36	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-713484/1-A

Matrix: Water

Analysis Batch: 718429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 713484

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
Radium-226	0.08737	U	0.225	0.225	1.00	0.405	pCi/L	04/21/25 07:28	05/20/25 17:45	1
Carrier	MB	MB	Limits							
	%Yield	Qualifier								
Ba Carrier	92.6		30 - 110							
		Prepared	Analyzed	Dil Fac						
		04/21/25 07:28	05/20/25 17:45	1						

Lab Sample ID: LCS 160-713484/2-A

Matrix: Water

Analysis Batch: 718429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 713484

					Total								
			Spike	LCS	LCS	Uncert.					%Rec		
Analyte			Added	Result	Qual	(2σ+/-)	RL	MDC	Unit	%Rec	Limits		
Radium-226			9.58	7.853		1.08	1.00	0.328	pCi/L	82	75 - 125		
			LCS	LCS									
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	91.8		30 - 110										

Lab Sample ID: 500-266801-13 MS

Matrix: Water

Analysis Batch: 718272

Client Sample ID: 43

Prep Type: Total/NA

Prep Batch: 713484

Analyte	Sample	Sample	Spike	MS	MS	Total	RL	MDC	Unit	%Rec	%Rec		
	Result	Qual	Added	Result	Qual	Uncert. (2σ+/-)					Limits		
Radium-226	0.689		9.52	9.363		1.25	1.00	0.411	pCi/L	91	60 - 140		
Carrier	MS %Yield	MS Qualifier	MS Limits										
Ba Carrier	90.0		30 - 110										

Lab Sample ID: 500-266801-13 MSD

Matrix: Water

Analysis Batch: 718272

Client Sample ID: 43

Prep Type: Total/NA

Prep Batch: 713484

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	0.689		9.56	8.584		1.18	1.00	0.404	pCi/L	83	60 - 140	0.32	1
MSD		MSD Qualifier	Limits										
Carrier	%Yield												
Ba Carrier	95.7		30 - 110										

Lab Sample ID: MB 160-713708/1-A

Matrix: Water

Analysis Batch: 718629

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 713708

Analyte	MB		Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-226	0.08829	U	0.180	0.180	1.00	0.323	pCi/L	04/22/25 08:36	05/21/25 17:02	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

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

Lab Sample ID: MB 160-713708/1-A

Matrix: Water

Analysis Batch: 718629

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 713708

		MB	MB												
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac									
Ba Carrier	91.3		30 - 110	04/22/25 08:36	05/21/25 17:02	1									

Lab Sample ID: LCS 160-713708/2-A

Matrix: Water

Analysis Batch: 718629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 713708

				Total								
		Spike	LCS	LCS	Uncert.					%Rec		
Analyte		Added	Result	Qual	(2σ+/-)	RL	MDC	Unit	%Rec	Limits		
Radium-226		9.58	8.980		1.21	1.00	0.388	pCi/L	94	75 - 125		
		LCS	LCS									
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	89.8		30 - 110									

Lab Sample ID: MB 160-713894/1-A

Matrix: Water

Analysis Batch: 718628

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 713894

			Count	Total							
	MB	MB	Uncert.	Uncert.							
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac	
Radium-226	-0.01632	U	0.115	0.115	1.00	0.251	pCi/L	04/23/25 08:21	05/21/25 07:40	1	
		MB	MB								
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	89.3		30 - 110								
								Prepared	Analyzed	Dil Fac	
								04/23/25 08:21	05/21/25 07:40	1	

Lab Sample ID: LCS 160-713894/2-A

Matrix: Water

Analysis Batch: 718628

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 713894

				Total							
		Spike	LCS	LCS	Uncert.					%Rec	
Analyte		Added	Result	Qual	(2σ+/-)	RL	MDC	Unit	%Rec	Limits	
Radium-226		9.58	7.716		1.02	1.00	0.264	pCi/L	81	75 - 125	
		LCS	LCS								
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	93.6		30 - 110								

Lab Sample ID: 500-266801-27 MS

Matrix: Water

Analysis Batch: 718628

Client Sample ID: 36

Prep Type: Total/NA

Prep Batch: 713894

						Total							
	Sample	Sample	Spike	MS	MS	Uncert.					%Rec		
Analyte	Result	Qual	Added	Result	Qual	(2σ+/-)	RL	MDC	Unit	%Rec	Limits		
Radium-226	0.285	U	9.56	8.654		1.12	1.00	0.305	pCi/L	87	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	89.3		30 - 110										

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

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

Lab Sample ID: 500-266801-27 MSD

Matrix: Water

Analysis Batch: 718628

Client Sample ID: 36

Prep Type: Total/NA

Prep Batch: 713894

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	0.285	U	9.55	9.883		1.24	1.00	0.252	pCi/L	101	60 - 140	0.52	1
Carrier	MSD %Yield	MSD Qualifier	Limits										
Ba Carrier	86.7		30 - 110										

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-713485/1-A

Matrix: Water

Analysis Batch: 718272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 713485

Analyte	MB Result	MB Qualifier	Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4679	U	0.355	0.357	1.00	0.544	pCi/L	04/21/25 07:32	05/20/25 09:41	1
Carrier	MB %Yield	MB Qualifier	Limits							
Ba Carrier	92.6		30 - 110							
Y Carrier	80.4		30 - 110							
								Prepared	Analyzed	Dil Fac
								04/21/25 07:32	05/20/25 09:41	1
								04/21/25 07:32	05/20/25 09:41	1

Lab Sample ID: LCS 160-713485/2-A

Matrix: Water

Analysis Batch: 718272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 713485

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.43	10.99		1.44	1.00	0.556	pCi/L	117	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	91.8		30 - 110						
Y Carrier	81.5		30 - 110						

Lab Sample ID: 500-266801-13 MS

Matrix: Water

Analysis Batch: 718433

Client Sample ID: 43

Prep Type: Total/NA

Prep Batch: 713485

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	0.772		9.37	11.07		1.44	1.00	0.521	pCi/L	110	60 - 140
Carrier	MS %Yield	MS Qualifier	Limits								
Ba Carrier	90.0		30 - 110								
Y Carrier	80.4		30 - 110								

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 500-266801-13 MSD

Matrix: Water

Analysis Batch: 718433

Client Sample ID: 43

Prep Type: Total/NA

Prep Batch: 713485

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	0.772		9.41	10.24		1.35	1.00	0.509	pCi/L	101	60 - 140	0.30	1
Carrier	MSD %Yield	MSD Qualifier	MSD Limits										
Ba Carrier	95.7		30 - 110										
Y Carrier	82.2		30 - 110										

Lab Sample ID: MB 160-713709/1-A

Matrix: Water

Analysis Batch: 718627

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 713709

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4052	U	0.362	0.363	1.00	0.572	pCi/L	04/22/25 08:46	05/21/25 09:50	1
Carrier	MB %Yield	MB Qualifier	MB Limits							
Ba Carrier	91.3		30 - 110							
Y Carrier	77.8		30 - 110							
								Prepared	Analyzed	Dil Fac
								04/22/25 08:46	05/21/25 09:50	1
								04/22/25 08:46	05/21/25 09:50	1

Lab Sample ID: LCS 160-713709/2-A

Matrix: Water

Analysis Batch: 718627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 713709

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.43	11.60		1.53	1.00	0.564	pCi/L	123	75 - 125
Carrier	LCS %Yield	LCS Qualifier	LCS Limits						
Ba Carrier	89.8		30 - 110						
Y Carrier	77.4		30 - 110						

Lab Sample ID: MB 160-713895/1-A

Matrix: Water

Analysis Batch: 718429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 713895

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.05245	U	0.268	0.269	1.00	0.518	pCi/L	04/23/25 08:24	05/20/25 11:49	1
Carrier	MB %Yield	MB Qualifier	MB Limits							
Ba Carrier	89.3		30 - 110							
Y Carrier	86.0		30 - 110							
								Prepared	Analyzed	Dil Fac
								04/23/25 08:24	05/20/25 11:49	1
								04/23/25 08:24	05/20/25 11:49	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-713895/2-A

Matrix: Water

Analysis Batch: 718429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 713895

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.43	9.830		1.30	1.00	0.480	pCi/L	104	75 - 125		

	LCS %Yield	LCS Qualifier	Limits
Carrier			
Ba Carrier	93.6		30 - 110
Y Carrier	85.2		30 - 110

Lab Sample ID: 500-266801-27 MS

Matrix: Water

Analysis Batch: 718429

Client Sample ID: 36

Prep Type: Total/NA

Prep Batch: 713895

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.144	U	9.42	10.26		1.35	1.00	0.518	pCi/L	107	60 - 140		

	MS %Yield	MS Qualifier	Limits
Carrier			
Ba Carrier	89.3		30 - 110
Y Carrier	87.1		30 - 110

Lab Sample ID: 500-266801-27 MSD

Matrix: Water

Analysis Batch: 718429

Client Sample ID: 36

Prep Type: Total/NA

Prep Batch: 713895

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	0.144	U	9.40	10.14		1.36	1.00	0.519	pCi/L	106	60 - 140	0.05	1

	MSD %Yield	MSD Qualifier	Limits
Carrier			
Ba Carrier	86.7		30 - 110
Y Carrier	84.9		30 - 110

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 10R

Lab Sample ID: 500-266801-1

Date Collected: 04/14/25 15:25

Matrix: Water

Date Received: 04/15/25 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 17:46
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 10R_FD

Lab Sample ID: 500-266801-2

Date Collected: 04/14/25 15:40

Matrix: Water

Date Received: 04/15/25 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 17:46
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 16A

Lab Sample ID: 500-266801-3

Date Collected: 04/14/25 16:25

Matrix: Water

Date Received: 04/15/25 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 17:46
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: FB

Lab Sample ID: 500-266801-4

Date Collected: 04/15/25 08:40

Matrix: Water

Date Received: 04/15/25 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:44
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 03R

Lab Sample ID: 500-266801-5

Date Collected: 04/15/25 11:00

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:44
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 05

Lab Sample ID: 500-266801-6

Date Collected: 04/15/25 14:25

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:44
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 05_FD

Lab Sample ID: 500-266801-7

Date Collected: 04/15/25 14:30

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:44
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 08R

Lab Sample ID: 500-266801-8

Date Collected: 04/15/25 11:30

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:44
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 35&D

Lab Sample ID: 500-266801-9

Date Collected: 04/15/25 08:35

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:45
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718272	SWS	EET SL	05/20/25 09:42
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 38

Lab Sample ID: 500-266801-10

Date Collected: 04/15/25 15:05

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:45
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718433	SWS	EET SL	05/20/25 09:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 41

Lab Sample ID: 500-266801-11

Date Collected: 04/15/25 14:05

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:45
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718433	SWS	EET SL	05/20/25 09:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 42

Lab Sample ID: 500-266801-12

Date Collected: 04/15/25 16:20

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:45
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718433	SWS	EET SL	05/20/25 09:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 43

Lab Sample ID: 500-266801-13

Date Collected: 04/15/25 15:30

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718272	SWS	EET SL	05/20/25 17:45
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718433	SWS	EET SL	05/20/25 09:34
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 70&D

Lab Sample ID: 500-266801-14

Date Collected: 04/15/25 11:05

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 18:06
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718433	SWS	EET SL	05/20/25 09:34
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 70#S

Lab Sample ID: 500-266801-15

Date Collected: 04/15/25 11:40

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 18:06
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718433	SWS	EET SL	05/20/25 09:34
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 71#S

Lab Sample ID: 500-266801-16

Date Collected: 04/15/25 12:40

Matrix: Water

Date Received: 04/16/25 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 18:06
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718433	SWS	EET SL	05/20/25 09:34
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 02

Date Collected: 04/16/25 14:00

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 18:06
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718442	SWS	EET SL	05/20/25 10:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 04

Date Collected: 04/16/25 08:15

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:28
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 19:39
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718442	SWS	EET SL	05/20/25 10:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 12:15

Client Sample ID: 07R

Date Collected: 04/16/25 14:40

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713484	OGC	EET SL	04/21/25 07:31
Total/NA	Analysis	903.0		1	718429	SWS	EET SL	05/20/25 19:39
Total/NA	Prep	PrecSep_0			713485	OGC	EET SL	04/21/25 07:32
Total/NA	Analysis	904.0		1	718442	SWS	EET SL	05/20/25 10:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Client Sample ID: 17

Date Collected: 04/16/25 14:20

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713708	TYB	EET SL	04/22/25 08:36
Total/NA	Analysis	903.0		1	718627	SWS	EET SL	05/21/25 17:07
Total/NA	Prep	PrecSep_0			713709	TYB	EET SL	04/22/25 08:46
Total/NA	Analysis	904.0		1	718627	SWS	EET SL	05/21/25 09:53
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 20

Date Collected: 04/16/25 09:35

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713708	TYB	EET SL	04/22/25 08:36
Total/NA	Analysis	903.0		1	718628	SWS	EET SL	05/21/25 17:09
Total/NA	Prep	PrecSep_0			713709	TYB	EET SL	04/22/25 08:46
Total/NA	Analysis	904.0		1	718627	SWS	EET SL	05/21/25 09:53
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Client Sample ID: 20_FD

Date Collected: 04/16/25 09:45

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713708	TYB	EET SL	04/22/25 08:36
Total/NA	Analysis	903.0		1	718628	SWS	EET SL	05/21/25 17:09
Total/NA	Prep	PrecSep_0			713709	TYB	EET SL	04/22/25 08:46
Total/NA	Analysis	904.0		1	718627	SWS	EET SL	05/21/25 09:53
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Client Sample ID: 21

Date Collected: 04/16/25 11:50

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713708	TYB	EET SL	04/22/25 08:36
Total/NA	Analysis	903.0		1	718628	SWS	EET SL	05/21/25 17:10
Total/NA	Prep	PrecSep_0			713709	TYB	EET SL	04/22/25 08:46
Total/NA	Analysis	904.0		1	718628	SWS	EET SL	05/21/25 09:55
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Client Sample ID: 22

Date Collected: 04/16/25 13:05

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713708	TYB	EET SL	04/22/25 08:36
Total/NA	Analysis	903.0		1	718628	SWS	EET SL	05/21/25 17:10
Total/NA	Prep	PrecSep_0			713709	TYB	EET SL	04/22/25 08:46
Total/NA	Analysis	904.0		1	718628	SWS	EET SL	05/21/25 09:55
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Client Sample ID: 22_FD

Date Collected: 04/16/25 13:15

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713894	OGC	EET SL	04/23/25 08:21
Total/NA	Analysis	903.0		1	718628	SWS	EET SL	05/21/25 07:40
Total/NA	Prep	PrecSep_0			713895	OGC	EET SL	04/23/25 08:24
Total/NA	Analysis	904.0		1	718429	SWS	EET SL	05/20/25 11:50
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Client Sample ID: 34

Date Collected: 04/16/25 10:15

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713894	OGC	EET SL	04/23/25 08:21
Total/NA	Analysis	903.0		1	718628	SWS	EET SL	05/21/25 07:40
Total/NA	Prep	PrecSep_0			713895	OGC	EET SL	04/23/25 08:24
Total/NA	Analysis	904.0		1	718429	SWS	EET SL	05/20/25 11:50
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Client Sample ID: 36

Date Collected: 04/17/25 08:20

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713894	OGC	EET SL	04/23/25 08:21
Total/NA	Analysis	903.0		1	718628	SWS	EET SL	05/21/25 07:40
Total/NA	Prep	PrecSep_0			713895	OGC	EET SL	04/23/25 08:24
Total/NA	Analysis	904.0		1	718429	SWS	EET SL	05/20/25 11:50
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

Client Sample ID: 37

Date Collected: 04/16/25 15:20

Date Received: 04/17/25 11:45

Lab Sample ID: 500-266801-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			713894	OGC	EET SL	04/23/25 08:21
Total/NA	Analysis	903.0		1	718628	SWS	EET SL	05/21/25 07:40
Total/NA	Prep	PrecSep_0			713895	OGC	EET SL	04/23/25 08:24
Total/NA	Analysis	904.0		1	718429	SWS	EET SL	05/20/25 11:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	718403	SCB	EET SL	05/22/25 13:43

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-25Q2

Job ID: 500-266801-2
SDG: VER_000_RAD

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228
Ra226_Ra228 Pos		Water	Radium 226 and 228

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Page 1 of 3

Company: Vistra Corp-Vermilion		Report To: Brian Voelker		Attention: Dianna Tickner																
Address 10188 E 2150 North Rd		Copy To: Dianna Tickner - dianna.tickner@vistracorp.com		Company Name Vistra Corp																
Danville, IL 61834				Address. see Section A																
Email To Brian.Voelker@VistraCorp.com				Purchase Order No.																
Phone* (217) 753-8911 Fax:				Project Name:																
Requested Due Date/TAT 10 day				Project Number: 50024222																
				Quote Reference:																
				Project Manager:																
				Profile #:																
				<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td>IL</td> <td></td> </tr> <tr> <td>STATE</td> <td></td> <td></td> </tr> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE		
REGULATORY AGENCY																				
NPDES	GROUND WATER	DRINKING WATER																		
UST	RCRA	OTHER																		
Site Location	IL																			
STATE																				

500-266801 COC

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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VER-25Q2 Rev 0	George Ravalley / ASE	4/15/25	1000	M. J. Elkin	4/15/25	0944				
	M. J. Elkin	4/15/25	1215	John Smith	4/15/25	1215				
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER SIGNATURE of SAMPLER. DATE Signed MM/DD/YY							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
George Ravalley  4/15/25										

5.2 → 5.5

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ITEM #	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		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.
		DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl			NaOH	Na ₂ S ₂ O ₃	Methanol	Other	VER-000-RAD	VER-845-910-911	VER-845-912	VER-NPDES-912		VER-000-A	VER-000-B	VER-000-C											
1	21														X	X																
2	22														X		X															
3	22_FD														X		X															
4	34														X	X																
5	35&D														X		X	X	X											MS/MSD		
6	35#S														X		X	X	X													
7	36														X	X																
8	37														X	X																
9	38														X	X																
10	41														X	X																
11	42														X	X																
12	43														X	X														MS/MSD		
13	70&D														X		X															
14	70#S														X		X															
15	71&D														X		X															
16	71#S														X		X															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VER-25Q2 Rev 0	<i>[Signature]</i>	4/15	0900	<i>[Signature]</i>	4/15/25	0944				
	<i>[Signature]</i>	4/15/25	1215	<i>[Signature]</i>	4/15/25	1215				

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

05/22/25

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Section C
Invoice Information.

Page 3 of 3

Company	Vistra Corp-Vermillion	Report To: Brian Voelker	Attention: Dianna Tickner			
Address	10188 E 2150 North Rd	Copy To: Dianna Tickner - dianna.tickner@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
	Danville, IL 61834		Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.	Quote Reference	UST	RCRA	OTHER
Phone	(217) 753-8911	Fax:	Project Name	Site Location		
			Project Manager:	STATE:	IL	
	Requested Due Date/TAT	10 day	Project Number: 50024222			
			Profile #:			

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05/22/25

CHAIN-OF-CUSTODY / Analytical Request Document

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500-266801

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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:	Dianna Tickner - dianna.tickner@vistracorp.com
Purchase Order No.	
Project Name	
Project Number	50024222

Section C
Invoice Information

Attention	Dianna Tickner
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	IL	
STATE:		

500-266801 COC

Requested Analysis Filtered (Y/N)

ITEM #	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	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓ Y/N ↓											Residual Chlorine (Y/N)	Project No./ Lab I D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	VER-000-RAD	VER-845-910-911		VER-845-912	VER-NPDES-912	VER-000-A	VER-000-B	VER-000-C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VER-25Q2 Rev 0	20E/George Adams	4/16/25	0930	20E/George Adams	4/16/25	0930				
	20E/George Adams	4/16/25	1236	20E/George Adams	4/16/25	1236				
SAMPLER NAME AND SIGNATURE							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER										
SIGNATURE of SAMPLER										
DATE Signed (MM/DD/YY)										

22-25, 45-48, 11-17, 12-18

500-266801

500-266801

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Chain of Custody Record



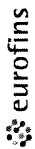
Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Nelson, Dirk	Carrier Tracking No(s): N/A	IOC No: 500-199826.1													
Client Contact Shipping/Receiving		Phone: N/A	E-Mail: Dirk.Nelson@et.eurofins.com	State of Origin: Illinois	Page: Page 1 of 2													
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois			Job #: 500-266801-1													
Address: 13715 Rider Trail North,		Due Date Requested: 4/29/2025																
City: Earth City		TAT Requested (days): N/A																
State, Zip: MO, 63045		PO #: N/A																
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		WO #: N/A																
Email: N/A		Project #: 50024222																
Site: Vistra Corp-Vermilion		SSOW#: N/A																
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, BT=Tissue, AA=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 BL	904.0/PrecSep_0 BL	Ra226_228GFP_C/P BL	Analysis Requested				Total Number of containers		Special Instructions/Note:	
03R (500-266801-5)	4/15/25	11:00 Central	G	Water		X	X	X	X	X	2							
05 (500-266801-6)	4/15/25	14:25 Central	G	Water		X	X	X	X	X	2							
05_FD (500-266801-7)	4/15/25	14:30 Central	G	Water		X	X	X	X	X	2							
07R (500-266801-8)	4/15/25	11:30 Central	G	Water		X	X	X	X	X	2							
35&D (500-266801-9)	4/15/25	08:35 Central	G	Water		X	X	X	X	X	2							
38 (500-266801-10)	4/15/25	15:05 Central	G	Water		X	X	X	X	X	2							
41 (500-266801-11)	4/15/25	14:05 Central	G	Water		X	X	X	X	X	2							
42 (500-266801-12)	4/15/25	16:20 Central	G	Water		X	X	X	X	X	2							
43 (500-266801-13)	4/15/25	15:30 Central	G	Water		X	X	X	X	X	2							
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.																		
Possible Hazard Identification																		
Unconfirmed																		
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2																		
Empty Kit Relinquished by: _____ Date: _____ Time: _____																		
Relinquished by: <i>Dirk Nelson</i> Date: <i>4/16/25</i> Time: <i>1530</i> Company: _____																		
Relinquished by: _____ Date: _____ Time: _____ Company: _____																		
Relinquished by: _____ Date: _____ Time: _____ Company: _____																		
Custody Seals Intact: _____ Custody Seal No.: _____																		
Cooler Temperature(s) °C and Other Remarks: _____																		

Eurofins Chicago

18410 Crossing Drive Suite E
Tinley Park, IL 60487

Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Nelson, Dirk	Carrier Tracking No(s): N/A	COC No: 500-198863.1							
Client Contact:		Phone: N/A	E-Mail: Dirk.Nelson@et.eurofins.com	State of Origin: Illinois	Page: Page 1 of 2							
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois			Job #: 500-266801-1							
Address: 13715 Rider Trail North, ,		Due Date Requested: 4/30/2025			Preservation Codes:							
City: Earth City		TAT Requested (days): N/A			Analysis Requested							
State, Zip: MO, 63045												
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #: N/A										
Email: N/A		WO #: N/A										
Project #: 50024222												
Site: Vistra Corp-Vermilion		SSOW#: N/A										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	90.0/PreSep_21 BL	90.4/PreSep_0 BL	Ra226_228GFP_C/ BL	Total Number of containers	Special Instructions/Note:
02 (500-266801-17)	4/16/25	14:00 Central	G	Water	X	X	X	X	X	X	2	
04 (500-266801-18)	4/16/25	08:15 Central	G	Water		X	X	X	X	X	2	
07R (500-266801-19)	4/16/25	14:40 Central	G	Water		X	X	X	X	X	2	
17 (500-266801-20)	4/16/25	14:20 Central	G	Water		X	X	X	X	X	2	
20 (500-266801-21)	4/16/25	09:35 Central	G	Water		X	X	X	X	X	2	
20_FD (500-266801-22)	4/16/25	09:45 Central	G	Water		X	X	X	X	X	2	
21 (500-266801-23)	4/16/25	11:50 Central	G	Water		X	X	X	X	X	2	
22 (500-266801-24)	4/16/25	13:05 Central	G	Water		X	X	X	X	X	2	
22_FD (500-266801-25)	4/16/25	13:15 Central	G	Water		X	X	X	X	X	2	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.												
Possible Hazard Identification												
Unconfirmed												
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2												
Empty Kit Relinquished by: Date: Time: Method of Shipment:												
Relinquished by: Stephanie Hernandez Date/Time: 4/17/25 1700 Company: BEIA Received by: M. Pinette Date/Time: APR 18 2025 0830 Company:												
Relinquished by: Date/Time: Company:												
Relinquished by: Date/Time: Company:												
Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:												

Ver: 10/10/2024

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-266801-2

SDG Number: VER_000_RAD

Login Number: 266801

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.5,2.5,4.8,1.7,1.8,5.7,5.8,5.1,5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Eurofins Chicago

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-266801-2

SDG Number: VER_000_RAD

Login Number: 266801

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 04/16/25 11:02 AM

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

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

Eurofins Chicago

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-266801-2

SDG Number: VER_000_RAD

Login Number: 266801

List Number: 3

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 04/17/25 11:00 AM

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

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

Eurofins Chicago

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-266801-2

SDG Number: VER_000_RAD

Login Number: 266801

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 04/18/25 11:34 AM

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

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

Eurofins Chicago

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
SDG: VER_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)			
Lab Sample ID	Client Sample ID	Ba			
		(30-110)			
500-266801-1	10R	86.4			
500-266801-2	10R_FD	92.6			
500-266801-3	16A	97.4			
500-266801-4	FB	94.4			
500-266801-5	03R	88.2			
500-266801-6	05	88.5			
500-266801-7	05_FD	95.9			
500-266801-8	08R	86.7			
500-266801-9	35&D	91.3			
500-266801-10	38	93.6			
500-266801-11	41	88.2			
500-266801-12	42	89.0			
500-266801-13	43	86.4			
500-266801-13 MS	43	90.0			
500-266801-13 MSD	43	95.7			
500-266801-14	70&D	88.2			
500-266801-15	70#S	91.3			
500-266801-16	71#S	92.6			
500-266801-17	02	91.0			
500-266801-18	04	94.4			
500-266801-19	07R	85.9			
500-266801-20	17	95.4			
500-266801-21	20	89.8			
500-266801-22	20_FD	95.9			
500-266801-23	21	91.8			
500-266801-24	22	75.4			
500-266801-25	22_FD	84.4			
500-266801-26	34	89.5			
500-266801-27	36	88.5			
500-266801-27 MS	36	89.3			
500-266801-27 MSD	36	86.7			
500-266801-28	37	91.8			
LCS 160-713484/2-A	Lab Control Sample	91.8			
LCS 160-713708/2-A	Lab Control Sample	89.8			
LCS 160-713894/2-A	Lab Control Sample	93.6			
MB 160-713484/1-A	Method Blank	92.6			
MB 160-713708/1-A	Method Blank	91.3			
MB 160-713894/1-A	Method Blank	89.3			
Tracer/Carrier Legend					
Ba = Ba Carrier					

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)			
Lab Sample ID	Client Sample ID	Ba	Y		
		(30-110)	(30-110)		
500-266801-1	10R	86.4	84.5		
500-266801-2	10R_FD	92.6	82.6		

Eurofins Chicago

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q2Job ID: 500-266801-2
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)
500-266801-3	16A	97.4	82.6
500-266801-4	FB	94.4	80.7
500-266801-5	03R	88.2	81.9
500-266801-6	05	88.5	76.6
500-266801-7	05_FD	95.9	81.1
500-266801-8	08R	86.7	81.9
500-266801-9	35&D	91.3	82.6
500-266801-10	38	93.6	84.5
500-266801-11	41	88.2	83.0
500-266801-12	42	89.0	80.4
500-266801-13	43	86.4	79.3
500-266801-13 MS	43	90.0	80.4
500-266801-13 MSD	43	95.7	82.2
500-266801-14	70&D	88.2	80.7
500-266801-15	70#S	91.3	81.1
500-266801-16	71#S	92.6	83.7
500-266801-17	02	91.0	83.7
500-266801-18	04	94.4	82.6
500-266801-19	07R	85.9	81.1
500-266801-20	17	95.4	66.2
500-266801-21	20	89.8	77.8
500-266801-22	20_FD	95.9	77.4
500-266801-23	21	91.8	80.4
500-266801-24	22	75.4	74.4
500-266801-25	22_FD	84.4	83.7
500-266801-26	34	89.5	80.0
500-266801-27	36	88.5	83.4
500-266801-27 MS	36	89.3	87.1
500-266801-27 MSD	36	86.7	84.9
500-266801-28	37	91.8	81.9
LCS 160-713485/2-A	Lab Control Sample	91.8	81.5
LCS 160-713709/2-A	Lab Control Sample	89.8	77.4
LCS 160-713895/2-A	Lab Control Sample	93.6	85.2
MB 160-713485/1-A	Method Blank	92.6	80.4
MB 160-713709/1-A	Method Blank	91.3	77.8
MB 160-713895/1-A	Method Blank	89.3	86.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer						
Project Number: <u>2024-1441 2025.0021</u> Task #:			Start Date: <u>4/16/2025</u>			Time: <u>1325</u>						
Field Personnel: <u>G. Assallin</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>02</u>					Well Development Well Volume Approach Sampling							
Casing ID: _____ Inches					Low-Flow / Low Stress Sampling Other YSI SERIAL NO: <u>411414X</u> (Specify): Low Flow Heron Serial NO: <u>u109391X</u>							
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>1330</u>	—	<u>18.41</u>	—	—	—	—	—	—	—	—
Purge	5	<u>1335</u>	<u>0.57</u>	<u>19.44</u>	—	<u>12.9</u>	<u>7.69</u>	<u>930</u>	<u>2.61</u>	<u>5.12</u>	<u>-75.1</u>	<u>clear</u>
	10	<u>1340</u>	<u>1</u>	<u>21.99</u>	—	<u>12.9</u>	<u>7.73</u>	<u>952</u>	<u>0.49</u>	<u>4.21</u>	<u>-128.4</u>	<u>" "</u>
	15	<u>1345</u>	<u>2</u>	<u>21.85</u>	—	<u>13.0</u>	<u>7.72</u>	<u>956</u>	<u>0.26</u>	<u>5.18</u>	<u>-148.7</u>	<u>" "</u>
*****	20	<u>1356</u>	<u>3</u>	<u>21.80</u>	—	<u>13.0</u>	<u>7.71</u>	<u>957</u>	<u>0.19</u>	<u>5.98</u>	<u>-150.2</u>	<u>" "</u>
↓	25	<u>1355</u>	<u>4</u>	<u>21.82</u>	—	<u>13.1</u>	<u>7.71</u>	<u>960</u>	<u>0.14</u>	<u>6.06</u>	<u>-155.7</u>	<u>" "</u>
Sand	30	<u>1400</u>	—	—	—	—	—	—	—	—	—	—
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)									ABBREVIATIONS			
Sampled @ <u>1400</u> on <u>4/15/2025</u>									Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC -			
									FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard			

02 sampled @ 1400 on 4/16/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Huron Vermilion 2025.0021</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer						
Project Number: <u>2025-114</u>			Task #: <u>6. AS 50114</u>			Start Date: <u>4/15/2025</u>			Time: <u>1020</u>			
Field Personnel: <u>G. As 50114</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>03R</u>					Well Development							
Casing ID: _____ Inches					Well Volume Approach Sampling							
					Low-Flow / Low Stress Sampling Other YSI SERIAL NO: <u>1115939X</u> (Specify): Low Flow Heron Serial NO: <u>09335X</u>							
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1025	—	7.41	—	—	—	—	—	—	—	—
Purge	5	1030	0.5	7.56	—	11.9	6.48	1466	4.02	164.30	-7.4	Clear
	10	1035	1	7.50	—	11.6	6.92	1458	1.41	237.90	-100.9	" "
	15	1040	1.5	7.49	—	11.4	7.00	1489	0.30	308.20	-123.3	Cloudy
*****	20	1045	2	7.50	—	11.4	7.02	1488	0.98	300.72	-120.1	Cloudy
	25	1050	2.5	7.46	—	11.4	7.03	1485	1.02	308.72	-117.0	" "
	30	1055	3	7.50	—	11.4	7.04	1484	1.68	307.42	-115.3	" "
Sample	35	1100	3	7.55	—	—	—	—	—	—	—	—
	40											
	45											
	50											
	55											
	60											
NOTES (continued)									ABBREVIATIONS			
Sampled @ 1100 on 4/15/2025									Cond. - Actual Conductivity			
									FT BTOC - Feet Below Top of Casing na -			
									ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard			

03R sampled @ 1100 on 4/15/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Honoring Vermillion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Resistaltic Pump Portable Bladder Bailer								
Project Number: <u>2024-111-2025.0021</u>			Task #: <u></u>			Start Date: <u>4/16/2025</u>			Time: <u>740</u>					
Field Personnel: <u>Lorne</u>														
WELL INFORMATION					EVENT TYPE									
Well ID: <u>4</u>					Well Development				Low-Flow / Low Stress Sampling Other				YSI SERIAL NO: <u>01196224</u>	
Casing ID: <u>2</u> <u>(Inches)</u>					Well Volume Approach Sampling				(Specify): Low Flow				Heron Serial NO: <u>17448</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)														
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	0740		7.11								<u>Clear</u>		
Purge	5	0745		7.19		9.2	7.46	503	0.74	23.89	-24.5			
	10	0750	1 GAL	7.26		9.2	7.48	505	0.41	13.99	-71.7			
	15	0755		7.32		9.2	7.44	519	0.24	11.37	-89.8			
*****	20	0800		7.38		9.2	7.41	525	0.21	10.50	-96.1			
	25	0805	1 GAL	7.41		9.2	7.42	538	0.20	9.90	-98.2			
	30	0810		7.48		9.2	7.42	529	0.21	8.17	-97.7			
	35	0815	2.5 GAL	7.52		9.2	7.43	528	0.20	8.62	-99.5			
	40													
	45													
	50													
	55													
	60													
NOTES (continued)									ABBREVIATIONS					
Sampled @ <u>0815</u> on <u>4/16/2025</u>									Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC -	
									FT BTOC - Feet Below Top of Casing na -				Specific Electrical Conductance SU - Standard	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hemlock Vermillion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailor						
Project Number: <u>2025-111 2025.021</u> Task #:			Start Date: <u>4/15/2025</u>			Time: <u>1356</u>						
Field Personnel: <u>G. Armitage</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>5</u> Casing ID: _____ Inches					Well Development Well Volume Approach Sampling			Low-Flow / Low Stress Sampling Other (Specify): Low Flow			YSI SERIAL NO: <u>U115039X</u> Heron Serial NO: <u>U109389X</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1400	—	7.05	—	—	—	—	—	—	—	—
Purge	5	1405	0.5	7.42	—	10.6	7.29	823	0.57	3.70	36.1	clear
	10	1410	1	7.75	—	10.6	7.23	823	0.12	3.19	39.9	" "
	15	1415	2.5	7.74	—	10.6	7.23	823	0.07	6.15	39.0	" "
*****	20	1420	4	7.71	—	10.6	7.21	824	0.04	3.02	36.6	" "
Sample	25	1425	—	7.73	—	—	—	—	—	—	—	—
Sample	30	1430	—	7.75	—	—	—	—	—	—	—	—
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
Sampled @ 1425 Sampled @ 1430 on 4/15/2025								Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard				

5 sampled @ 1425 on 4/15/25
5FD sampled @ 1430 on 4/15/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: Hampton <u>Vermilion</u> 2025-0021			Client: <u>Vistra</u>		Sampling Equipment Used (Circle One): Dedicated Bladder <u>Peristaltic Pump</u> Portable Bladder Bailer									
Project Number: <u>2024-1111</u>		Task #:		Start Date: <u>4/16</u> /2025		Time: <u>1355</u>								
Field Personnel: <u>G. Armstrong</u>														
WELL INFORMATION					EVENT TYPE									
Well ID: <u>OTR</u>					Well Development			Low-Flow / Low Stress Sampling Other			YSI SERIAL NO: <u>61144147</u>			
Casing ID: _____ Inches					Well Volume Approach Sampling			(Specify): Low Flow			Heron Serial NO: <u>U1043394</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)														
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	<u>1400</u>	<u>—</u>	<u>18.29</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>		
Purge	5	<u>1405</u>	<u>0.5</u>	<u>18.35</u>		<u>11.7</u>	<u>7.31</u>	<u>2678</u>	<u>7.88</u>	<u>286.23</u>	<u>-68.5</u>	<u>Orange</u>		
	10	<u>1410</u>	<u>0.8</u>	<u>18.21</u>		<u>11.6</u>	<u>6.91</u>	<u>2791</u>	<u>4.89</u>	<u>150.27</u>	<u>-34.8</u>	<u>Clear</u>		
	15	<u>1415</u>	<u>1</u>	<u>18.53</u>		<u>11.9</u>	<u>6.91</u>	<u>2799</u>	<u>3.21</u>	<u>54.73</u>	<u>-9.1</u>	<u>Clear</u>		
*****	20	<u>1420</u>	<u>1</u>	<u>18.69</u>		<u>12.0</u>	<u>6.90</u>	<u>2804</u>	<u>3.60</u>	<u>56.40</u>	<u>3.1</u>	<u>" "</u>		
	25	<u>1425</u>	<u>1.5</u>	<u>18.68</u>		<u>12.0</u>	<u>6.90</u>	<u>2808</u>	<u>3.47</u>	<u>55.37</u>	<u>9.90</u>	<u>" "</u>		
	30	<u>1430</u>	<u>2</u>	<u>18.70</u>		<u>12.1</u>	<u>6.91</u>	<u>2808</u>	<u>3.57</u>	<u>53.72</u>	<u>16.30</u>	<u>" "</u>		
	35	<u>1435</u>	<u>2.5</u>	<u>18.71</u>		<u>12.1</u>	<u>6.91</u>	<u>2806</u>	<u>3.60</u>	<u>54.32</u>	<u>15.76</u>	<u>" "</u>		
Sample	40	<u>1440</u>	<u>3</u>	<u>18.69</u>		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>		
	45													
	50													
	55													
	60													
NOTES (continued)									ABBREVIATIONS					
Sampled @ <u>1440</u> on <u>4/16</u> / 2025									Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC -	
									FT BTOC - Feet Below Top of Casing na -				Specific Electrical Conductance SU - Standard	

OTR Sampled @ 1440 on 4/16/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer						
Project Number: <u>2024-144 2025.0021</u>			Task #:			Start Date: <u>4/15/2025</u>			Time: <u>1100</u>			
Field Personnel: <u>G. Arallay</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>8R</u>					Well Development							
Casing ID: _____ Inches					Well Volume Approach Sampling							
					Low-Flow / Low Stress Sampling Other (Specify): Low Flow							
					YSI SERIAL NO: <u>4115939X</u> Heron Serial NO: <u>4119335X</u>							
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>1100</u>	<u>—</u>	<u>12.71</u>		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Purge	5	<u>1105</u>	<u>0.5</u>	<u>12.99</u>		<u>11.1</u>	<u>7.00</u>	<u>1275</u>	<u>0.13</u>	<u>288.70</u>	<u>-45.7</u>	<u>12.4</u>
	10	<u>1110</u>	<u>1</u>	<u>13.35</u>		<u>10.7</u>	<u>6.60</u>	<u>1227</u>	<u>0.19</u>	<u>17.12</u>	<u>-22.7</u>	<u>6.12</u>
	15	<u>1115</u>	<u>2</u>	<u>13.42</u>		<u>10.7</u>	<u>6.67</u>	<u>1294</u>	<u>0.18</u>	<u>4.81</u>	<u>-33.5</u>	<u>" "</u>
*****	20	<u>1120</u>	<u>3</u>	<u>13.32</u>		<u>10.7</u>	<u>6.71</u>	<u>1305</u>	<u>0.12</u>	<u>5.80</u>	<u>-42.3</u>	<u>" "</u>
Sample	25	<u>1125</u>	<u>3.5</u>	<u>13.34</u>		<u>10.7</u>	<u>6.72</u>	<u>1309</u>	<u>0.09</u>	<u>3.45</u>	<u>-46.3</u>	<u>" "</u>
	30	<u>1130</u>	<u>4</u>	<u>12.54</u>		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)									ABBREVIATIONS			
Sampled @ 1130 on 4/15/2025									Cond. - Actual Conductivity			
									FT BTOC - Feet Below Top of Casing na -			
									ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard			

8R sampled @ 1130 on 4/15/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer						
Project Number: <u>2024-1144 2025.0021</u>			Task #:			Start Date: <u>4/14/2025</u>		Time: <u>1425</u>				
Field Personnel: <u>Lorne</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>100</u>					Well Development							
Casing ID: <u>2</u> inches					Well Volume Approach Sampling <u>200 m</u>							
					Low-Flow / Low Stress Sampling Other YSI SERIAL NO: <u>01191660x</u> (Specify): Low Flow Heron Serial NO: <u>174118</u>							
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>1425</u>		<u>51.38</u>								<u>Clear</u>
Purge	5	<u>1430</u>		<u>51.39</u>		<u>15.2</u>	<u>7.03</u>	<u>1018</u>	<u>2.96</u>	<u>585.70</u>	<u>194.5</u>	
	10	<u>1435</u>		<u>51.45</u>		<u>14.0</u>	<u>7.03</u>	<u>1013</u>	<u>1.89</u>	<u>442.50</u>	<u>67.5</u>	
	15	<u>1440</u>		<u>51.47</u>		<u>13.9</u>	<u>6.99</u>	<u>989</u>	<u>1.43</u>	<u>203.40</u>	<u>-27.9</u>	
*****	20	<u>1445</u>		<u>51.50</u>		<u>13.9</u>	<u>6.99</u>	<u>986</u>	<u>1.41</u>	<u>192.40</u>	<u>-36.8</u>	
	25	<u>1450</u>		<u>51.54</u>		<u>13.8</u>	<u>6.99</u>	<u>980</u>	<u>1.39</u>	<u>150.42</u>	<u>-62.7</u>	
	30	<u>1455</u>		<u>51.59</u>		<u>13.8</u>	<u>7.00</u>	<u>946</u>	<u>1.22</u>	<u>38.50</u>	<u>-69.9</u>	
	35	<u>1500</u>		<u>51.60</u>		<u>13.7</u>	<u>7.01</u>	<u>939</u>	<u>1.18</u>	<u>78.82</u>	<u>-73.3</u>	
	40	<u>1505</u>		<u>51.62</u>		<u>13.7</u>	<u>7.02</u>	<u>933</u>	<u>1.15</u>	<u>71.70</u>	<u>-76.2</u>	
	45	<u>1510</u>		<u>51.60</u>		<u>13.7</u>	<u>7.05</u>	<u>927</u>	<u>1.07</u>	<u>62.20</u>	<u>-78.1</u>	
	50	<u>1515</u>		<u>51.62</u>		<u>13.7</u>	<u>7.06</u>	<u>917</u>	<u>1.02</u>	<u>120.42</u>	<u>-80.9</u>	
	55	<u>1520</u>		<u>51.59</u>		<u>13.7</u>	<u>7.07</u>	<u>905</u>	<u>1.00</u>	<u>124.72</u>	<u>-88.9</u>	
	60	<u>1525</u>		<u>51.62</u>		<u>13.7</u>	<u>7.07</u>	<u>900</u>	<u>1.00</u>	<u>117.77</u>	<u>-92.4</u>	
NOTES (continued)									ABBREVIATIONS			
Sampled @ <u>1525</u> on <u>4/14/2025</u>									Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC -			
									FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard			

Dupe @ 1540

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Hemlock Vermilion</u>		Client: <u>Vistra</u>		Sampling Equipment Used (Circle One): Dedicated Bladder <u>Peristaltic Pump</u> Portable Bladder Bailer										
Project Number: <u>2024-1111 2025-0021</u>		Task #: <u></u>		Start Date: <u>4/14/2025</u>		Time: <u>1500</u>								
Field Personnel: <u>G. Assalby</u>														
WELL INFORMATION					EVENT TYPE									
Well ID: <u>16A</u>					Well Development			Low-Flow / Low Stress Sampling Other			YSI SERIAL NO: <u>4115879X</u>			
Casing ID: <u></u> Inches					Well Volume Approach Sampling			(Specify): Low Flow			Heron Serial NO: <u>4104355X</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)														
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	1510	—	13.44	—	—	—	—	—	—	—	—		
Purge	5	1525	0.52	14.72 14.72	—	12.4	6.86	1305	1.99	85.17	125.0	Clear		
	10	1530	1	15.96	—	12.3	6.90	1307	1.77	68.02	92.0	" "		
	15	1535	1.5	16.73	—	12.3	6.91	1310	1.52	68.77	90.0	" "		
*****	20	1540	2	17.59	—	12.4	6.93	1311	1.37	68.32	-29.2	" "		
	25	1545	3	18.04	—	12.3	6.94	1311	0.98	146.37	-2.5	" "		
	30	1550	3.5	18.92	—	12.3	6.94	1312	0.72	46.77	-13.7	" "		
	35	1555	4	19.50	—	12.5	6.97	1310	1.15	176.98	-51.3	" "		
	40	1600	4	19.72	—	12.5	6.98	1308	1.29	182.37	-54.9	" "		
	45	1605	4.5	19.90	—	12.6	7.03	1297	0.76	224.78	-76.1	" "		
	50	1610	4.5	20.12	—	12.6	7.04	1297	0.35	222.74	-85.0	" "		
	55	1615	5	20.01	—	13.0	7.04	1301	0.34	135.74	-91.2	" "		
✓	60	1620	5.5	20.05	—	12.01	7.02	1303	0.44	155.05	-88.1	" "		
NOTES (continued)									ABBREVIATIONS					
Sampled @ 1625 on 4/14/2025									Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC -	
									FT BTOC - Feet Below Top of Casing na -				Specific Electrical Conductance SU - Standard	

16A sampled @ 1625 on 4/14/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): Dedicated Bladder <u>Peristaltic Pump</u> Portable Bladder Bailer						
Project Number: <u>2024-141 2025.0021</u> Task #:			Start Date: <u>4/14/2025</u>			Time: <u>1458</u>						
Field Personnel: <u>B. Assaury</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>1035</u> Casing ID: _____ Inches					Well Development Well Volume Approach Sampling			Low-Flow / Low Stress Sampling Other (Specify): Low Flow			YSI SERIAL NO: <u>4115139X</u> Heron Serial NO: <u>4104855X</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1500	—	DRY	—	—	—	—	—	—	—	—
Purge	5											
	10											
	15											
*****	20											
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
Sampled @ _____ on 4/14/2025								Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na -				
								ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard				

No Sample

Dry with no ded. bladder

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION			
Site: <u>Hemlock Vermilion</u>	Client: <u>Vistra</u>	Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailor	
Project Number: <u>2024-1111 2025.002</u>	Task #:	Start Date: <u>4/16/2025</u>	Time: <u>1350</u>
Field Personnel: <u>Corne</u>			

WELL INFORMATION		EVENT TYPE	
Well ID: <u>17</u>	Inches	Well Development	Low-Flow / Low Stress Sampling Other
Casing ID: <u>2</u>		Well Volume Approach Sampling	(Specify): Low Flow
		YSI SERIAL NO: <u>0118677R</u>	Heron Serial NO: <u>174HB</u>

WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1350		39.00								Clear
Purge	5	1355		42.71		12.7	6.70	1903	2.46	173.44	96.8	
	10	1400	164	46.66		12.7	6.69	1903	1.71	86.42	90.7	
	15	1405		48.23		12.7	6.69	1905	1.55	69.33	85.1	
*****	20	1410		48.91		12.7	6.70	1913	1.49	58.61	78.8	
	25	1415	264	50.10		12.7	6.71	1915	1.52	56.20	75.2	
	30	1420	2.56	50.29		12.7	6.71	1919	1.55	58.26	73.9	
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)	ABBREVIATIONS
Sampled @ <u>1420</u> on <u>4/16/2025</u>	Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION			
Site: <u>Huron Vermilion</u>	Client: <u>Vistra</u>	Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer	
Project Number: <u>2024-1111 2025.0021</u>	Task #: <u></u>	Start Date: <u>4/16/2025</u>	Time: <u>0835</u>
Field Personnel: <u>Corne</u>			

WELL INFORMATION	EVENT TYPE
Well ID: <u>20</u>	Well Development
Casing ID: <u>2</u> Inches	Well Volume Approach Sampling
	Low-Flow / Low Stress Sampling Other YSI SERIAL NO: <u>01197667</u>
	(Specify): Low Flow Heron Serial NO: <u>12443</u>

WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	0835		13.05								Clear
Purge	5	0840		13.05	0.0	9.9	6.93	599	4.25	82.50	60.2	
	10	0845	1gal	13.05		9.9	6.89	615	2.78	85.50	63.4	
	15	0850		13.05		10.0	6.89	621	2.04	671.42	65.2	
*****	20	0855	2 GAL	13.05		9.9	6.89	624	2.38	676.91	68.0	
	25	0900		13.05		9.9	6.90	627	1.99	187.79	70.6	
	30	0905		13.05		9.9	6.90	639	1.74	115.60	71.4	
	35	0910	3 GAL	13.05		10.0	6.91	638	1.56	80.24	71.4	
	40	0915		13.05		9.9	6.92	633	1.82	87.22	74.1	
	45	0920		13.05		10.0	6.92	635	1.63	51.00	74.3	
	50	0925	4 GAL	13.05		10.0	6.92	653	1.20	52.71	70.9	
	55	0930		13.05		10.0	6.92	658	1.20	30.29	67.2	
	60	0935	5 GAL	13.05		10.0	6.92	662	1.16	58.29	65.0	

NOTES (continued)	ABBREVIATIONS
Sampled @ <u>0935</u> on <u>4/16/2025</u>	Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard

Pure @ 0945

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer						
Project Number: <u>2024-1111-2025.0021</u> Task #:			Start Date: <u>4/16/2025</u>			Time: <u>11:05</u>						
Field Personnel: <u>Corne</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>21</u>					Well Development							
Casing ID: _____ Inches					Well Volume Approach Sampling							
					Low-Flow / Low Stress Sampling Other YSI SERIAL NO: <u>0119672X</u> (Specify): Low Flow Heron Serial NO: <u>9744B</u>							
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1110		91.20								
Purge	5	1115		92.22		12.5	6.96	642	3.79	38.20	.1	
	10	1120	1 GAL	93.05		12.5	7.10	646	1.55	24.92	-40.6	
	15	1125		94.24		12.6	7.15	635	1.16	35.00	-68.2	
*****	20	1130		95.85		12.6	7.16	623	1.09	31.42	-76.9	
	25	1135	2 GAL	95.99		12.7	7.19	629	1.02	26.89	-84.0	
	30	1140		95.99		12.7	7.21	626	.99	21.09	-87.2	
	35	1145		95.99		12.7	7.22	625	.98	19.09	-90.3	
	40	1150	3 GAL	96.00		12.7	7.22	624	.97	17.03	-92.7	
	45											
	50											
	55											
	60											
NOTES (continued)									ABBREVIATIONS			
Sampled @ <u>1150</u> on <u>4/16/2025</u>									Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC -			
									FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard			

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hemlock Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer						
Project Number: <u>2024-1112025.0021</u> Task #:			Start Date: <u>4/16/2025</u>			Time: <u>1220</u>						
Field Personnel: <u>Lorne</u>												
WELL INFORMATION				EVENT TYPE								
Well ID: <u>22</u>				Well Development								
Casing ID: <u>2</u> <u>Inches</u>				Well Volume Approach Sampling								
				Low-Flow / Low Stress Sampling Other YSI SERIAL NO: <u>0119760X</u> (Specify): Low Flow Heron Serial NO: <u>174148</u>								
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1220		56.00								Cloudy
Purge	5	1225		56.50		13.2	7.23	740	3.50	1010.30	-4.0	
	10	1230	16AL	57.00		13.2	7.18	730	1.85	369.40	5.4	
	15	1235		57.50		13.2	7.18	727	1.13	215.42	6.6	
*****	20	1240		58.00		13.2	7.18	726	0.89	87.60	5.4	
	25	1245	26AL	58.40		13.2	7.18	725	0.69	61.42	1.2	
	30	1250		58.45		13.2	7.19	734	0.67	711.41	-3.4	
	35	1255		59.00		13.1	7.19	737	0.33	791.20	-5.8	
	40	1300		59.50		13.2	7.20	738	0.28	732.40	-8.5	
↓	45	1305		59.85		13.2	7.20	738	0.28	770.00	-9.7	
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
Sampled @ 1305 on 4/16/2025								Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard				

Dupe @ 1315

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Huron Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): Dedicated Bladder ☒ Peristaltic Pump ☐ Portable Bladder ☐ Bailer ☐						
Project Number: <u>2024-1111 2025-0021</u> Task #:			Start Date: <u>4/16/2025</u>			Time: <u>09:50</u>						
Field Personnel: <u>Corne</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>34</u>					Well Development			Low-Flow / Low Stress Sampling Other			YSI SERIAL NO: <u>0119766 X</u>	
Casing ID: <u>2</u> <u>Inches</u>					Well Volume Approach Sampling			(Specify): Low Flow			Heron Serial NO: <u>224 408</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>09:50</u>		<u>13.68</u>								
Purge	5	<u>09:55</u>		<u>13.79</u>		<u>11.3</u>	<u>7.00</u>	<u>862</u>	<u>.93</u>	<u>40.25</u>	<u>-51.5</u>	
	10	<u>10:00</u>	<u>1GAL</u>	<u>13.82</u>		<u>11.4</u>	<u>7.00</u>	<u>862</u>	<u>.71</u>	<u>61.25</u>	<u>-65.9</u>	
	15	<u>10:05</u>		<u>13.89</u>		<u>11.5</u>	<u>7.00</u>	<u>863</u>	<u>.59</u>	<u>63.55</u>	<u>-72.4</u>	
*****	20	<u>10:10</u>		<u>13.95</u>		<u>11.5</u>	<u>7.00</u>	<u>863</u>	<u>.57</u>	<u>55.07</u>	<u>-75.2</u>	
	25	<u>10:15</u>	<u>2GAL</u>	<u>14.00</u>		<u>11.5</u>	<u>7.00</u>	<u>864</u>	<u>.56</u>	<u>51.02</u>	<u>-77.1</u>	
	30											
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)									ABBREVIATIONS			
Sampled @ <u>10:15</u> on <u>4/16/2025</u>									Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC -			
									FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard			

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION			
Site: <u>Hemlock Vermilion</u>	Client: <u>Vista</u>	Sampling Equipment Used (Circle One): Dedicated Bladder ☐ Peristaltic Pump ☒ Portable Bladder ☐ Bailor ☐	
Project Number: <u>2024-111 2025.0021</u>	Task #:	Start Date: <u>4/15/2025</u>	Time: <u>0815</u>
Field Personnel: <u>Lorne</u>			

WELL INFORMATION	EVENT TYPE
Well ID: <u>351</u> Casing ID: <u>2</u> <u>Inches</u>	Well Development ☐ Well Volume Approach Sampling ☐ Low-Flow / Low Stress Sampling Other ☐ YSI SERIAL NO: <u>01197664</u> (Specify): Low Flow Heron Serial NO: <u>17443</u>

WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	0815		12.25								Clear
Purge	5	0820		14.99		10.6	7.41	4236	2.75	16.77	205.4	
	10	0825	1 GAL	16.22		10.3	7.45	4260	2.46	31.86	200.5	
	15	0830		18.42		10.3	7.45	4262	2.44	33.21	200.1	
***	20	0835	2 GAL	19.60		10.4	7.45	4261	2.43	32.41	198.9	
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)	ABBREVIATIONS
Sampled @ <u>0835</u> on <u>4/15/2025</u>	Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

~~MSD @ 0830 GA~~
~~MSD @ ~~0830~~ Well went Dry no sample (MSD)~~
 Dry during collection, MSMSD moved

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION																
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): Dedicated Bladder <u>Peristaltic Pump</u> Portable Bladder Bailer										
Project Number: <u>2024-111 2025-0021</u> Task #:			Start Date: <u>4/5</u> /2025			Time: <u>0800</u>										
Field Personnel: <u>L. Filenice</u>																
WELL INFORMATION					EVENT TYPE											
Well ID: <u>355</u> Casing ID: _____ Inches					Well Development Low-Flow / Low Stress Sampling Other YSI SERIAL NO: <u>U1191664</u> Well Volume Approach Sampling (Specify): Low Flow Heron Serial NO: <u>17413</u>											
WATER QUALITY INDICATOR PARAMETERS (continued)																
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity				
Pre	0	<u>0800</u>		<u>11.99</u>												
Purge	5			<u>(bottom)</u>												
	10															
	15															
*****	20															
	25															
	30															
	35															
	40															
	45															
	50															
	55															
	60															
NOTES (continued)									ABBREVIATIONS							
Sampled @ _____ on ____ / ____ / 2025									Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC -			
									FT BTOC - Feet Below Top of Casing na -				Specific Electrical Conductance SU - Standard			

Well Dry
No Sample

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer								
Project Number: <u>2025.0021</u> Task #:			Start Date: <u>4/17/2025</u>			Time: <u>0735</u>								
Field Personnel: <u>Lorne</u>														
WELL INFORMATION				EVENT TYPE										
Well ID: <u>362</u> Casing ID: <u>2</u> Inches				Well Development Well Volume Approach Sampling					Low-Flow / Low Stress Sampling Other (Specify): Low Flow				YSI SERIAL NO: <u>0119077K</u> Heron Serial NO: <u>174143</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)														
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	<u>0735</u>		<u>14.05</u>										
Purge	5	<u>0740</u>		<u>14.05</u>		<u>11.9</u>	<u>6.98</u>	<u>1886</u>	<u>1.39</u>	<u>1285.2</u>	<u>151.6</u>			
	10	<u>0745</u>	<u>1GAL</u>	<u>14.05</u>		<u>11.7</u>	<u>7.23</u>	<u>1936</u>	<u>0.43</u>	<u>179.82</u>	<u>46.5</u>			
	15	<u>0750</u>		<u>14.05</u>		<u>11.7</u>	<u>7.28</u>	<u>1945</u>	<u>0.36</u>	<u>115.50</u>	<u>20.5</u>			
*****	20	<u>0755</u>		<u>14.05</u>		<u>11.7</u>	<u>7.32</u>	<u>1954</u>	<u>0.29</u>	<u>61.23</u>	<u>8.1</u>			
	25	<u>0800</u>	<u>2GAL</u>	<u>14.05</u>		<u>11.7</u>	<u>7.33</u>	<u>1956</u>	<u>0.27</u>	<u>58.19</u>	<u>-24.4</u>			
	30	<u>0805</u>		<u>14.05</u>		<u>11.7</u>	<u>7.35</u>	<u>1959</u>	<u>0.24</u>	<u>28.12</u>	<u>-34.3</u>			
	35	<u>0810</u>		<u>14.05</u>		<u>11.7</u>	<u>7.37</u>	<u>1962</u>	<u>0.22</u>	<u>20.91</u>	<u>-39.9</u>			
	40	<u>0815</u>	<u>3GAL</u>	<u>14.05</u>		<u>11.7</u>	<u>7.36</u>	<u>1962</u>	<u>0.21</u>	<u>20.24</u>	<u>-40.2</u>			
	45	<u>0820</u>	<u>3.5GAL</u>	<u>14.05</u>		<u>11.7</u>	<u>7.37</u>	<u>1963</u>	<u>0.22</u>	<u>19.41</u>	<u>-42.2</u>			
	50													
	55													
	60													
NOTES (continued)									ABBREVIATIONS					
Sampled at <u>0820</u> on <u>4/16/2025</u>									Cond. - Actual Conductivity FT BTOP - Feet Below Top of Casing na -				ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard	

MS0820
MSD0820

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: Hampton <u>Vermillion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer								
Project Number: 2024-001 <u>2025.0021</u> Task #:			Start Date: <u>4/16</u> 2025			Time: <u>1445</u>								
Field Personnel: <u>Carne</u>														
WELL INFORMATION					EVENT TYPE									
Well ID: <u>31</u>					Well Development				Low-Flow / Low Stress Sampling Other				YSI SERIAL NO: <u>V119677K</u>	
Casing ID: <u>2</u> Inches					Well Volume Approach Sampling				(Specify): Low Flow				Heron Serial NO: <u>174HB</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)														
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	<u>1445</u>		<u>7.65</u>										
Purge	5	<u>1450</u>		<u>7.69</u>		<u>12.8</u>	<u>6.94</u>	<u>1298</u>	<u>0.35</u>	<u>118.42</u>	<u>-62.8</u>			
	10	<u>1455</u>	<u>1GAL</u>	<u>7.75</u>		<u>12.8</u>	<u>6.94</u>	<u>1303</u>	<u>0.25</u>	<u>10.90</u>	<u>-75.9</u>			
	15	<u>1500</u>		<u>7.79</u>		<u>12.8</u>	<u>6.83</u>	<u>1301</u>	<u>0.20</u>	<u>90.99</u>	<u>-87.9</u>			
*****	20	<u>1505</u>	<u>2GAL</u>	<u>7.85</u>		<u>12.8</u>	<u>6.93</u>	<u>1301</u>	<u>0.18</u>	<u>72.20</u>	<u>-88.9</u>			
	25	<u>1510</u>		<u>7.91</u>		<u>12.8</u>	<u>6.93</u>	<u>1300</u>	<u>0.17</u>	<u>50.22</u>	<u>-90.7</u>			
	30	<u>1515</u>		<u>7.98</u>		<u>12.8</u>	<u>6.93</u>	<u>1301</u>	<u>0.17</u>	<u>46.99</u>	<u>-92.9</u>			
	35	<u>1520</u>	<u>3GAL</u>	<u>8.00</u>		<u>12.8</u>	<u>6.93</u>	<u>1302</u>	<u>0.17</u>	<u>41.22</u>	<u>-93.1</u>			
	40													
	45													
	50													
	55													
	60													
NOTES (continued)									ABBREVIATIONS					
Sampled @ <u>1520</u> on <u>4/16</u> 2025									Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC -	
									FT BTOC - Feet Below Top of Casing na -				Specific Electrical Conductance SU - Standard	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION			
Site: <u>Vermilion</u>	Client: <u>Vistra</u>	Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer	
Project Number: <u>2024-333</u> 2025.0021	Task #: _____	Start Date: <u>4/15</u> 2025	Time: <u>1435</u>
Field Personnel: <u>Lorne Filieville</u>			

WELL INFORMATION	EVENT TYPE
Well ID: <u>38</u>	Well Development Low-Flow / Low Stress Sampling Other YSI SERIAL NO: <u>1196778</u>
Casing ID: <u>2</u> <u>Inches</u>	Well Volume Approach Sampling (Specify): Low Flow Heron Serial NO: <u>174 HFD</u>

WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>1435</u>		<u>3.45</u>								
Purge	5	<u>1445</u>		<u>3.45</u>		<u>11.3</u>	<u>6.92</u>	<u>901</u>	<u>.90</u>	<u>58.04</u>	<u>-111.4</u>	<u>Clear</u>
	10	<u>1450</u>	<u>1 GAL</u>	<u>3.45</u>		<u>11.3</u>	<u>6.94</u>	<u>902</u>	<u>.83</u>	<u>35.60</u>	<u>-117.3</u>	
	15	<u>1455</u>		<u>3.45</u>		<u>11.3</u>	<u>6.95</u>	<u>903</u>	<u>.69</u>	<u>19.03</u>	<u>-121.2</u>	
*****	20	<u>1500</u>	<u>2 GAL</u>	<u>3.45</u>		<u>11.3</u>	<u>6.95</u>	<u>903</u>	<u>.66</u>	<u>24.05</u>	<u>-121.6</u>	
	25	<u>1505</u>	<u>2.5 GAL</u>	<u>3.45</u>		<u>11.3</u>	<u>6.95</u>	<u>902</u>	<u>.64</u>	<u>18.62</u>	<u>-120.7</u>	
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)	ABBREVIATIONS
Sampled @ <u>1505</u> on <u>4/15</u> 2025	Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC -
	FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Honolulu Vermilion</u>			Client: <u>Vista</u>			Sampling Equipment Used (Circle One): ☒ Dedicated Bladder ☐ Peristaltic Pump ☐ Portable Bladder ☐ Bailer								
Project Number: <u>2024-1141 2025-0021</u>			Task #:			Start Date: <u>4/15/2025</u>		Time: <u>1340</u>						
Field Personnel: <u>Lorne</u>														
WELL INFORMATION				EVENT TYPE										
Well ID: <u>41</u>				Well Development					Low-Flow / Low Stress Sampling Other				YSI SERIAL NO: <u>01197467</u>	
Casing ID: <u>2</u> (Inches)				Well Volume Approach Sampling					(Specify): Low Flow				Heron Serial NO: <u>1744</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)														
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	1340		5.55										
Purge	5	1345		5.57		11.9	7.10	1065	.94	47.75	-128.9	clear		
	10	1350	1 GAL	5.59		12.0	7.09	1065	.75	120.72	-134.6			
	15	1355		5.62		12.1	7.10	1067	.65	98.20	-135.0			
*****	20	1400		5.64		12.1	7.09	1066	.63	99.40	734.3			
	25	1405	2 GAL	5.65		12.1	7.09	1067	.62	99.01	134.2			
	30													
	35													
	40													
	45													
	50													
	55													
	60													
NOTES (continued)									ABBREVIATIONS					
Sampled @ 1405 on 4/15 / 2025									Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC -	
									FT BTOC - Feet Below Top of Casing na -				Specific Electrical Conductance SU - Standard	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer								
Project Number: <u>2025-0021</u> Task #:			Start Date: <u>4/15/2025</u>			Time: <u>0345</u>								
Field Personnel: <u>G. Assallwy</u>														
WELL INFORMATION					EVENT TYPE									
Well ID: <u>42</u>					Well Development				Low-Flow / Low Stress Sampling Other				YSI SERIAL NO: <u>41159397</u>	
Casing ID: _____ Inches					Well Volume Approach Sampling				(Specify): Low Flow				Heron Serial NO: <u>4109339x</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)														
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	<u>0350</u>	—	<u>25.71</u>		—	—	—	—	—	—	—		
Purge	5	<u>0355</u>	<u>0.5</u>	<u>25.50</u>		<u>11.4</u>	<u>7.26</u>	<u>929</u>	<u>1.33</u>	<u>85.79</u>	<u>-109.8</u>	<u>clear</u>		
	10	<u>1600</u>	<u>1.5</u>	<u>25.60</u>		<u>11.3</u>	<u>7.30</u>	<u>929</u>	<u>0.61</u>	<u>84.75</u>	<u>-143.3</u>	" "		
	15	<u>1605</u>	<u>2</u>	<u>25.59</u>		<u>11.4</u>	<u>7.30</u>	<u>922</u>	<u>0.60</u>	<u>36.40</u>	<u>-148.2</u>	<u>1/12"</u>		
*****	20	<u>1610</u>	<u>2.5</u>	<u>25.57</u>		<u>11.3</u>	<u>7.29</u>	<u>920</u>	<u>0.57</u>	<u>34.75</u>	<u>-149.0</u>	<u>" "</u>		
↓	25	<u>1615</u>	<u>3</u>	<u>25.60</u>		<u>11.3</u>	<u>7.29</u>	<u>918</u>	<u>0.50</u>	<u>35.42</u>	<u>-149.9</u>	<u>" "</u>		
Sample	30	<u>1620</u>	<u>3.5</u>	<u>25.57</u>		—	—	—	—	—	—	—		
	35													
	40													
	45													
	50													
	55													
	60													
NOTES (continued)									ABBREVIATIONS					
Sampled @ <u>1620</u> on <u>4/15/2025</u>									Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC -	
									FT BTOD - Feet Below Top of Casing na -				Specific Electrical Conductance SU - Standard	

42 sampled @ 1620 on 4/15/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION													
Site: <u>Hannegan Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer							
Project Number: <u>2024-1111 2025.0021</u> Task #:			Start Date: <u>4/15/2025</u>			Time: <u>1445</u>							
Field Personnel: <u>G. Astalling</u>													
WELL INFORMATION				EVENT TYPE									
Well ID: <u>43</u>				Well Development					Low-Flow / Low Stress Sampling Other				YSI SERIAL NO: <u>U1159397</u>
Casing ID: _____ Inches				Well Volume Approach Sampling					(Specify): Low Flow				Heron Serial NO: <u>U102339X</u>
WATER QUALITY INDICATOR PARAMETERS (continued)													
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity	
Pre	0	1450	—	16.5 16.5	—	—	—	—	—	—	—	—	
Purge	5	1455	0.5	17.42	—	11.8	7.07	1110	0.27	10.57	-120.0	Clear	
	10	1500	1	18.89	—	11.8	7.02	1100	0.28	11.69	-123.9	" "	
	15	1505	2	18.73	—	11.8	7.09	1075	0.22	37.47	-136.6	" "	
*****	20	1510	3	18.40	—	11.8	7.09	1068	0.16	48.60	-138.8	" "	
	25	1515	5	18.42	—	11.9	7.10	1039	0.14	57.42	-144.4	" "	
	30	1520	6	18.37	—	11.8	7.10	1055	0.15	53.72	-144.7	" "	
	35	1523	6.5	18.74	—	11.8	7.11	1054	0.15	55.72	-144.9	" "	
Sample	40	1530	7	19.05	—	—	—	—	—	—	—	—	
	45												
	50												
	55												
	60												
NOTES (continued)								ABBREVIATIONS					
Sampled @ 1530 on 4/15/2025								Cond. - Actual Conductivity					ORP - Oxidation-Reduction Potential SEC -
								FT BTOC - Feet Below Top of Casing na -					Specific Electrical Conductance SU - Standard

43 sampled @ 1530 on 4/15/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION			
Site: <u>Hennepin Vermilion</u>	Client: <u>Vistra</u>	Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer	
Project Number: <u>2024-1111 2025-002</u>	Task #: _____	Start Date: <u>4/15/2025</u>	Time: <u>1025</u>
Field Personnel: <u>Lorne</u>			

WELL INFORMATION	EVENT TYPE
Well ID: <u>70D</u> Casing ID: <u>2</u> <u>Inches</u>	Well Development Well Volume Approach Sampling <u>200</u> Low-Flow / Low Stress Sampling Other (Specify): Low Flow YSI SERIAL NO: <u>0119766X</u> Heron Serial NO: <u>17448</u>

WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>1025</u>		<u>14.92</u>								<u>clear</u>
Purge	5	<u>1030</u>		<u>15.50</u>		<u>11.5</u>	<u>6.86</u>	<u>2336</u>	<u>.97</u>	<u>12.25</u>	<u>5.3</u>	
	10	<u>1035</u>	<u>16 gal</u>	<u>17.20</u>		<u>11.6</u>	<u>6.85</u>	<u>2790</u>	<u>.83</u>	<u>12.10</u>	<u>27.4</u>	
	15	<u>1040</u>		<u>19.62</u>		<u>11.6</u>	<u>6.81</u>	<u>2608</u>	<u>.77</u>	<u>12.01</u>	<u>35.5</u>	
*****	20	<u>1045</u>	<u>20 gal</u>	<u>21.35</u>		<u>11.6</u>	<u>6.82</u>	<u>2066</u>	<u>.72</u>	<u>12.90</u>	<u>59.0</u>	
	25	<u>1050</u>		<u>22.90</u>		<u>11.7</u>	<u>6.88</u>	<u>1857</u>	<u>.71</u>	<u>13.42</u>	<u>101.2</u>	
	30	<u>1055</u>		<u>24.20</u>		<u>11.7</u>	<u>6.89</u>	<u>1822</u>	<u>.72</u>	<u>14.12</u>	<u>62.8</u>	
	35	<u>1100</u>	<u>36 gal</u>	<u>24.24</u>		<u>11.7</u>	<u>6.89</u>	<u>1741</u>	<u>.72</u>	<u>14.99</u>	<u>62.1</u>	
	40	<u>1105</u>	<u>4 gal</u>	<u>24.21</u>		<u>11.7</u>	<u>6.89</u>	<u>1695</u>	<u>.72</u>	<u>15.10</u>	<u>62.0</u>	
	45											
	50											
	55											
	60											

NOTES (continued)	ABBREVIATIONS
Sampled @ <u>1105</u> on <u>4/15</u> / 2025	Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION																
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer										
Project Number: <u>2024-1471 2025.0021</u> Task #:			Start Date: <u>4/15/2025</u> 11			Time: <u>1120</u>										
Field Personnel: <u>Lorne</u>																
WELL INFORMATION				EVENT TYPE												
Well ID: <u>705</u> Casing ID: <u>2</u> <u>Inches</u>				Well Development Well Volume Approach Sampling Low-Flow / Low Stress Sampling Other (Specify): Low Flow YSI SERIAL NO: <u>X119760</u> Heron Serial NO: <u>17443</u>												
WATER QUALITY INDICATOR PARAMETERS (continued)																
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity				
Pre	0	<u>1120</u>		<u>10.25</u>								<u>Clear</u>				
Purge	5	<u>1125</u>				<u>10.8</u>	<u>6.74</u>	<u>1219</u>	<u>1.22</u>	<u>33.11</u>	<u>1095</u>					
	10	<u>1130</u>	<u>10.42</u>			<u>10.8</u>	<u>6.73</u>	<u>1216</u>	<u>0.90</u>	<u>23.00</u>	<u>111.7</u>					
	15	<u>1135</u>				<u>10.8</u>	<u>6.73</u>	<u>1216</u>	<u>0.82</u>	<u>19.01</u>	<u>112.7</u>					
*****	20	<u>1140</u>				<u>10.8</u>	<u>6.73</u>	<u>1216</u>	<u>0.79</u>	<u>21.62</u>	<u>112.9</u>					
	25		<u>2.6 gal</u>	<u>10.39</u>												
	30															
	35															
	40															
	45															
	50															
	55															
	60															
NOTES (continued)									ABBREVIATIONS							
Sampled @ <u>1140</u> on <u>4/15/2025</u>									Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na -				ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard			

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> Peristaltic Pump Portable Bladder Bailer								
Project Number: <u>2024-1111 2025.0021</u> Task #:			Start Date: <u>4/15/2025</u>			Time: <u>1230</u>								
Field Personnel: <u>G. Asanally</u>														
WELL INFORMATION					EVENT TYPE									
Well ID: <u>71D</u>					Well Development				Low-Flow / Low Stress Sampling Other				YSI SERIAL NO: <u>4115039X</u>	
Casing ID: _____ Inches					Well Volume Approach Sampling				(Specify): Low Flow				Heron Serial NO: <u>4102335X</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)														
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	1240	—	37.98		—	—	—	—	—	—	—		
Purge	5	1245	0.5	37.98		12.2	6.68	3520	0.99	3.69	105.0	Clear		
	10	1250	1	37.98		12.3	6.72	3500	1.75	45.67	96.8	" "		
	15	1255	1.5	37.95		12.3	6.74	3519	0.29	9.54	94.7	" "		
*****	20	1300	2	37.98		12.2	6.79	3517	0.24	6.59	91.7	" "		
↓	25	1305	3	37.89		12.2	6.82	3516	0.22	5.90	89.7	" "		
<u>End</u>	30	1310		—		—	—	—	—	—	—	—		
	35													
	40													
	45													
	50													
	55													
	60													
NOTES (continued)									ABBREVIATIONS					
Sampled @ <u>1210</u> on <u>4/15/2025</u>									Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC -	
									FT BTOC - Feet Below Top of Casing na -				Specific Electrical Conductance SU - Standard	

71D sampled @ 1210 on 4/15/25
Dry @ 1310 on 4/15/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hennepin Vermilion</u>		Client: <u>Vistra</u>		Sampling Equipment Used (Circle One): <u>Dedicated Bladder</u> <u>Peristaltic Pump</u> <u>Portable Bladder</u> <u>Bailer</u>								
Project Number: <u>2024-111 2025.0021</u> Task #:		Start Date: <u>4/15/2025</u>		Time: <u>150</u>								
Field Personnel: <u>G. Assalmy</u>												
WELL INFORMATION				EVENT TYPE								
Well ID: <u>715</u> Casing ID: _____ Inches				Well Development Well Volume Approach Sampling		Low-Flow / Low Stress Sampling Other (Specify): <u>LOW FLOW</u>		YSI SERIAL NO: <u>u1154397</u> Heron Serial NO: <u>4197335X</u>				
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1155	—	9.69	—	—	—	—	—	—	—	—
Purge	5	1200	0.5	9.78	—	9.4	6.49	837	6.13	5.00	54.9	Clear
	10	1205	0.5	9.83	—	9.3	6.47	824	3.87	3.31	62.3	" "
	15	1210	1	9.80	—	9.3	6.47	827	3.73	3.00	68.1	" "
*****	20	1218	1.5	9.80	—	9.4	6.46	836	1.34	2.81	76.1	" "
	25	1220	2	9.82	—	9.4	6.46	838	1.00	2.95	77.5	" "
	30	1225	2.5	9.87	—	9.5	6.45	840	0.49	2.85	81.5	" "
	35	1230	3	9.92	—	9.5	6.45	842	0.44	2.92	82.0	" "
↓	40	1235	3.5	9.85	—	9.5	6.45	846	0.35	2.85	82.8	" "
Sample	45	1240	4	9.90	—	—	—	—	—	—	—	—
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
Sampled @/240 on 4/15/2025								Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard				

715 sampled @/240 on 4/15/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION													
Site: <u>Hemlock Vermilion</u>		Client: <u>Vistra</u>		Sampling Equipment Used (Circle One):									
Project Number: <u>2024-111 2025.0021</u>		Task #:		Start Date: <u>4/16/2025</u>		Time: <u>1250</u>		Dedicated Bladder		Peristaltic Pump		Portable Bladder Bailer	
Field Personnel: <u>G. Aschall</u>													
WELL INFORMATION				EVENT TYPE									
Well ID: <u>72</u>				Well Development		Low-Flow / Low Stress Sampling Other		YSI SERIAL NO: <u>4115939x</u>					
Casing ID: _____ Inches				Well Volume Approach Sampling		(Specify): Low Flow		Heron Serial NO: <u>4109125x</u>					
WATER QUALITY INDICATOR PARAMETERS (continued)													
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity	
Pre	0	<u>1255</u>	<u>—</u>	<u>13.69</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
Purge	5	<u>1300</u>	<u>0.5</u>	<u>14.35</u>		<u>12.8</u>	<u>6.60</u>	<u>3131</u>	<u>4.00</u>	<u>52.46</u>	<u>72.3</u>	<u>cloudy</u>	
	10	<u>1305</u>	<u>0.5</u>	<u>15.85</u>		<u>11.4</u>	<u>6.52</u>	<u>3139</u>	<u>2.14</u>	<u>181.88</u>	<u>49.9</u>	<u>cloudy</u>	
	15	<u>1310</u>	<u>0.5</u>	<u>18.00</u>		<u>11.2</u>	<u>6.49</u>	<u>3135</u>	<u>0.95</u>	<u>82.69</u>	<u>50.2</u>	<u>" "</u>	
*****	20	<u>1315</u>	<u>1</u>	<u>20.25</u>		<u>13.9</u>	<u>6.63</u>	<u>3136</u>	<u>6.54</u>	<u>115.76</u>	<u>5.0</u>	<u>" "</u>	
	25	<u>1320</u>	<u>1</u>	<u>DRY</u>		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
	30												
	35												
	40												
	45												
	50												
	55												
	60												
NOTES (continued)									ABBREVIATIONS				
Sampled @ _____ on / / 2025									Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard				

72 sampled @ _____ on 4/16/25

72 DRY @ 1325 on 4/16/25

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hemlock Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): Dedicated Bladder <u>Peristaltic Pump</u> Portable Bladder Bailer						
Project Number: <u>2025-1142025-002</u> Task #:			Start Date: <u>4/16/2025</u>			Time: <u>0445</u>						
Field Personnel: <u>G. Azevedo</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>ND3</u> Casing ID: _____ Inches					Well Development Well Volume Approach Sampling			Low-Flow / Low Stress Sampling Other (Specify): Low Flow			YSI SERIAL NO: <u>4114914x</u> Heron Serial NO: <u>1102339x</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	0950	—	15.19	—	—	—	—	—	—	—	—
Purge	5	0955	0.5	15.87	—	12.6	7.62	2019	2.18	272.48	-1.2	Cloudy
	10	1000	1	16.03	—	12.7	7.61	2015	1.54	59.38	0.2	Cloudy
	15	1005	1.5	16.14	—	12.6	7.62	2008	1.46	40.23	1.1	" "
*****	20	1010	2	16.21	—	12.7	7.62	2006	1.39	30.66	2.9	" "
	25	1015	3	16.31	—	12.7	7.61	2010	1.30	29.32	4.6	" "
	30	1020	3.5	16.37	—	12.6	7.63	2014	1.24	31.21	5.3	" "
Sample	35	1025	4	16.48	—	—	—	—	—	—	—	—
	40											
	45											
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
Sampled @ 1025 on 4/16/2025								Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard				

ND3 sampled on 4/16/25 @ 1025

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

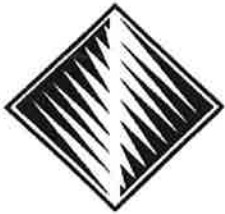
PROJECT INFORMATION												
Site: <u>Hennepin Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): Dedicated Bladder ☐ <u>Peristaltic Pump</u> ☒ Portable Bladder ☐ Bailer ☐						
Project Number: <u>2024-1111</u> <u>2025.0021</u> Task #:			Start Date: <u>4/16/2025</u>			Time: <u>0930</u>						
Field Personnel: <u>C. Ameling</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>OEDI</u>					Well Development			Low-Flow / Low Stress Sampling Other			YSI SERIAL NO: <u>411414X</u>	
Casing ID: _____ Inches					Well Volume Approach Sampling			(Specify): Low Flow			Heron Serial NO: <u>410379X</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>0935</u>	<u>—</u>	<u>Dry (39.91)</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Purge	5											
	10											
	15											
*****	20											
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)									ABBREVIATIONS			
Sampled @ <u>on 4/1/2025</u> <u>NO sample / Dry</u>									Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard			

OEDI Dry @ 0935

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hershey Vermilion</u>			Client: <u>Vistra</u>			Sampling Equipment Used (Circle One): Dedicated Bladder <u>Peristaltic Pump</u> Portable Bladder Bailer						
Project Number: <u>2024-111 2025.0021</u>			Task #:			Start Date: <u>4/16/2025</u>		Time: <u>0850</u>				
Field Personnel: <u>G. Amally</u>												
WELL INFORMATION					EVENT TYPE							
Well ID: <u>NEDI</u>					Well Development			Low-Flow / Low Stress Sampling Other			YSI SERIAL NO: <u>41149, 4X</u>	
Casing ID: _____ Inches					Well Volume Approach Sampling			(Specify): Low Flow			Heron Serial NO: <u>4109230</u>	
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	0855	—	3.41		—	—	—	—	—	—	—
Purge	5	0900	0.5			11.2	7.07	1811	2.41	42.49	-141.2	Clear
	10	0903	1	3.89		10.9	7.06	1804	0.16	19.21	-146.5	" "
	15	0910	1.5			10.8	7.06	1798	0.08	7.92	-149.2	" "
*****	20	0915	2	3.85		10.8	7.06	1793	0.03	6.25	-151.2	" "
↓	25	0920	3			10.3	7.07	1741	0.04	5.91	-152.0	" "
Sample	30	0925	3.5	3.85		—	—	—	—	—	—	—
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)									ABBREVIATIONS			
Sampled @ 0925 on 4/15/2025									Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC -			
									FT BTOT - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard			

NEDI sampled @ 0925 on 4/16/25



FIELD ENVIRONMENTAL INSTRUMENTS, INC.

www.fieldenvironmental.com

301 Brushton Ave
Suite A
Pittsburgh, PA 15221
Toll Free (800) 393-4009
Local (412) 436-2600
Fax (412) 436-2616

Proactive Pump Conformance Certificate

	<u>12V</u>	<u>Max Voltage Acceptable</u>
Pressure Rating	22 psi	60 psi
Acceptable Range (Monsoon) :	10+	48+
Acceptable Range (Hurricane) :	10+	60+
Flow Rate Achieved (No Applied Head Pressure)	1.75 GPM	3.06 GPM
Acceptable Ranges :	1.4+ GPM	2.5+ GPM
Amps	10	39
Replaced Tubing and Tubing Connector Above Barb (ID: 14396 HDPE 3/8" x 1/2" for PFAS Compliance)		Confirmed
Pump Model	SS Hurricane	
S/N	24753	
Order #	582628	

Proactive Controller Performance Test

	22.7 Max Voltage - Pump Attached	23.2 Max Voltage - Pump Dettached
Delta Less than 10 Volts	Yes	
30 Second Video Attached to the Order	Yes	
DO NOT CUT Tag Applied to Pump Head Cable Connection Prior to Rental?	Confirmed	
Controller Model	Hurricane Controller	
S/N	647545	
Order #	582628	
Calibrated By	Justin Bonds	

Revision 1, 3/27/24

Date of Calibration

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
Any problems must be reported to Field Environmental within 24 hours of receiving equipment.

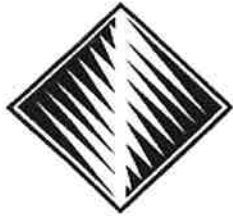
Controller Test

- ☒ LCD Voltage Verified
- ☒ Check the solder joints under the sleeves of the gator clips.
- ☒ Check to make sure the nut behind the wire grommet is tight and secure
- ☒ Make sure there are not any loose connections on any of the set screws
- ☒ Check the nut on the fuse holder and tighten as needed
- ☒ Check the fan if applicable(not all controller models have fans). Make sure it is secure and running when the controller is powered on.
- ☒ Check the controller for any visible signs of moisture or damage
- ☒ Ensure the LCD ribbon is seated correctly before putting back together.

Pump Test:

- ☒ Check pump wire for cuts or knicks
- ☒ Check the carbon brushes on the motor modules
- ☒ Replace all motor O-Rings
- ☒ Ensure the contact blocks are in good shape. No melting or warping of the Delrin or corrosion of the wire or blocks.
- ☒ Make sure the contact blocks do not move when the wire is pushed up.
- ☒ Check the inlet screen for erosion
- ☒ Check the 4 screw seals on top of the pump.
- ☒ Visual inspection of the overall appearance.

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Bladder Pump Conformance Certificate

Controller Testing:

Refill Time sec
Discharge Time sec
Throttle psi

Co2 Regulator Testing @100 PSI:

Max Regulator PSI
Regulator PSI Setting
Co2 Regulator SN#

Controller
S/N

MP10

☒ Solenoid Function Check
☐ Cooling Fan Function Check

Max PSI Achieved

N2 Regulator Testing @ 200 PSI:

Max Regulator PSI
Regulator PSI Setting
N2 Regulator SN#

Air Source
S/N

Well Wizard

mL per cycle

(80-120)

Pump Model

1

☒ Portable ☐ Pump decontaminated and cleaned

S/N

N/A

Order #

582628

Calibrated By

Justin Bonds

Date of Calibration

04/03/2025

☒ 30 Second Video Attached

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
Any problems must be reported to Field Environmental within 24 hours of receiving equipment.

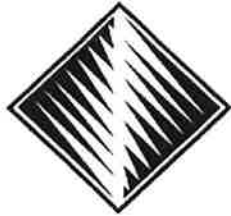
Geotech Bladder Pump Specifications

	1.66SS36	1.66SS18	.85SS24	.675SS18	1.66 Port	.85 Port	.675 Port
Pump Housing	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS
Pump Ends	Virgin PTFE	Virgin PTFE	Virgin PTFE	316 SS	316 SS	316 SS	316 SS
O.D.	1.66"	1.66"	.85"	.675"	1.66"	.85"	.675"
Length	38"	20"	25"	18"	19"	18 ^{5/8} "	18 ^{3/4} "
Weight	5 lbs	2.5 lbs	1.6 lbs	.83 lbs	3 lbs	1.1 lbs	.83 lbs
Volume/Cycle	625 mL	313 mL	59.6 mL	38.4 mL	150 mL	29 mL	15 mL
Min Well I.D.	2"	2"	1"	.75"	2"	1"	.75"
Max Depth	1000'	1000'	250'	250'	200'	200'	200'

QED Sample Pro Pump Specifications

	1.75	0.75
Pump Housing	316 SS	316 SS
Pump Ends	303 SS	303 SS
O.D.	1.75"	0.75"
Length	14.75"	10.75"
Weight	4.25 lbs	0.5 lbs
Volume/Cycle	100 mL	15 mL
Max Depth	250'	200'

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
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Bladder Pump Conformance Certificate

Controller Testing:

Refill Time sec
Discharge Time sec
Throttle psi

Co2 Regulator Testing @100 PSI:

Max Regulator PSI
Regulator PSI Setting
Co2 Regulator SN#

Controller
S/N

☒ Solenoid Function Check

☐ Cooling Fan Function Check

Max PSI Achieved

Air Source
S/N

N2 Regulator Testing @ 200 PSI:

Max Regulator PSI
Regulator PSI Setting
N2 Regulator SN#

mL per cycle

Pump Model

☒ Portable

☐ Pump decontaminated and cleaned

S/N

Order #

Calibrated By

Date of Calibration

☒ 30 Second Video Attached

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
Any problems must be reported to Field Environmental within 24 hours of receiving equipment.

Geotech Bladder Pump Specifications

	1.66SS36	1.66SS18	.85SS24	.675SS18	1.66 Port	.85 Port	.675 Port
Pump Housing	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS
Pump Ends	Virgin PTFE	Virgin PTFE	Virgin PTFE	316 SS	316 SS	316 SS	316 SS
O.D.	1.66"	1.66"	.85"	.675"	1.66"	.85"	.675"
Length	38"	20"	25"	18"	19"	18 ^{5/8} "	18 ^{3/4} "
Weight	5 lbs	2.5 lbs	1.6 lbs	.83 lbs	3 lbs	1.1 lbs	.83 lbs
Volume/Cycle	625 mL	313 mL	59.6 mL	38.4 mL	150 mL	29 mL	15 mL
Min Well I.D.	2"	2"	1"	.75"	2"	1"	.75"
Max Depth	1000'	1000'	250'	250'	200'	200'	200'

QED Sample Pro Pump Specifications

	1.75	0.75
Pump Housing	316 SS	316 SS
Pump Ends	303 SS	303 SS
O.D.	1.75"	0.75"
Length	14.75"	10.75"
Weight	4.25 lbs	0.5 lbs
Volume/Cycle	100 mL	15 mL
Max Depth	250'	200'

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
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Peristaltic Pump Conformance Sheet

Unit Cleaned Thoroughly?	Confirmed
Battery Voltage (Acceptable Range: 12.6V or Higher)	12.9
Speed Control Functioning?	Confirmed
No Power Loss When Cable is Moved Around?	Confirmed
All Housing Screws in place?	Confirmed
1' Silicone Tubing (3/16" x 3/8") in Pump Head?	Confirmed
Pump Head Functioning in Forward and Reverse?	Confirmed
Unit Packed in 18" Husky Bag?	Confirmed
Battery and Charger Packed in 12" Husky Bag?	Confirmed
EZ-Load Head installed on 0-600 rpm port	Confirmed

Model	Geopump II ▼
Unit S/N	6211
Unit UX	U102556X
Pump Head S/N	D20003151
Pump Head UX	U102557X
Order #	582628

Calibrated By Ivan Munoz ▼

Revision 1, 3/27/24

Date of Calibration 04/03/25

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
Any problems must be reported to Field Environmental within 24 hours of receiving equipment.



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301 Brushton Ave
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Fax (412) 436-2616

Water Level Meter Certificate

Tape and Reel Cleaned/Checked for Nicks	Confirmed
Probe Tested?	Confirmed
Speaker Sounding?	Confirmed
All Housing Screws in place?	Confirmed
Draw-Down Mode Functioning? (Heron Units)	Confirmed
Thumb Screws Tightened? (Heron Units)	Confirmed
Video Taken and Attached to Order	Confirmed
Twist Knob Brake Contains Rubber Stopper	Confirmed

Model	Heron Water Level Meter ▼
S/N	11FF2308174HB
UX	U118062X

Probe (Heron Units Only)	
Model	Water Level Meter Probe ▼
S/N	I06J019WX
UX	U116236X

Calibrated By	Ivan Munoz ▼
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FEI Order #	582628
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Date of Calibration	4/3/2025
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Rev 2.0 2/23/24

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
Any problems must be reported to Field Environmental within 24 hours of receiving equipment.



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Toll Free (800) 393-4009
Local (412) 436-2600
Fax (412) 436-2616**

Water Level Meter Certificate

Tape and Reel Cleaned/Checked for Nicks	Confirmed
Probe Tested?	Confirmed
Speaker Sounding?	Confirmed
All Housing Screws in place?	Confirmed
Draw-Down Mode Functioning? (Heron Units)	Confirmed
Thumb Screws Tightened? (Heron Units)	Confirmed
Video Taken and Attached to Order	Confirmed
Twist Knob Brake Contains Rubber Stopper	Confirmed

Model	Heron Water Level Meter ▼
S/N	12DF2202059FR
UX	U109355X

Probe (Heron Units Only)	
Model	Water Level Meter Probe ▼
S/N	N/A
UX	N/A

Calibrated By	Ivan Munoz ▼
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FEI Order #	582628
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Date of Calibration	4/3/2025
----------------------------	----------

Rev 2.0 2/23/24

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
Any problems must be reported to Field Environmental within 24 hours of receiving equipment.



FIELD ENVIRONMENTAL INSTRUMENTS, INC.

www.fiieldenvironmental.com

301 Brushton Ave
Suite A
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Toll Free (800) 393-4009
Local (412) 436-2600
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YSI 6-Series Calibration Certificate

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 7 @ 25°C	44070163	7/18/2026	6.91	7.00	(6.86 to 7.14)
			pH mV value	-18.4	(0 mV +/- 50mV)
Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 4 @ 25°C	44080520	8/29/2026	3.85	4.00	(3.92 to 4.08)
			pH mV value	156.10	(146.6mV to 161.6mV)
Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 10 @ 25°C	44090097	9/19/2026	9.93	10.00	(9.80 to 10.20)
			pH mV value	-189.70	(-183.4mV to -198.4mV)
Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
Conductivity	8409390	10/18/2026	1376.000	1409.000	(1.338 to 1.479)

Dissolved Oxygen

	Pre-Cal Reading	Post-Cal Reading	
100% Saturation	8.75	8.72	mg/L

Check Standard	Temp °C	Relative Reading	Acceptable Range
ORP	23.0	220.0	(+/- 20mV from the solution mv value)
	mV Offset	19.1	(+/-100mV)

	Pre-Cal Reading	Post-Cal Reading
Turbidity		
0 NTU	5.0	0.0
124 NTU	200.0	124.0

Model	YSI Pro DSS
Cable Length	4 Meter
Cable SN	23L102384
S/N	24E100240
Barcode	U121840X
Order #	582628

Calibrated By	Zumair khan
Date of Calibration	4/3/2025

*Solutions provided by Reagents (800-732-8484)

Revision 1, 3/27/24

All calibrations performed by FEI conform to manufacturer's specifications. Please report any issues within 24 hours of receiving equipment.

All calibration solutions used are traceable to NIST. Additional documentation is available upon request.



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Suite A
Pittsburgh, PA 15221
Toll Free (800) 393-4009
Local (412) 436-2600
Fax (412) 436-2616

YSI 6-Series Calibration Certificate

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 7 @ 25°C	44070163	7/18/2026	7.01	7.00	(6.86 to 7.14)
			pH mV value	-35.0	(0 mV +/- 50mV)

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 4 @ 25°C	44080520	8/29/2026	3.98	4.00	(3.92 to 4.08)
			pH mV value	141.90	(130mV to 145mV)

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 10 @ 25°C	44090097	9/19/2026	9.98	10.00	(9.80 to 10.20)
			pH mV value	-202.20	(-200mV to -215mV)

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
Conductivity	8409390	10/18/2026	1695.000	1409.000	(1.338 to 1.479)

Dissolved Oxygen

	Pre-Cal Reading	Post-Cal Reading	
100% Saturation	8.75	8.66	mg/L

Check Standard	Temp °C	Relative Reading	Acceptable Range
ORP	23.0	220.0	(+/- 20mV from the solution mv value)
	mV Offset	13.2	(+/-100mV)

	Pre-Cal Reading	Post-Cal Reading
Turbidity		
0 NTU	-0.7	0.0
124 NTU	90.0	124.0

Model	YSI Pro DSS
Cable Length	4 Meter
Cable SN	22H102750
S/N	22K103955
Barcode	U115939X
Order #	582628

Calibrated By	Zumair khan
Date of Calibration	4/3/2025

*Solutions provided by Reagents (800-732-8484)

Revision 1, 3/27/24

All calibrations performed by FEI conform to manufacturer's specifications. Please report any issues within 24 hours of receiving equipment.
All calibration solutions used are traceable to NIST. Additional documentation is available upon request.

LOGO		PROJECT INFORMATION						
		Site: Vermillion		Client: <u>Vistra/Rampall</u>	Date: <u>14-15-25</u>			
		Project Number 2025.0021		Task #:				
		Calibrated By <u>Corner</u>						
METER SUMMARY								
Meter		Make/Model		Serial #				
Multi-Parameter Probe (pH, DO, ORP, SC, Turbidity)		<u>PRO D33</u>		<u>U129766X</u>				
Turbidity Meter								
Other:								
SPECIFIC CONDUCTANCE¹								
Time HH:MM	Calibration Standard Temp deg C	Specific Conductance (Before Adj.) μ S/cm	Specific Conductance (After Adj.) μ S/cm		Standard Lot No.			
<u>0705</u>	<u>17.1</u>	<u>1143</u>	<u>N/A Pump</u>	<u>1167</u>	<u>8409390</u>			
<u>1415</u>	<u>13.6</u>	<u>1214</u>	<u>Pump</u>	<u>@ 17.1</u>	<u>Calibration Standard Value 14690250</u>			
<u>1600</u>	<u>14.5</u>	<u>1209</u>	<u>Pump</u>		<u>Standard Exp. Date 10-18-25</u>			
1) Perform SC calibration prior to pH, as pH standard is extremely conductive and can skew calibration.								
pH²								
Time HH:MM	pH Buffer	Calibration Standard Temp deg C	pH (Before Adj.)	pH (After Adj.)	Slope	MV	Buffer Lot #'s	
<u>0710</u>	<u>7.0</u>	<u>12.6</u>	<u>7.04</u>	<u>N/A Pump</u>		<u>-38.6</u>	pH <u>7</u>	<u>44070163</u>
<u>1420</u>	<u>7.0</u>	<u>13.1</u>	<u>7.07</u>	<u>Pump</u>		<u>-29.5</u>	pH	
<u>1605</u>	<u>7.0</u>	<u>13.6</u>	<u>7.06</u>	<u>Pump</u>		<u>-28.7</u>	pH	
							Buffer Exp. Dates	
							pH <u>7</u>	<u>7/18/26</u>
							pH	
							pH	
2) A 3-point pH calibration should be used if a 2-point does not bracket the range of pH expected or if the range is unknown or expected to vary greatly.								
ORP								
Time HH:MM	Calibration Standard Value mV	Calibration Standard Temp deg C	ORP (Before Adj.) μ S/cm	ORP (After Adj.) μ S/cm		Standard Lot No.	Standard Exp. Date	
<u>0715</u>	<u>220</u>	<u>13.9</u>	<u>205.6</u>	<u>Pump</u>		<u>15178</u>	<u>12/23/25</u>	
<u>1425</u>	<u>220</u>	<u>13.8</u>	<u>210.5</u>	<u>Pump</u>				
<u>1615</u>	<u>220</u>	<u>15.8</u>	<u>121.5</u>	<u>224.7</u>				
DISSOLVED OXYGEN								
% Saturation Method	Time HH:MM	Barometric Pressure	Initial Reading mg/L	% Saturation	Calibrated To mg/L	Final Reading mg/L		
100%	<u>0720</u>	<u>770.1</u>	<u>9.98</u>	<u>100</u>	<u>Pump</u>	<u>9.98</u>		
	<u>1430</u>	<u>776.1</u>	<u>9.95</u>	<u>100</u>	<u>Pump</u>	<u>9.95</u>		
	<u>1610</u>		<u>11.04</u>	<u>100</u>	<u>Pump</u>	<u>11.04</u>		
0 %								
TURBIDITY								
0 NTU			___ NTU					
Time HH:MM	Initial Reading NTU	Calibrated To NTU	Time HH:MM	Initial Reading NTU	Calibrated To NTU			
<u>0715</u>	<u>1.72</u>	<u>Pump</u>						
<u>1435</u>	<u>1.32</u>	<u>Pump</u>						
<u>1610</u>	<u>10.85</u>	<u>Pump</u>						
						Standard Lot No: <u>8403304</u>		
						Standard Exp. Date: <u>10/21/25</u>		

1 bump due to partial sampling done (event finish)

LOGO	PROJECT INFORMATION					
	Site: Vermillion		Client:		Date: 4/16/25	
	Project Number 2025.0021		Task #:			
	Calibrated By (C. Anderson)					
METER SUMMARY						
Meter		Make/Model		Serial #		
Multi-Parameter Probe (pH, DO, ORP, SC, Turbidity)		YSE-PRO-00		12115939X		
Turbidity Meter						
Other:						
SPECIFIC CONDUCTANCE¹						
Time HH:MM	Calibration Standard Temp deg C	Specific Conductance (Before Adj.) µS/cm	Specific Conductance (After Adj.) µS/cm	Standard Lot No.		8409390
0712	10.9	1221	NA Bump	Calibration Standard Value		1221
				Standard Exp. Date		10/18/26
1) Perform SC calibration prior to pH, as pH standard is extremely conductive and can skew calibration.						
pH²						
Time HH:MM	pH Buffer	Calibration Standard Temp deg C	pH (Before Adj.)	pH (After Adj.)	Slope	MV
0715	7	15.5	7.01	NA	Bump	-35.6
1210	7	17.4	7.02	NA	Bump	-35.6
1418	7	21.1	7.02	NA	Bump	-36.3
						Buffer Lot #'s
						pH 7 44670163
						pH 7 " "
						pH —
						Buffer Exp. Dates
						pH 7 7/18/26
						pH 4 " "
						pH —
2) A 3-point pH calibration should be used if a 2-point does not bracket the range of pH expected or if the range is unknown or expected to vary greatly.						
ORP						
Time HH:MM	Calibration Standard Value mV	Calibration Standard Temp deg C	ORP (Before Adj.) µS/cm	ORP (After Adj.) µS/cm	Standard Lot No.	Standard Exp. Date
0720	220	13.3	2.91.5	NA Bump	15179	12/20/25
DISSOLVED OXYGEN						
% Saturation Method	Time HH:MM	Barometric Pressure	Initial Reading mg/L	% Saturation	Calibrated To mg/L	Final Reading mg/L
100%	0720	766.4	1135	100	1147	11.51
0 %						
TURBIDITY						
0 NTU			___ NTU			
Time HH:MM	Initial Reading NTU	Calibrated To NTU	Time HH:MM	Initial Reading NTU	Calibrated To NTU	
0720	0.32	NA Bump				
			Standard Lot No: 8412542			
			Standard Exp. Date: 7/23/26			

16.9
8.0
2
16.2

No calibration because no sampling occurred

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 2, 2025**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
16B	UU	E009	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.00500
16B	UU	E009	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.001
16B	UU	E009	Barium, total	mg/L	--	--	--	--	NS ⁷	0.0820
16B	UU	E009	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.001
16B	UU	E009	Boron, total	mg/L	--	--	--	--	NS ⁷	0.430
16B	UU	E009	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.001
16B	UU	E009	Chloride, total	mg/L	--	--	--	--	NS ⁷	20.4
16B	UU	E009	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.00400
16B	UU	E009	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.0900
16B	UU	E009	Fluoride, total	mg/L	--	--	--	--	NS ⁷	0.430
16B	UU	E009	Lead, total	mg/L	--	--	--	--	NS ⁷	0.001
16B	UU	E009	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.0300
16B	UU	E009	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.0002
16B	UU	E009	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.00400
16B	UU	E009	pH (field)	SU	--	--	--	--	NS ⁷	6.3/7.8
16B	UU	E009	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	7.00
16B	UU	E009	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.001
16B	UU	E009	Sulfate, total	mg/L	--	--	--	--	NS ⁷	338
16B	UU	E009	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002
16B	UU	E009	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,080
16A	BCU	E009	Antimony, total	mg/L	04/01/21 - 04/14/25	16	94	CB around T-S line	0.001	0.00500
16A	BCU	E009	Arsenic, total	mg/L	04/01/21 - 04/14/25	16	6	CI around geomean	0.0011	0.001
16A	BCU	E009	Barium, total	mg/L	04/01/21 - 04/14/25	16	0	CI around mean	0.268	0.0820
16A	BCU	E009	Beryllium, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.001	0.001
16A	BCU	E009	Boron, total	mg/L	04/01/21 - 04/14/25	16	0	CI around mean	0.701	0.430
16A	BCU	E009	Cadmium, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.0005	0.001
16A	BCU	E009	Chloride, total	mg/L	04/01/21 - 04/14/25	16	0	CI around mean	121	20.4

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
16A	BCU	E009	Chromium, total	mg/L	04/01/21 - 04/14/25	16	81	CB around T-S line	0.0015	0.00400
16A	BCU	E009	Cobalt, total	mg/L	04/01/21 - 04/14/25	16	81	CI around median	0.001	0.0900
16A	BCU	E009	Fluoride, total	mg/L	04/01/21 - 04/14/25	16	6	CI around mean	0.697	0.430
16A	BCU	E009	Lead, total	mg/L	04/01/21 - 04/14/25	16	75	CI around median	0.0005	0.001
16A	BCU	E009	Lithium, total	mg/L	04/01/21 - 04/14/25	16	0	CB around T-S line	0.0315	0.0300
16A	BCU	E009	Mercury, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.0002	0.0002
16A	BCU	E009	Molybdenum, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.005	0.00400
16A	BCU	E009	pH (field)	SU	04/01/21 - 04/14/25	21	0	CI around mean	7.2/7.5	6.3/7.8
16A	BCU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/14/25	15	0	CB around linear reg	1.01	7.00
16A	BCU	E009	Selenium, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.0025	0.001
16A	BCU	E009	Sulfate, total	mg/L	04/01/21 - 04/14/25	21	5	CI around geomean	9.41	338
16A	BCU	E009	Thallium, total	mg/L	04/01/21 - 04/14/25	16	100	All ND - Last	0.002	0.002
16A	BCU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/14/25	21	0	CI around mean	653	1,080
35S	UU	E009	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.00500
35S	UU	E009	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.001
35S	UU	E009	Barium, total	mg/L	--	--	--	--	NS ⁷	0.0820
35S	UU	E009	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.001
35S	UU	E009	Boron, total	mg/L	--	--	--	--	NS ⁷	0.430
35S	UU	E009	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.001
35S	UU	E009	Chloride, total	mg/L	--	--	--	--	NS ⁷	20.4
35S	UU	E009	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.00400
35S	UU	E009	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.0900
35S	UU	E009	Fluoride, total	mg/L	--	--	--	--	NS ⁷	0.430
35S	UU	E009	Lead, total	mg/L	--	--	--	--	NS ⁷	0.001
35S	UU	E009	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.0300
35S	UU	E009	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.0002
35S	UU	E009	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.00400

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
35S	UU	E009	pH (field)	SU	--	--	--	--	NS ⁷	6.3/7.8
35S	UU	E009	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	7.00
35S	UU	E009	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.001
35S	UU	E009	Sulfate, total	mg/L	--	--	--	--	NS ⁷	338
35S	UU	E009	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002
35S	UU	E009	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,080
35D	BCU	E009	Antimony, total	mg/L	04/01/21 - 04/15/25	17	82	CI around median	0.001	0.00500
35D	BCU	E009	Arsenic, total	mg/L	04/01/21 - 04/15/25	17	24	CI around geomean	0.00152	0.001
35D	BCU	E009	Barium, total	mg/L	04/01/21 - 04/15/25	17	0	CB around T-S line	-0.0332	0.0820
35D	BCU	E009	Beryllium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.001	0.001
35D	BCU	E009	Boron, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	1.73	0.430
35D	BCU	E009	Cadmium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0005	0.001
35D	BCU	E009	Chloride, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	338	20.4
35D	BCU	E009	Chromium, total	mg/L	04/01/21 - 04/15/25	17	76	CB around T-S line	0.00374	0.00400
35D	BCU	E009	Cobalt, total	mg/L	04/01/21 - 04/15/25	17	59	CB around T-S line	-0.00121	0.0900
35D	BCU	E009	Fluoride, total	mg/L	04/01/21 - 04/15/25	17	6	CI around median	0.66	0.430
35D	BCU	E009	Lead, total	mg/L	04/01/21 - 04/15/25	17	65	CB around T-S line	-0.00334	0.001
35D	BCU	E009	Lithium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.12	0.0300
35D	BCU	E009	Mercury, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0002	0.0002
35D	BCU	E009	Molybdenum, total	mg/L	04/01/21 - 04/15/25	17	41	CB around linear reg	-0.00201	0.00400
35D	BCU	E009	pH (field)	SU	04/01/21 - 04/15/25	21	0	CI around median	7.3/7.4	6.3/7.8
35D	BCU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/15/25	16	0	CI around mean	0.472	7.00
35D	BCU	E009	Selenium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0025	0.001
35D	BCU	E009	Sulfate, total	mg/L	04/01/21 - 04/15/25	22	0	CI around mean	1,160	338
35D	BCU	E009	Thallium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.002	0.002
35D	BCU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/15/25	22	0	CI around mean	2,850	1,080
70S	UU	E009	Antimony, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.003	0.00500

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
70S	UU	E009	Arsenic, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.001	0.001
70S	UU	E009	Barium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.0163	0.0820
70S	UU	E009	Beryllium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.001	0.001
70S	UU	E009	Boron, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.404	0.430
70S	UU	E009	Cadmium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0005	0.001
70S	UU	E009	Chloride, total	mg/L	04/01/21 - 04/15/25	17	0	CB around linear reg	7.78	20.4
70S	UU	E009	Chromium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.005	0.00400
70S	UU	E009	Cobalt, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.001	0.0900
70S	UU	E009	Fluoride, total	mg/L	04/01/21 - 04/15/25	17	6	CI around median	0.14	0.430
70S	UU	E009	Lead, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0005	0.001
70S	UU	E009	Lithium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.0126	0.0300
70S	UU	E009	Mercury, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0002	0.0002
70S	UU	E009	Molybdenum, total	mg/L	04/01/21 - 04/15/25	17	47	CI around median	0.005	0.00400
70S	UU	E009	pH (field)	SU	04/01/21 - 04/15/25	17	0	CI around mean	6.9/7.0	6.3/7.8
70S	UU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/15/25	16	0	CI around geomean	0.115	7.00
70S	UU	E009	Selenium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0025	0.001
70S	UU	E009	Sulfate, total	mg/L	04/01/21 - 04/15/25	17	0	CB around linear reg	415	338
70S	UU	E009	Thallium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.002	0.002
70S	UU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/15/25	17	0	CB around linear reg	946	1,080
70D	BCU	E009	Antimony, total	mg/L	04/01/21 - 04/15/25	17	88	CB around T-S line	0.001	0.00500
70D	BCU	E009	Arsenic, total	mg/L	04/01/21 - 04/15/25	17	71	CI around median	0.001	0.001
70D	BCU	E009	Barium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.419	0.0820
70D	BCU	E009	Beryllium, total	mg/L	04/01/21 - 04/15/25	17	82	CI around median	0.001	0.001
70D	BCU	E009	Boron, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	1.23	0.430
70D	BCU	E009	Cadmium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0005	0.001
70D	BCU	E009	Chloride, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	491	20.4
70D	BCU	E009	Chromium, total	mg/L	04/01/21 - 04/15/25	17	53	CB around T-S line	-0.0558	0.00400

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
70D	BCU	E009	Cobalt, total	mg/L	04/01/21 - 04/15/25	17	24	CB around T-S line	-0.0479	0.0900
70D	BCU	E009	Fluoride, total	mg/L	04/01/21 - 04/15/25	17	6	CI around mean	0.408	0.430
70D	BCU	E009	Lead, total	mg/L	04/01/21 - 04/15/25	17	29	CB around T-S line	-0.0294	0.001
70D	BCU	E009	Lithium, total	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	0.0777	0.0300
70D	BCU	E009	Mercury, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.0002	0.0002
70D	BCU	E009	Molybdenum, total	mg/L	04/01/21 - 04/15/25	17	47	CB around linear reg	-0.0114	0.00400
70D	BCU	E009	pH (field)	SU	04/01/21 - 04/15/25	17	0	CB around linear reg	6.6/7.1	6.3/7.8
70D	BCU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/15/25	16	0	CB around T-S line	-8.33	7.00
70D	BCU	E009	Selenium, total	mg/L	04/01/21 - 04/15/25	17	88	CB around T-S line	0.001	0.001
70D	BCU	E009	Sulfate, total	mg/L	04/01/21 - 04/15/25	17	0	CI around median	43	338
70D	BCU	E009	Thallium, total	mg/L	04/01/21 - 04/15/25	17	100	All ND - Last	0.002	0.002
70D	BCU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/15/25	17	0	CI around mean	1,380	1,080
71S	UU	E009	Antimony, total	mg/L	04/01/21 - 04/15/25	11	100	All ND - Last	0.003	0.00500
71S	UU	E009	Arsenic, total	mg/L	04/01/21 - 04/15/25	11	9	CB around linear reg	-0.00271	0.001
71S	UU	E009	Barium, total	mg/L	04/01/21 - 04/15/25	11	0	CI around geomean	0.0439	0.0820
71S	UU	E009	Beryllium, total	mg/L	04/01/21 - 04/15/25	11	100	All ND - Last	0.001	0.001
71S	UU	E009	Boron, total	mg/L	04/01/21 - 04/15/25	11	0	CI around mean	0.188	0.430
71S	UU	E009	Cadmium, total	mg/L	04/01/21 - 04/15/25	11	91	CB around T-S line	-0.000773	0.001
71S	UU	E009	Chloride, total	mg/L	04/01/21 - 04/15/25	11	0	CI around geomean	1.82	20.4
71S	UU	E009	Chromium, total	mg/L	04/01/21 - 04/15/25	11	91	CB around T-S line	0.0015	0.00400
71S	UU	E009	Cobalt, total	mg/L	04/01/21 - 04/15/25	11	54	CI around median	0.001	0.0900
71S	UU	E009	Fluoride, total	mg/L	04/01/21 - 04/15/25	11	0	CI around mean	0.174	0.430
71S	UU	E009	Lead, total	mg/L	04/01/21 - 04/15/25	11	91	CI around median	0.0005	0.001
71S	UU	E009	Lithium, total	mg/L	04/01/21 - 04/15/25	11	9	CI around mean	0.00429	0.0300
71S	UU	E009	Mercury, total	mg/L	04/01/21 - 04/15/25	11	100	All ND - Last	0.0002	0.0002
71S	UU	E009	Molybdenum, total	mg/L	04/01/21 - 04/15/25	11	27	CI around mean	0.00228	0.00400
71S	UU	E009	pH (field)	SU	04/01/21 - 04/15/25	11	0	CI around mean	6.6/6.9	6.3/7.8

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
71S	UU	E009	Radium 226 + Radium 228, total	pCi/L	04/01/21 - 04/15/25	11	0	CI around mean	0.215	7.00
71S	UU	E009	Selenium, total	mg/L	04/01/21 - 04/15/25	11	91	CI around median	0.001	0.001
71S	UU	E009	Sulfate, total	mg/L	04/01/21 - 04/15/25	11	0	CI around mean	56.5	338
71S	UU	E009	Thallium, total	mg/L	04/01/21 - 04/15/25	11	91	CI around median	0.002	0.002
71S	UU	E009	Total Dissolved Solids	mg/L	04/01/21 - 04/15/25	11	0	CB around linear reg	517	1,080
71D	BCU	E009	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.00500
71D	BCU	E009	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.001
71D	BCU	E009	Barium, total	mg/L	--	--	--	--	NS ⁷	0.0820
71D	BCU	E009	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.001
71D	BCU	E009	Boron, total	mg/L	--	--	--	--	NS ⁷	0.430
71D	BCU	E009	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.001
71D	BCU	E009	Chloride, total	mg/L	--	--	--	--	NS ⁷	20.4
71D	BCU	E009	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.00400
71D	BCU	E009	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.0900
71D	BCU	E009	Fluoride, total	mg/L	--	--	--	--	NS ⁷	0.430
71D	BCU	E009	Lead, total	mg/L	--	--	--	--	NS ⁷	0.001
71D	BCU	E009	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.0300
71D	BCU	E009	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.0002
71D	BCU	E009	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.00400
71D	BCU	E009	pH (field)	SU	--	--	--	--	NS ⁷	6.3/7.8
71D	BCU	E009	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	7.00
71D	BCU	E009	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.001
71D	BCU	E009	Sulfate, total	mg/L	--	--	--	--	NS ⁷	338
71D	BCU	E009	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002
71D	BCU	E009	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,080

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OAKWOOD, IL

Notes:

-- = no data available

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

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

Events:

E009 = Quarter 2, 2025 sampling event

HSU = hydrostratigraphic unit:

BCU = Bedrock Confining Unit

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

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

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

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

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

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

NS⁶ = Sampling pump could not yield a sample.

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

NS⁸ = A sample was not collected.

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

For pH, the values presented are the lower / upper limits of the background determination