DATA SUMMARY POSTING

Station: Midwest Generation Joliet #9 Generating Station

Regulated Unit(s): Lincoln Stone Quarry (IEPA ID No. W1970450046-01)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 3rd quarter 2023 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

No background statistics or proposed Groundwater Protection Standards are included on these tables. The background statistics and Proposed Groundwater Protection Standards were submitted to Illinois Environmental Protection Agency (EPA) as part of the Application for Initial Operating Permit submitted October 31, 2021. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Joliet Station #9, Joliet, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
G45S up-gradient	11/20/2015	0.81	120	180	0.35	7.20	360	810	< 0.003	0.0081	0.044	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	0.0120	1.76	< 0.0025	< 0.002
	5/12/2016	0.68	110	140	0.34	7.37	230	860	< 0.003	0.0076	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	0.0100	3.01	< 0.0025	< 0.002
	6/30/2016	0.48	87	110	0.34	7.50	170	670	< 0.003	0.0075	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.034	< 0.0002	0.008	2.05	< 0.0025	< 0.002
	8/25/2016	0.47	94	100	0.35	7.28	170	790	< 0.003	0.0076	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.031	< 0.0002	0.0086	1.91	< 0.0025	< 0.002
	11/16/2016	0.41	91	90	0.33	7.34	170	620	< 0.003	0.0079	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0094	2.04	< 0.0025	< 0.002
	2/14/2017	0.43	97	97	0.32	7.36	160	620	< 0.003	0.0093	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.0083	1.85	< 0.0025	< 0.002
	5/23/2017	0.36	85	110	0.35	7.30	150	660	< 0.003	0.0082	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.0093	1.40	< 0.0025	< 0.002
	7/7/2017	0.42	94	120	< 0.1	7.21	150	600	< 0.003	0.0086	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.0002	0.007	1.88	< 0.0025	< 0.002
	9/26/2017	0.43	110	130	0.3	7.21	160	790	< 0.003	0.0096	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.0079	2.14	< 0.0025	< 0.002
	11/21/2017	0.34	96	130	0.33	7.29	180	700	< 0.003	0.0094	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0072	8.45	< 0.0025	< 0.002
	3/9/2018	0.38	97	110	0.32	7.18	180	710	< 0.003	0.0093	0.036	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	^ < 0.0002	0.008	1.89	< 0.0025	< 0.002
	5/21/2018	0.76	110	150	0.33	7.00	230	970	NA	0.0072	0.047	NA	NA	NA	< 0.001	< 0.0005	0.033	NA	0.013	2.37	< 0.0025	NA
	12/7/2018	0.46	91	120	0.33	7.02	100	740	NA	0.0090	0.034	NA	NA	NA	< 0.001	< 0.0005	0.031	NA	0.0100	1.910	< 0.0025	NA
	6/28/2019	0.39	96	130	0.33	7.51	120	720	NA	0.0100	0.039	NA	NA	NA	< 0.001	< 0.0005	0.032	NA	0.0087	1.99	< 0.0025	NA
	11/14/2019	0.48	110	170	0.33	7.33	170	830	NA	< 0.0100	0.042	NA	NA	NA	< 0.001	< 0.0005	0.034	NA	0.0100	2.89	< 0.010	NA
	6/26/2020	0.62	130	220	0.33	7.21	240	970	NA	0.011	0.049	NA	NA	NA	< 0.001	< 0.0005	0.039	NA	0.0088	3.1	< 0.0025	NA
	12/11/2020	0.70	120	180	0.38	7.16	220	760	NA	0.011	0.042	NA	NA	NA	< 0.001	^+ < 0.0005	0.038	NA	0.012	1.88	< 0.0025	NA
	6/28/2021	0.44	91	110	0.35	7.20	150	680	< 3.0	0.01	0.034	< 1.0	< 0.50	< 5.00	< 0.001	< 0.0005	0.031	< 0.0002	0.0083	2.14	< 0.0025	< 2.0
	9/23/2021	0.39	85	110	0.35	7.43	140	690	< 0.003	0.01	0.36	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.0002	0.0076	2.77	< 0.0025	< 0.002
	12/16/2021	0.34	84	87	0.36	7.35	130	510	< 0.003	0.0092	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0073	1.74	< 0.0025	< 0.002
	3/16/2022	< 0.5	130	86	0.36	7.35	130	700	< 0.003	0.0018	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.075	< 0.0002	0.0092	2.92	< 0.0025	< 0.002
	6/10/2022	0.34	84	110	0.35	7.28	130	630	< 0.003	0.0082	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0072	2.17	< 0.0025	< 0.002
	9/26/2022	0.48	97	150	0.35	7.14	180	830	< 0.003	0.0086	0.042	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.011	2.63	< 0.0025	< 0.002
	12/21/2022	0.39	110	190	0.72	7.06	190	920	< 0.003	0.0095	0.05	< 0.001	< 0.001	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.0089	2.91	< 0.0025	< 0.002
	3/23/2023	0.44	91	130	0.35	7.30	160	740	< 0.003	0.0096	0.04	< 0.001	< 0.001	< 0.005	< 0.001	< 0.0005	0.03	< 0.0002	0.011	2.28	< 0.0025	< 0.002
	6/30/2023	0.44	89	120	0.36	7.23	150	610	< 0.003	0.0094	0.038	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0050	0.031	< 0.00020	0.012	1.88	< 0.0025	< 0.002
	9/14/2023	0.46	67	120	0.36	7.35	F1 150	600	< 0.0020	0.010	0.033	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	0.026	< 0.00020	0.013	1.95	< 0.0050	< 0.0010
T03S up-gradient	11/19/2015	0.5	110	75	0.22	7.07	250	710	< 0.003	0.0019	0.063	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.0260	1.101	< 0.0025	< 0.002
	5/5/2016	0.84	100	100	0.21	7.16	190	820	< 0.003	0.0013	0.081	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.03	1.43	< 0.0025	< 0.002
	6/28/2016	0.98	100	94	0.19	7.30	180	910	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	0.0011	< 0.0005	0.017	< 0.0002	0.037	1.18	< 0.0025	< 0.002
	8/25/2016	1.1	110	99	0.20	7.32	180	880	< 0.003	< 0.001	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.043	1.54	< 0.0025	< 0.002
	11/17/2016	1.3	120	100	0.19	7.14	150	860	< 0.003	0.0012	0.096	< 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.022	< 0.0002	0.14	1.61	< 0.0025	< 0.002
	2/15/2017	1.0	98	110	0.19	7.36	230	810	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	0.0013	< 0.0005	< 0.05	< 0.0002	0.12	0.938	< 0.0025	< 0.002
	5/22/2017	1.4	110	78	0.23	7.25	160	740	< 0.003	0.0017	B 0.088	^ < 0.001	< 0.0005	< 0.005	0.0015	0.0023	0.019	< 0.0002	0.13	1.21	< 0.0025	< 0.002
	7/7/2017	1.1	100	F1 71	< 0.1	7.32	180	710	< 0.003	< 0.001	0.078	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.099	1.11	< 0.0025	< 0.002
	9/26/2017	1.3	110	80	0.21	7.19	240	790	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	0.0013	< 0.0005	0.018	< 0.0002	0.14	1.33	< 0.0025	< 0.002
	11/20/2017	1.7	98	90	0.24	7.13	230	770	< 0.003	0.0014	0.087	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.02	< 0.0002	0.20	1.59	< 0.0025	< 0.002
	3/7/2018	1.5	110	110	0.23	7.34	250	900	< 0.003	0.0023	0.093	< 0.001	< 0.0005	< 0.005	0.0013	< 0.0005	0.022	< 0.0002	0.26	1.30	< 0.0025	< 0.002
	5/17/2018	1.8	100	82	0.24	7.07	210	890	NA	0.001	0.087	NA	NA	NA	0.0013	< 0.0005	0.021	NA	0.240	1.25	< 0.0025	NA
	12/11/2018	1.8	100	140	0.23	6.96	160	890	NA	0.0014	0.095	NA	NA	NA	0.0012	< 0.0005	0.021	NA	0.270	1.31	< 0.0025	NA
	6/24/2019	2.7	100	89	0.27	7.17	260	830	NA	0.0020	0.090	NA	NA	NA	0.0010	< 0.0005	0.027	NA	0.370	1.33	< 0.0025	NA
	10/28/2019	1.5	100	73	0.25	7.19	< 500	780	NA	< 0.0100	0.088	NA	NA	NA	0.0011	< 0.0050	0.026	NA	0.210	1.38	< 0.0100	NA
	6/23/2020	2.3	97	74	0.33	7.29	240	770	NA	0.0024	0.093	NA	NA	NA	< 0.001	< 0.0005	0.025	NA	0.23	1.65	< 0.0025	NA
	12/15/2020	1.4	140	F1 170	0.27	7.01	280	960	NA	0.0013	0.11	NA	NA	NA	0.0015	< 0.0005	0.031	NA	0.14	1.74	< 0.0025	NA
	6/22/2021	0.92	120	130	0.23	6.94	220	980	< 0.003	0.0016	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	H < 0.0002	0.071	1.34	< 0.0025	< 0.002
	9/20/2021	1.2	110	110	0.21	7.45	250	640	< 0.003	0.0014	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.12	1.31	< 0.0025	< 0.002
	12/9/2021	2.4	130	110	0.23	7.48	F1 280	870	< 0.003	0.0011	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.026	< 0.0002	0.22	1.44	< 0.0025	< 0.002
	3/14/2022	3.6	31	110	0.22	7.37	280	1000	< 0.003	0.016	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.032	< 0.0002	0.93	1.44	< 0.0025	< 0.002
	6/13/2022	1.7	130	160	0.21	7.44	260	980	< 0.003	0.0015	0.11	< 0.001	< 0.0005	< 0.005	0.0014	< 0.0005	0.025	< 0.0002	0.17	1.46	< 0.0025	< 0.002
	9/26/2022	2.2	110	110	0.21	7.00	260	810	< 0.003	0.0014	0.084	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.22	2.12	< 0.0025	< 0.002
	12/21/2022	2.9	110	91	0.52	7.44	300	960	< 0.003	0.0011	0.081	< 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.028	< 0.0002	0.34	1.16	< 0.0025	< 0.002
	3/20/2023	3.0	110	100	0.21	7.22	320	890	< 0.003	0.0011	0.079	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.033	< 0.0002	0.32	1.06	< 0.0025	< 0.002
	6/30/2023	2.1	120	120	0.20	7.40	230	850	< 0.003	0.0021	0.077	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0050	0.031	< 0.00020	0.16	2.17	< 0.0025	< 0.002
	9/13/2023	1.7	130	130	0.20	7.56	220	910	< 0.0020	< 0.0020	0.080	< 0.0010	< 0.00020	< 0.0050	0.0010	< 0.00050	0.026	< 0.00020	0.14	1.07	< 0.0050	< 0.0010
R08S down-gradient	11/23/2015	6.9	130	77	0.19	7.80	520	740	< 0.003	0.0019	0.052	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.410	1.608	0.0061	< 0.002
	5/6/2016	6.1	120	80	0.19	7.70	380	820	< 0.003	0.0013	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.390	1.08	0.0079	< 0.002
	6/28/2016	6.8	130	89	0.18	7.49	320	960	< 0.003	0.0019	0.056	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.37	1.87	F1 0.0074	< 0.002
	8/25/2016	6.3	120	84	0.19	7.54	350	890	< 0.003	0.0015	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.13	< 0.0002	0.33	1.50	0.0032	< 0.002
	11/21/2016	6.4	120	86	0.17	7.53	280	790	< 0.003	0.0016	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.140	< 0.0002	0.36	2.13	0.0037	< 0.002
	2/14/2017	5.4	150	220	0.17	7.60	280	1,000	< 0.003	0.002	0.081	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.120	< 0.0002	0.3	2.71	0.0029	< 0.002
	5/25/2017	12	250	90	0.17	7.56	340	830	< 0.006	0.0028	0.092	^ < 0.002	< 0.001	< 0.01	< 0.002	< 0.001	0.250	< 0.0002	0.64	0.821	0.021	< 0.004
	7/6/2017	6.3	140	87	0.17	7.62	350	830	< 0.003	0.002	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	^ < 0.0005	0.140	< 0.0002	0.35	1.15	0.0054	^ < 0.002
	9/25/2017	7.3	140	81	0.15	7.57	390	840	< 0.003	0.002	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.00067	0.130	< 0.0002	0.38	1.27	0.0079	< 0.002
	11/21/2017	7.3	130	89	0.15	8.05	380	800	< 0.003	0.0017	0.046	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.140	< 0.0002	0.34	1.09	0.015	< 0.002
	3/8/2018	7.4	150	83	0.14	8.62	420	850	< 0.003	0.0016	0.05	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.150	< 0.0002	0.37	1.55	0.012	< 0.002
	5/18/2018	7.7	140	82	0.14	8.25	320	920	NA	0.0013	0.046	NA	NA	NA	< 0.001	< 0.0005	0.150	NA	0.35	1.22	0.017	NA
	12/13/2018	7.7	140	79	0.15	8.11	240	800	NA	0.0012	0.046	NA	NA	NA	< 0.001	< 0.0005	0.150	NA	0.370	1.450	0.0170	NA
	6/19/2019	8.5	140	83	0.14	8.10	360	820	NA	0.0013	0.044	NA	NA	NA	< 0.001	< 0.0005	0.160	NA	0.370	1.5	0.0150	NA
	11/11/2019	6.4	140	84	0.15	7.91	360	730	NA	< 0.010	0.044	NA	NA	NA	< 0.001	< 0.0005	0.15	NA	0.340	1.31	0.0130	NA
	6/26/2020	7.9	140	83	0.15	8.32	370	750	NA	0.0011	0.043	NA	NA	NA	< 0.001	< 0.0005	0.14	NA	0.36	1.68	0.017	NA
	12/14/2020	8.0	130	88	0.18	8.15	400	700	NA	0.0015	0.040	NA	NA	NA	< 0.001	< 0.0005	0.14	NA	0.38	1.53	0.0081	NA
	6/23/2021	7.6	140	79	0.16	8.07	430	810	< 0.003	0.0011	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.15	H < 0.0002	0.37	1.46	0.011	< 0.002
	9/27/2021	0.41	150	80	0.15	8.27	430	740	< 0.003	0.0015	0.042	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0079	< 0.0002	0.40	1.23	0.013	< 0.002
	12/14/2021	7.80	150	77	0.15	8.37	410	830	< 0.003	< 0.001	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.39	1.81	0.012	< 0.002
	3/11/2022	7.70	130	75	0.16	8.21	420	840	< 0.003	0.0014	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.13	< 0.0002	0.37	2.33	0.0027	< 0.002
	6/7/2022	8.70	150	72	0.14	7.94	420	800	< 0.003	0.0014	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.15	< 0.0002	0.40	1.33	0.012	< 0.002
	9/19/2022	8.40	140	79	0.14	8.47	430	780	< 0.003	0.0013	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.15	< 0.0002	0.39	1.63	0.015	< 0.002
	12/19/2022	8.20	140	81	0.35	8.91	370	750	< 0.003	0.001	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.13	< 0.0002	0.37	1.9	0.01	< 0.002
	3/22/2023	7.6	150	77	0.15	8.39	450	880	< 0.003	0.0012	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.16	< 0.0002	0.4	1.68	0.011	< 0.002
	6/28/2023	8.9	150	77	0.13	7.87	400	750	< 0.003	0.0013	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0050	0.16	< 0.00020	0.38	1.44	0.013	< 0.002
	9/7/2023	7.0	130	81	0.13	8.05	410	760	< 0.0080	< 0.0020	0.036	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	0.13	< 0.00020	0.34	0.950	0.0062	< 0.0040
G20S down-gradient	11/19/2015	1.2	59	12	0.82	7.73	110	410	< 0.003	< 0.001	0.049	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	0.0068	2.078	< 0.0025	< 0.002
	5/11/2016	1.2	53	12	0.81	7.52	77	410	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.037	0.00027	0.011	2.52	< 0.0025	< 0.002
	6/29/2016	1.2	54	12	0.82	7.38	69	460	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0011	< 0.0005	0.04	< 0.0002	0.014	2.79	< 0.0025	< 0.002
	8/23/2016	1.3	56	13	0.81	7.41	67	420	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.039	< 0.0002	0.017	3.67	< 0.0025	< 0.002
	11/17/2016	1.3	59	11	0.74	7.44	55	420	< 0.003	< 0.001	0.056	< 0.001	< 0.0005	< 0.005	0.0018	< 0.0005	0.042	< 0.0002	0.019	1.98	< 0.0025	< 0.002
	2/13/2017	1.2	54	13	0.69	7.30	93	400	< 0.003	< 0.001	0.046	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.04	< 0.0002	0.018	2.44	< 0.0025	< 0.002
	5/24/2017	1.3	55	12	0.81	7.45	66	430	< 0.003	< 0.001	0.046	^ < 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.038	< 0.0002	0.017	2.15	< 0.0025	< 0.002
	7/5/2017	1.3	61	12	0.76	7.37	70	400	< 0.003	< 0.001	0.054	< 0.001	< 0.0005	< 0.005	0.0021	^ < 0.0005	0.04	< 0.0002	0.019	1.83	< 0.0025	^ < 0.002
	9/25/2017	1.3	60	12	0.78	7.30	76	440	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0015	< 0.0005	0.036	< 0.0002	0.022	2.19	< 0.0025	< 0.002
	11/20/2017	1.3	59	13	0.78	7.06	85	390	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0022	< 0.0005	0.041	< 0.0002	0.021	2.50	< 0.0025	< 0.002
	3/6/2018	1.4	63	12	0.76	7.32	88	460	< 0.003	< 0.001	0.049	^ < 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.042	< 0.0002	0.021	2.83	< 0.0025	< 0.002
	5/16/2018	1.2	61	12	0.75	7.06	87	410	NA	< 0.001	0.049	NA	NA	NA	0.0024	^ < 0.0005	0.04	NA	0.019	2.12	< 0.0025	NA
	12/7/2018	1.2	58	12	0.76	7.41	65	480	NA	< 0.001	0.048	NA	NA	NA	0.0010	0.0048	0.042	NA	0.0230	2.26	< 0.0025	NA
	6/18/2019	1.3	62	13	0.75	7.18	65	440	NA	< 0.001	0.051	NA	NA	NA	0.0018	< 0.0005	0.041	NA	0.017	2.11	< 0.0025	NA
	11/5/2019	1.2	58	13	0.74	7.88	71	410	NA	< 0.010	0.050	NA	NA	NA	0.0023	< 0.0005	0.044	NA	0.021	1.74	< 0.0100	NA
	6/24/2020	1.3	58	13	0.79	7.81	63	360	NA	< 0.010	0.045	NA	NA	NA	< 0.001	< 0.0005	0.038	NA	0.019	2.07	< 0.0025	NA
	12/11/2020	1.4	61	14	0.89	7.41	69	390	NA	< 0.001	0.043	NA	NA	NA	< 0.001	^+ < 0.0005	0.042	NA	0.022	2.16	< 0.0025	NA
	6/23/2021	1.3	60	14	0.77	7.46	70	390	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.047	H < 0.0002	0.022	2.06	< 0.0025	< 0.002
	9/23/2021	1.3	57	14	0.76	7.79	69	320	< 0.003	< 0.001	0.050	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.042	< 0.0002	0.024	1.97	< 0.0025	< 0.002
	12/10/2021	1.4	60	14	0.77	8.33	69	360	< 0.003	0.002	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.025	2.26	< 0.0025	< 0.002
	3/15/2022	1.4	110	15	0.75	7.49	74	500	< 0.003	0.001	0.083	< 0.001	< 0.0005	< 0.005	0.001	< 0.0005	0.025	< 0.0002	0.28	2.34	< 0.0025	< 0.002
	6/7/2022	1.3	60	15	0.76	7.07	71	400	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.016	3.55	< 0.0025	< 0.002
	9/19/2022	1.4	58	17	0.78	7.58	55 F1	410	< 0.003	0.002	0.090	< 0.001	< 0.0005	< 0.005	0.014	< 0.0005	0.039	< 0.0002	0.012	7.79	< 0.0025	< 0.002
	11/8/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.09	NA	NA
	12/19/2022	1.3	59	15	0.95	7.06	57	410	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	0.0091	3.08	< 0.0025	< 0.002
	3/14/2023	1.3	62	16	0.75	7.53	64	410	< 0.003	< 0.001	0.05	< 0.001	< 0.0005	< 0.005	0.0015	< 0.0005	0.042	< 0.0002	0.01	3.06	< 0.0025	< 0.002
	6/28/2023	1.4	65	16	0.78	7.2	57	380	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0050	0.042	< 0.00020	0.012	3.40	< 0.0025	< 0.002
	9/6/2023	1.2	57	18	0.77	7.47	62	400	< 0.0020	< 0.0020	0.043	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	0.033	< 0.00020	0.012	2.26	< 0.0050	< 0.0010
G30S down-gradient	11/20/2015	5.80	63	190	1.3	7.46	580	1000	< 0.003	0.014	0.041	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.33	1.484	< 0.0025	< 0.002
	5/10/2016	5.4	53	190	1.30	7.68	390	1100	< 0.003	0.017	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.3	1.41	< 0.0025	< 0.002
	6/30/2016	5.2	60	F1 180	1.30	7.73	410	990	< 0.003	0.013	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.3	1.17	< 0.0025	< 0.002
	8/25/2016	5.7	59	F1 180	1.30	7.70	390	1100	< 0.003	0.015	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.02	< 0.0002	0.31	1.87	< 0.0025	< 0.002
	11/18/2016	6.4	57	170	1.2	8.04	320	1100	< 0.003	0.016	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.33	2.36	< 0.0025	< 0.002
	2/14/2017	5.4	62	190	1.2	7.70	450	1000	< 0.003	0.011	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.24	1.84	< 0.0025	< 0.002
	5/25/2017	11	110	180	1.4	7.67	430	1100	< 0.006	0.019	0.078	^ < 0.002	< 0.001	< 0.01	< 0.002	< 0.001	0.04	< 0.0002	0.45	1.76	< 0.005	< 0.004
	7/7/2017	6.6	54	190	1.3	7.48	410	1100	< 0.003	0.011	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.26	1.59	< 0.0025	< 0.002
	9/26/2017	6.7	62	190	1.3	8.07	460	1100	< 0.003	0.011	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.2	1.41	< 0.0025	< 0.002
	11/20/2017	6.1	52	210	1.3	7.77	440	1100	< 0.003	0.01	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.19	1.73	< 0.0025	< 0.002
	3/7/2018	5.1	56	200	1.3	7.97	470	1100	< 0.003	0.011	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.14	1.94	< 0.0025	< 0.002
	5/17/2018	5.7	55	210	1.2	7.77	540	1100	NA	0.011	0.043	NA	NA	NA	< 0.001	< 0.0005	0.021	NA	0.13	1.57	F1 < 0.0025	NA
	12/15/2018	5.8	57	200	1.2	7.99	200	1100	NA	0.0069	0.041	NA	NA	NA	< 0.001	< 0.0005	0.022	NA	0.065	2.04	< 0.0025	NA
	6/26/2019	5.4	57	220	1.1	7.98	350	1100	NA	0.0074	0.041	NA	NA	NA	< 0.001	< 0.0005	0.018	NA	0.065	1.18	F1 < 0.0025	NA
	11/6/2019	4.5	58	210	1.1	7.99	350	1100	NA	0.01	0.041	NA	NA	NA	< 0.001	< 0.0005	0.019	NA	0.013	1.620	0.01	NA
	6/25/2020	4.9	57	220	1.1	8.33	410	1100	NA	0.0053	0.042	NA	NA	NA	< 0.001	< 0.0005	0.019	NA	0.02	2.19	< 0.0025	NA
	12/7/2020	5.3	57	220	1.2	7.83	450	1100	NA	0.0044	0.043	NA	NA	NA	< 0.001	< 0.0005	0.024	NA	0.018	2.16	< 0.0025	NA
	6/30/2021	B 5.9	61	200	1.1	7.88	470	1100	< 3.0	< 0.017	0.048	^1+ < 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.024	< 0.0002	0.017	2.57	< 0.0025	< 2.0
	9/24/2021	0.26	60	210	0.99	8.16	460	1100	< 0.003	0.0038	0.047	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.012	2.23	< 0.0025	< 0.002
	12/15/2021	5.1	63	200	1	7.95	450	1200	< 0.003	0.0028	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.01	2.45	< 0.0025	< 0.002
	3/15/2022	4.9	57	200	1	7.91	480	1300	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.039	< 0.0002	0.017	1.34	< 0.0025	< 0.002
	6/10/2022	5.1	60	200	0.99	7.29	450	1200	< 0.003	0.0024	0.046	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.0095	2.32	< 0.0025	< 0.002
	9/28/2022	4.9	60	200	0.98	7.72	470	1100	< 0.003	0.0023	0.044	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.014	2.43	< 0.0025	< 0.002
	12/19/2022	5.1	61	210	1.2	7.8	440	1200	< 0.003	0.002	0.046	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.0098	1.83	< 0.0025	< 0.002
	3/17/2023	5.2	63	200	0.93	7.82	470	1200	< 0.003	0.0022	0.046	< 0.001	< 0.0005	< 0.005	< 0.001	0.00051	0.022	< 0.0002	0.01	1.22	< 0.0025	< 0.002
	6/29/2023	5.4	65	200	0.95	7.55	480	1200	< 0.003	0.0023	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0050	0.022	< 0.00020	0.0088	2.45	< 0.0025	< 0.002
	9/12/2023	4.5	48	220	0.93	7.67	480	1300	< 0.0020	< 0.0020	0.042	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	0.021	< 0.00020	0.0058	1.60	< 0.0050	0.0021

Notes: All units are in mg/l except pH is in standard units and radium is in pCi/L

B - Compound was found in the blank and sample.

H - Sample was prepped or analyzed beyond the specified holding time

NA - Not analyzed. No confirmation resample required.

^ - Instrument related QC is outside acceptance limits.

* - LCS or LCSD is outside acceptance limits.

^1+ or ^+ - Initial or Continuing Calibration Verification limits is outside acceptable limits, high biased.

F1 - MS and/or MSD Recovery outside of limits.

DNYA - Data not yet available.

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Joliet Station #9, Joliet, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
R32S down-gradient	11/19/2015	1.3	99	88	0.28	7.32	210	640	< 0.003	0.0018	0.033	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.16	1.928	< 0.0025	< 0.002
	5/5/2016	1.9	100	140	0.32	7.38	210	810	< 0.003	0.0034	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	0.0005	0.069	< 0.0002	0.29	2.26	< 0.0025	< 0.002
	6/29/2016	2.5	110	110	0.35	7.53	280	860	< 0.003	0.0021	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.065	< 0.0002	0.43	2.12	< 0.0025	< 0.002
	8/26/2016	3.0	120	100	0.4	7.30	330	850	< 0.003	0.0014	0.043	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.0002	0.48	2.39	< 0.0025	< 0.002
	11/18/2016	3.3	120	99	0.34	7.38	270	830	< 0.003	0.0016	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.063	< 0.0002	0.55	3.17	< 0.0025	< 0.002
	2/16/2017	F1 4.0	120	99	0.34	7.39	340	830	< 0.003	0.002	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.064	< 0.0002	0.57	1.76	F1 < 0.0025	< 0.002
	5/25/2017	8.3	240	88	0.42	7.54	320	850	< 0.006	0.0042	0.075	^ < 0.002	< 0.001	< 0.01	< 0.002	< 0.001	0.14	< 0.0002	1.4	1.82	< 0.005	< 0.004
	7/7/2017	6.2	120	96	0.42	7.61	360	830	< 0.003	0.0043	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.1	< 0.0002	0.87	2.08	< 0.0025	< 0.002
	9/28/2017	4.8	140	78	0.36	7.29	290	870	< 0.003	0.003	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.086	< 0.0002	0.57	1.79	< 0.0025	< 0.002
	11/21/2017	5.7	120	97	0.38	7.50	390	900	< 0.003	0.0037	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.74	1.82	< 0.0025	< 0.002
	3/7/2018	5.8	130	86	0.32	7.57	350	880	< 0.003	0.0029	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.67	2.56	< 0.0025	< 0.002
	5/21/2018	4.4	120	77	0.29	7.13	310	1000	NA	0.0024	0.04	NA	NA	NA	< 0.001	< 0.0005	0.1	NA	0.64	2.22	< 0.0025	NA
	12/13/2018	3.5	120	F1 72	0.26	7.43	280	880	NA	0.0019	0.043	NA	NA	NA	< 0.001	0.0017	0.080	NA	0.560	2.23	< 0.0025	NA
	6/27/2019	6.3	140	74	0.27	7.33	380	880	NA	0.0027	0.041	NA	NA	NA	< 0.001	< 0.0005	0.090	NA	0.810	2.67	< 0.0025	NA
	11/6/2019	4.8	150	69	0.27	7.45	360	820	NA	< 0.01	0.039	NA	NA	NA	< 0.001	< 0.0005	0.13	NA	0.580	2.370	< 0.0100	NA
	6/29/2020	6.0	130	71	0.28	7.47	400	790	NA	0.0021	0.038	NA	NA	NA	< 0.001	< 0.0005	0.11	NA	0.64	3.92	< 0.0025	NA
	12/16/2020	6.1	150	F1 66	0.34	7.43	430	840	NA	0.0025	0.038	NA	NA	NA	< 0.001	^+ < 0.0005	0.11	NA	0.75	3.22	F1 < 0.0025	NA
	6/28/2021	B 4.0	130	56	0.30	7.16	430	790	< 3.0	< 0.001	0.036	< 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.071	< 0.0002	0.53	2.10	< 0.0025	< 2.0
	9/30/2021	6.0	160	62	0.31	7.47	520	970	< 0.003	0.0029	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	0.95	2.45	< 0.0025	< 0.002
	12/15/2021	4.9	150	59	0.32	7.42	490	930	< 0.003	0.0016	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.097	< 0.0002	0.75	2.68	< 0.0025	< 0.002
	3/16/2022	4.0	9.6	50	0.31	7.56	430	1100	< 0.003	0.037	0.012	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.51	2.61	< 0.0025	< 0.002
	6/10/2022	5.5	120	54	0.31	7.23	460	880	< 0.003	0.0017	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.089	< 0.0002	0.58	2.96	< 0.0025	< 0.002
	9/26/2022	5.1	130	57	0.30	7.23	450	870	< 0.003	0.0032	0.034	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	0.69	2.27	< 0.0025	< 0.002
	12/16/2022	4.7	130	61	0.51	7.41	400	860	< 0.003	0.0021	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.63	2.06	< 0.0025	< 0.002
	3/23/2023	4.6	130	56	0.29	7.57	390	940	< 0.003	0.0026	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.1	< 0.0002	0.62	1.86	< 0.0025	< 0.002
	6/29/2023	1.4	100	47	0.29	7.07	380	770	< 0.003	0.002	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0050	0.035	< 0.00020	0.092	2.02	< 0.0025	< 0.002
	9/12/2023	2.8	88	50	0.29	7.6	380	790	< 0.0020	< 0.0020	0.030	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	0.074	< 0.00020	0.42	1.97	< 0.0050	< 0.0010
G44S down-gradient	11/20/2015	1.0	120	43	0.21	7.11	220	640	< 0.003	0.0012	0.053	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.1000	1.161	< 0.0025	< 0.002
	5/9/2016	0.91	110	37	0.18	7.39	120	690	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.046	< 0.415	< 0.0025	< 0.002
	6/30/2016	0.69	100	32	0.18	7.59	99	620	< 0.003	< 0.001	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.025	0.879	< 0.0025	< 0.002
	8/26/2016	0.89	120	36	0.19	7.12	110	710	< 0.003	< 0.001	0.053	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.047	0.816	< 0.0025	< 0.002
	11/16/2016	0.82	120	26	0.17	7.15	88	530	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.041	0.475	< 0.0025	< 0.002
	2/16/2017	0.86	120	30	0.15	7.38	120	620	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.044	0.729	< 0.0025	< 0.002
	5/24/2017	0.83	120	31	0.19	7.08	95	600	< 0.003	< 0.001	0.048	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.031	1.02	< 0.0025	< 0.002
	7/10/2017	0.83	110	30	< 0.1	7.00	110	700	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.061	0.667	< 0.0025	< 0.002
	9/28/2017	0.99	130	30	0.19	7.13	100	730	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.081	0.614	< 0.0025	< 0.002
	11/21/2017	0.79	110	35	0.18	7.06	120	640	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.055	0.913	< 0.0025	< 0.002
	3/7/2018	0.91	120	36	0.18	7.19	110	670	< 0.003	0.0014	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.049	1.31	< 0.0025	< 0.002
	5/17/2018	0.98	120	35	0.18	7.02	96	780	NA	< 0.001	0.054	NA	NA	NA	< 0.001	< 0.0005	0.016	NA	0.071	0.714	< 0.0025	NA
	12/10/2018	1.1	120	43	0.19	7.41	78	630	NA	< 0.001	0.057	NA	NA	NA	< 0.001	< 0.0005	0.019	NA	0.14	0.454	< 0.0025	NA
	6/19/2019	1.3	130	59	0.19	7.02	140	720	NA	< 0.001	0.062	NA	NA	NA	< 0.001	< 0.0005	0.023	NA	0.13	0.841	< 0.0025	NA
	11/12/2019	1.3	140	53	0.21	7.22	160	670	NA	< 0.01	0.065	NA	NA	NA	< 0.001	< 0.0005	0.026	NA	0.20	1.01	< 0.01	NA
	6/29/2020	1.4	130	52	0.21	7.30	160	670	NA	< 0.001	0.06	NA	NA	NA	< 0.001	< 0.0005	0.024	NA	0.15	1.860	< 0.0025	NA
	12/15/2020	1.7	140	52	0.25	7.17	180	650	NA	< 0.001	0.062	NA	NA	NA	< 0.001	< 0.0005	0.03	NA	0.28	1.18	< 0.0025	NA
	6/302021	B 1.9	120	65	0.21	7.00	170	730	< 3.0	< 0.001	0.058	^1+ < 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.026	< 0.0002	0.22	1.29	< 0.0025	< 2.0
	9/27/2021	0.39	130	62	0.20	7.30	180	650	< 0.003	< 0.001	0.065	^+ < 0.001	< 0.0005	< 0.0005	< 0.001	< 0.0005	0.0056	< 0.0002	0.29	1.19	< 0.0025	< 0.002
	12/16/2021	1.9	140	62	0.20	7.21	170	690	< 0.003	< 0.001	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.29	1.12	< 0.0025	< 0.002
	3/15/2022	2.1	58	63	0.21	7.24	180	860	< 0.003	0.0025	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.0093	0.98	< 0.0025	< 0.002
	6/9/2022	1.6	130	75	0.20	7.02	160	730	< 0.003	< 0.001	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.17	1.36	< 0.0025	< 0.002
	9/26/2022	1.8	130	69	0.21	7.01	180	810	< 0.003	< 0.001	0.065	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.24	1.6	< 0.0025	< 0.002
	12/21/2022	1.9	130	67	0.49	7.07	180	870	< 0.003	< 0.001	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.29	1.84	< 0.0025	< 0.002
	3/15/2023	1.9	130	66	0.2	7.1	190	720	< 0.003	< 0.001	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.026	< 0.0002	0.26	0.783	< 0.0025	< 0.002
	6/29/2023	1.8	140	64	0.21	7.00	160	680	< 0.003	< 0.010	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0050	0.026	< 0.00020	0.24	1.36	< 0.0025	< 0.002
	9/13/2023	1.7	100	68	0.21	7.01	160	720	< 0.0020	< 0.0020	0.062	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	0.024	< 0.00020	0.21	1.54	< 0.0050	< 0.0010
G46S down-gradient	11/23/2015	6.0	110	80	0.27	7.32	430	780	< 0.003	0.0033	0.064	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.073	< 0.0002	0.5	1.468	< 0.0025	< 0.002
	5/9/2016	7.7	100	100	0.28	7.77	360	940	< 0.003	0.0018	0.099	< 0.001	< 0.0005	< 0.005	< 0.001	0.0005	0.11	< 0.0002	0.7	1.85	< 0.0025	< 0.002
	6/30/2016	7.9	100	99	0.29	8.26	290	880	< 0.003	0.0014	0.098	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.13	< 0.0002	0.71	1.94	< 0.0025	< 0.002
	8/26/2016	7.2	100	120	0.35	7.48	350	1000	< 0.003	0.0027	0.054	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	1.2	1.17	< 0.0025	< 0.002
	11/18/2016	6.5	110	120	0.39	7.56	330	1000	< 0.003	0.0025	0.051	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.13	< 0.0002	1.8	< 0.601	< 0.0025	< 0.002
	2/16/2017	6.1	100	150	0.41	7.94	410	1000	< 0.003	0.0024	0.053	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.091	< 0.0002	1.4	1.07	< 0.0025	< 0.002
	5/22/2017	6.8	100	130	0.44	7.37	350	970	< 0.003	0.0033	B 0.046	^ < 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.11	< 0.0002	1.4	0.683	< 0.0025	< 0.002
	7/6/2017	4.9	100	150	0.41	7.33	290	880	< 0.003	0.0034	0.044	< 0.001	< 0.0005	< 0.005	0.0010	^ < 0.0005	0.076	< 0.0002	0.92	0.709	< 0.0025	^ < 0.002
	9/27/2017	4.9	88	160	0.40	7.28	270	890	< 0.003	0.0043	0.031	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.091	< 0.0002	0.63	0.754	< 0.0025	< 0.002
	11/21/2017	5.3	78	170	0.43	7.73	270	800	< 0.003	0.0055	0.032	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.11	< 0.0002	0.68	0.776	< 0.0025	< 0.002
	3/8/2018	5.9	110	140	0.41	7.75	350	940	< 0.003	0.0039	0.049	< 0.001	< 0.0005	< 0.005	< 0.0010	0.00053	0.093	< 0.0002	0.82	1.29	< 0.0025	< 0.002
	5/18/2018	5.9	110	120	0.40	7.66	260	1100	NA	0.0028	0.048	NA	NA	NA	< 0.0010	< 0.0005	0.073	NA	0.84	1.07	< 0.0025	NA
	12/11/2018	7.60	120	110	0.38	7.66	270	1100	NA	0.0023	0.055	NA	NA	NA	< 0.001	< 0.0005	0.096	NA	1.20	1.22	< 0.0025	NA
	6/19/2019	13	89	69	0.33	7.64	440	1000	NA	0.014	0.040	NA	NA	NA	< 0.001	< 0.0005	0.22	NA	1.80	1.37	< 0.0025	NA
	11/13/2019	10	120	68	0.37	7.68	470	1000	NA	< 0.050	0.041	NA	NA	NA	< 0.001	< 0.0050	0.11	NA	1.60	1.3	< 0.0100	NA
	6/29/2020	13	96	74	0.34	8.06	510	980	NA	0.075	0.05	NA	NA	NA	< 0.001	< 0.0050	0.23	NA	1.7	2.780	< 0.0025	NA
	12/15/2020	10	120	73	0.35	7.74	540	1000	NA	0.27	0.075	NA	NA	NA	< 0.001	< 0.00085	0.21	NA	1.5	2.16	< 0.0025	NA
	6/30/2021	B 15	120	67	0.30	7.40	590	1000	< 3.0	0.044	0.05	^1+ < 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.21	< 0.0002	1.6	2.17	< 0.0025	< 2.0
	9/27/2021	0.24	130	66	0.25	7.80	560	1000	< 0.003	0.046	0.043	^+ < 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.0042	< 0.0002	1.6	1.54	< 0.0025	< 0.002
	12/15/2021	11	140	66	0.27	7.53	500	990	< 0.003	0.18	0.067	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.16	< 0.0002	1.4	2.61	< 0.0025	< 0.002
	3/11/2022	12	130	54	0.34	7.38	600	1200	< 0.003	0.17	0.069	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.13	< 0.0002	1.6	3.65	< 0.0025	< 0.002
	6/9/2022	11	110	68	0.26	7.36	460	930	< 0.003	0.017	0.042	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.18	< 0.0002	1.2	1.72	< 0.0025	< 0.002
	9/26/2022	11	120	63	0.31	7.31	580	1000	< 0.003	0.11	0.057	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.19	< 0.0002	1.7	2.59	< 0.0025	< 0.002
	12/20/2022	13	140	51	F1 0.58	7.68	670	1200	< 0.003	0.12	0.065	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.17	< 0.0002	1.9	4.78	< 0.0025	< 0.002
	3/22/2023	10	130	72	0.31	7.7	500	1100	< 0.003	0.056	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.2	< 0.0002	1.5	2.57	< 0.0025	< 0.002
	6/29/2023	8.6	140	69	0.23	7.5	440	890	< 0.003	0.044	0.056	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0050	0.17	< 0.00020	1	2.55	< 0.0025	< 0.002
	9/13/2023	7.5	100	72	0.24	7.48	460	920	< 0.0020	0.11	0.059	< 0.0010	< 0.00020	< 0.0050	0.0012	< 0.00050	0.17	< 0.00020	1.1	3.85	< 0.0050	< 0.0010
G47S down-gradient	11/23/2015	4.6	11	160	0.45	9.22	480	700	< 0.003	0.018	0.018	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	0.32	0.898	0.003	< 0.002
	5/6/2016	5.0	7.8	140	0.72	9.86	410	910	< 0.003	0.034	0.017	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.033	< 0.0002	0.41	0.736	0.0033	< 0.002
	7/1/2016	6.4	8.4	150	0.68	9.32	340	860	< 0.003	0.022	0.019	< 0.001	^ < 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	0.53	1.01	< 0.0025	< 0.002
	8/24/2016	9.3	9.2	140	0.67	9.19	300	830	< 0.003	0.017	0.023	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.41	1.06	< 0.0025	< 0.002
	11/16/2016	15	1.3	F1 150	1.8	10.08	620	1700	< 0.003	0.14	0.0091	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	1.4	< 1.38	0.0038	< 0.002
	2/15/2017	7.6	4.4	160	1.1	9.26	540	1200	< 0.003	0.059	0.016	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.05	< 0.0002	0.57	0.716	0.0035	< 0.002
	5/23/2017	18	0.93	160	2.2	10.03	720	1800	< 0.003	0.18	0.0081	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	1.3	< 0.361	0.0025	< 0.002
	7/10/2017	18	1.2	150	2.1	10.06	780	1800	< 0.003	0.17	0.0085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	1.2	0.733	< 0.0025	< 0.002
	9/27/2017	18	1.1	150	2.0	10.15	750	1900	< 0.003	0.21	0.0085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	1.3	0.836	0.0027	< 0.002
	11/22/2017	21	1.1	150	2.1	10.56	710	1800	< 0.003	0.23	0.009	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	1.5	0.692	0.0044	< 0.002
	3/8/2018	18	1.1	170	2.1	10.67	780	1900	< 0.003	0.25	0.009	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	1.4	0.790	0.0042	< 0.002
	5/18/2018	3.7	1.1	160	1.7	7.79	570	1800	NA	0.23	0.0087	NA	NA	NA	< 0.001	< 0.0005	0.015	NA	1.5	1.01	0.0039	NA
	12/11/2018	13	2.8	140	1.1	10.14	440	1300	NA	0.140	0.0110	NA	NA	NA	< 0.001	< 0.0005	0.023	NA	1.10	0.597	0.0031	NA
	6/28/2019	13	2.9	130	1.3	9.95	450	1400	NA	0.13	0.0120	NA	NA	NA	< 0.001	< 0.0005	0.028	NA	1.00	0.566	< 0.0025	NA
	11/7/2019	4.3	15	140	0.55	8.39	410	1100	NA	0.029	0.0170	NA	NA	NA	< 0.001	< 0.0050	0.053	NA	0.38	1.02	< 0.0100	NA
	6/30/2020	5.2	16	120	0.59	9.04	F1 440	1000	NA	0.037	0.015	NA	NA	NA	< 0.001	< 0.0050	0.052	NA	0.46	1.240	0.004	NA
	12/7/2020	7.6	11	120	1.1	9.13	500	1100	NA	0.066	0.012	NA	NA	NA	< 0.001	< 0.0005	0.047	NA	0.62	< 0.466	< 0.003	NA
	6/24/2021	B 6.1	12	110	0.66	8.68	470	1000	< 0.003	0.04	0.013	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.05	H < 0.0002	0.48	0.871	0.0027	< 0.002
	9/22/2021	6.5	11	100	0.62	8.83	440	910	< 0.003	0.041	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.053	< 0.0002	0.52	0.764	0.0030	< 0.002
	12/16/2021	6.7	11	98	0.65	8.63	440	900	< 0.003	0.039	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.046	< 0.0002	0.54	1.16	0.0031	< 0.002
	3/16/2022	6.9	40	96	0.66	8.94	450	1200	< 0.003	0.0074	0.021	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.48	2.12	< 0.0025	< 0.002
	6/9/2022	7.3	9.2	96	0.63	8.39	460	1000	< 0.003	0.038	0.013	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.53	0.76	0.0028	< 0.002
	9/22/2022	10	5.8	100	0.9	9.85	510	1100	< 0.003	0.064	0.011	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.71	0.903	< 0.0025	< 0.002
	12/21/2022	7	7.9	100	F1 1.1	9.5	450	1100	< 0.003	0.036	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.59	0.864	0.0028	< 0.002
	3/23/2023	6.7	11	100	0.65	9.22	440	1100	< 0.003	0.039	0.013	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.049	< 0.0002	0.52	0.984	0.0025	< 0.002
	6/30/2023	7.7	12	96	0.64	8.3	470	970	< 0.003	0.038	0.012	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.052	0.00058	0.55	1.26	0.0033	< 0.002
	9/7/2023	6.1	9.4	F1 100	0.64	7.77	450	1000	< 0.0080	0.033	0.011	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	0.039	< 0.00020	0.50	1.07	< 0.0050	< 0.0040
G48S down-gradient	11/20/2015	11.0	6.9	120	1.5	9.08	760	1100	< 0.003	0.03	0.015	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	1.4	0.8512	< 0.0025	< 0.002
	5/5/2016	9.3	5.9	120	1.5	9.53	560	1200	< 0.003	0.046	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	1.2	0.800	< 0.0025	< 0.002
	7/1/2016	9.5	4.2	120	1.4	9.60	480	1100	< 0.003	0.038	0.011	< 0.001	^ < 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	1.2	1.01	< 0.0025	< 0.002
	8/24/2016	10.0	5.5	120	1.4	9.31	420	1100	< 0.003	0.032	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	1.1	1.16	< 0.0025	< 0.002
	11/16/2016	9.8	10	110	1.4	9.61	340	1100	< 0.003	0.03	0.018	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	1.1	1.65	< 0.0025	< 0.002
	2/15/2017	8.4	8.3	120	1.2	9.63	490	1100	< 0.003	0.038	0.015	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.79	0.824	< 0.0025	< 0.002
	5/23/2017	9.2	8.1	120	1.3	9.49	470	1100	< 0.003	0.03	0.014	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.95	0.661	< 0.0025	< 0.002
	7/10/2017	7.8	11	110	1.2	8.77	460	1000	< 0.003	0.022	0.017	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.84	1.39	< 0.0025	< 0.002
	9/27/2017	7.6	18	100	1.1	8.94	480	1100	< 0.003	0.024	0.019	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.72	1.32	< 0.0025	< 0.002
	11/22/2017	8.6	12	120	1.2	9.42	450	1000	< 0.003	0.027	0.015	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.77	1.27	< 0.0025	< 0.002
	3/8/2018	5.3	62	100	0.85	8.13	450	1000	< 0.003	0.017	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.51	2.30	< 0.0025	< 0.002
	5/18/2018	5.9	53	100	0.92	7.79	370	1100	NA	0.022	0.023	NA	NA	NA	< 0.001	< 0.0005	0.023	NA	0.49	0.962	< 0.0025	NA
	12/11/2018	7.3	23	110	1.1	8.42	310	1000	NA	0.023	0.016	NA	NA	NA	< 0.001	0.0049	0.019	NA	0.79	0.921	< 0.0025	NA
	6/25/2019	7.1	28	110	1.0	8.07	390	1000	NA	0.022	0.018	NA	NA	NA	< 0.001	< 0.0005	0.022	NA	0.73	1.33	< 0.0025	NA
	11/7/2019	5.8	18	100	0.89	7.83	380	1000	NA	0.012	0.027	NA	NA	NA	< 0.001	< 0.005	0.019	NA	0.59	1.24	< 0.01	NA
	6/26/2020	7.1	16	110	1.0	9.20	400	940	NA	0.022	0.017	NA	NA	NA	< 0.001	< 0.005	0.021	NA	0.54	0.971	< 0.0025	NA
	12/7/2020	6.0	29	110	1.1	8.4	410	890	NA	0.016	0.02	NA	NA	NA	< 0.001	< 0.0005	0.026	NA	0.41	2.00	< 0.0025	NA
	6/24/2021	B 4.3	96	96	0.71	7.27	480	1100	< 0.003	0.0026	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.032	H < 0.0002	0.26	3.89	< 0.0025	< 0.002
	9/22/2021	5.4	45	100	0.74	7.68	440	1000	< 0.003	0.0061	0.027	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.0002	0.46	2.15	< 0.0025	< 0.002
	12/16/2021	6.0	46	99	0.91	7.02	430	880	< 0.003	0.0076	0.023	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.52	1.87	< 0.0025	< 0.002
	3/16/2022	5.8	130	99	0.96	7.87	430	1100	< 0.003	< 0.001	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.27	2.56	< 0.0025	< 0.002
	6/9/2022	5.6	58	98	0.87	7.47	440	1000	< 0.003	0.0084	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.38	1.36	< 0.0025	< 0.002
	9/22/2022	6.8	34	98	0.97	8.14	430	950	< 0.003	0.011	0.019	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.43	2.51	< 0.0025	< 0.002
	12/21/2022	6.4	28	100	1.3	8.66	410	1100	< 0.003	0.014	0.018	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.43	1.12	< 0.0025	< 0.002
	3/23/2023	6	24	100	0.96	8.68	370	1000	< 0.003	0.016	0.017	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.37	1.25	< 0.0025	< 0.002
	6/30/2023	6.4	39	91	0.89	8.03	380	850	< 0.003	0.011	0.021	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.00020	0.32	< 0.711	< 0.0025	< 0.002
	9/7/2023	5.1	25	100	0.93	7.75	390	940	< 0.0020	0.010	0.016	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	0.019	< 0.00020	0.32	0.839	< 0.0050	< 0.0040

Notes: All units are in mg/l except pH is in standard units and radium is in pCi/L
B - Compound was found in the blank and sample.
H - Sample was prepped or analyzed beyond the specified holding time
NA - Not analyzed. No confirmation resample required.
^ - Instrument related QC is outside acceptance limits.
* - LCS or LCSD is outside acceptance limits.
^1+ or ^+ - Initial or Continuing Calibration Verification limits is outside acceptable limits, high biased.
F1 - MS and/or MSD Recovery outside of limits.
DNYA - Data not yet available.

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Joliet #9 Generating Station

Well ID	Date	Turbidity (NTU)
G45S	3/12/2021	0.87
	4/5/2021	0.33
	4/23/2021	0.54
	5/18/2021	0.36
	6/8/2021	0.64
	7/2/2021	1.4
	8/12/2021	0.36
	9/2/2021	0.46
	12/16/2021	0.89
	3/16/2022	0.98
	6/10/2022	0.03
	9/26/2022	0.29
	12/21/2022	2.04
	3/23/2023	1.13
	6/30/2023	0.42
	9/14/2023	0.97
T03S	3/15/2021	2.42
	4/1/2021	0.44
	4/22/2021	94
	5/17/2021	0.47
	6/7/2021	0.47
	7/1/2021	0.3
	8/12/2021	0.34
	9/1/2021	0.67
	12/9/2021	0.56
	3/14/2022	0.65
	6/13/2022	-0.1
	9/29/2022	0.53
	12/21/2022	2.03
	3/20/2023	1.19
	6/30/2023	0.39
	9/13/2023	0.22
R08S	3/12/2021	0.19
	4/1/2021	0.46
	4/23/2021	0.34
	5/18/2021	0.24
	6/8/2021	0.2
	7/1/2021	0.17
	8/12/2021	0.58
	9/2/2021	0.42
	12/14/2021	0.57
	3/11/2022	0.52
	6/7/2022	0.23
	9/19/2022	0.36
	12/19/2022	1.01
	3/22/2023	1.41
	6/28/2023	0.34
	9/7/2023	0.15
G20S	3/12/2021	0.32
	4/1/2021	0.29
	4/22/2021	0.14
	5/18/2021	0.63
	6/8/2021	0.2
	7/1/2021	0.29
	8/12/2021	0.32
	9/2/2021	0.48
	12/10/2021	1.28
	3/15/2022	0.46
	6/7/2022	0.5
	9/19/2022	2.47
	12/19/2022	2.61
	3/14/2023	0.39
	6/28/2023	0.25
	9/6/2023	1.17
G30S	3/12/2021	0.05
	4/2/2021	0.14
	4/23/2021	0.25
	5/18/2021	0.43
	6/8/2021	0.61
	7/2/2021	0.48
	8/13/2021	0.31
	9/2/2021	0.48
	12/15/2021	0.09
	3/15/2022	0.45
	6/10/2022	0.16
	9/28/2022	0.61
	12/19/2022	1.04
	3/17/2023	2.43
	6/29/2023	0.74
	9/12/2023	0.71

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Joliet #9 Generating Station

Well ID	Date	Turbidity (NTU)
R32S	3/12/2021	0.42
	4/5/2021	0.81
	4/23/2021	1.23
	5/18/2021	1.78
	6/8/2021	1.14
	7/2/2021	0.42
	8/13/2021	0.57
	9/30/2021	0.39
	12/15/2021	0.84
	3/16/2022	1.31
	6/10/2022	-0.1
	9/26/2022	0.66
	12/16/2022	1.53
	3/23/2023	1.59
	6/29/2023	0.74
	9/12/2023	0.52
G44S	3/15/2021	3.66
	4/5/2021	3.89
	4/23/2021	3.31
	5/18/2021	1.41
	6/8/2021	1.42
	7/2/2021	1.37
	8/12/2021	1.56
	9/2/2021	1.38
	12/16/2021	1.29
	3/15/2022	1.09
	6/9/2022	0.78
	9/26/2022	0.86
	12/21.2022	11.7
	3/15/2023	1.13
	6/29/2023	3.04
	9/13/2023	0.93
G46S	3/15/2021	18.4
	4/5/2021	106.5
	4/23/2021	59.2
	5/18/2021	181
	6/8/2021	3140
	7/1/2021	11.6
	8/12/2021	112
	9/2/2021	43.3
	12/15/2021	73.1
	3/11/2022	99.3
	6/9/2022	6.63
	9/26/2022	34.4
	12/20/2022	77.9
	3/22/2023	88.61
	6/29/2023	32.30
	9/13/2023	113
G47S	3/15/2021	0.12
	4/5/2021	0.1
	4/22/2021	0.16
	5/18/2021	0.14
	6/8/2021	0.53
	7/1/2021	0.3
	8/13/2021	0.18
	9/2/2021	0.68
	12/16/2021	0.59
	3/16/2022	0.26
	6/9/2022	-0.11
	9/26/2022	0.35
	12/21/2022	0.76
	3/23/2023	1.12
	6/30/2023	0.76
	9/7/2023	0.18
G48S	3/15/2021	0.47
	4/5/2021	0.14
	4/22/2021	0.22
	5/18/2021	0.44
	6/8/2021	0.24
	7/1/2021	0.91
	8/13/2021	0.23
	9/2/2021	0.63
	12/16/2021	0.62
	3/16/2022	0.31
	6/9/2022	0.22
	9/26/2022	0.96
	12/21/2022	3.73
	3/23/2023	3.13
	6/30/2023	1.87
	9/7/2023	1.56

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ANALYTICAL REPORT

PREPARED FOR

Attn: John Niedzwiecki
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

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JOB DESCRIPTION

Joliet #9 (Quarry) CCR 3Q23

JOB NUMBER

500-239151-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

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.

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Authorization

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Revision 1

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Job ID: 500-239151-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-239151-1

Receipt
The samples were received on 9/6/2023 3:13 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 1.8º C, 2.1º C, 2.7º C, 3.5º C, 3.7º C, 3.8º C, 4.6º C, 5.2º C and 5.2º C.

Metals
Method 6020B: The following samples were diluted due to the nature of the sample matrix: T11S (500-239151-22) and G39S (500-239151-24). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-732370 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-732578 were outside control limits for Chloride. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-733424 were outside control limits for one or more analytes. The associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-733424 were outside control limits for one or more analytes. The associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 F C: The matrix spike (MS) recoveries for analytical batch 500-736942 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 4500 Cl- E: The original reported result for this sample was investigated upon client request. The sample was originally ran and the data was rejected inadvertently by the analyst. It is believed the analyst used a different sample in the reanalysis. The original analysis was within historical range. The data review confirmed the original data which has been reported.

G20S (500-239151-1)

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
Field Sampling	Field Sampling	EPA	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF

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 CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

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

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-239151-1	G20S	Water	09/06/23 09:48	09/06/23 15:13
500-239151-2	G31S	Water	09/06/23 13:48	09/06/23 15:13
500-239151-3	G48S	Water	09/07/23 09:38	09/07/23 14:29
500-239151-4	G47S	Water	09/07/23 11:03	09/07/23 14:29
500-239151-5	R08S	Water	09/07/23 12:55	09/07/23 14:29
500-239151-6	G30S	Water	09/12/23 10:03	09/12/23 15:37
500-239151-7	R32S	Water	09/12/23 11:37	09/12/23 15:37
500-239151-8	T12S	Water	09/12/23 12:57	09/12/23 15:37
500-239151-9	G33S	Water	09/12/23 13:51	09/12/23 15:37
500-239151-10	G46S	Water	09/13/23 09:44	09/13/23 15:10
500-239151-11	G38S	Water	09/13/23 10:48	09/13/23 15:10
500-239151-12	T03S	Water	09/13/23 11:45	09/13/23 15:10
500-239151-13	G44S	Water	09/13/23 13:52	09/13/23 15:10
500-239151-14	G45S	Water	09/14/23 14:10	09/14/23 15:25
500-239151-15	T09S	Water	09/19/23 11:28	09/19/23 15:38
500-239151-16	T06S	Water	09/19/23 13:28	09/19/23 15:38
500-239151-17	T13S	Water	09/26/23 11:25	09/26/23 14:40
500-239151-18	T13S Dup	Water	09/26/23 11:25	09/26/23 14:40
500-239151-19	T02S	Water	09/27/23 10:47	09/27/23 16:00
500-239151-20	T08S	Water	09/27/23 12:24	09/27/23 16:00
500-239151-21	T05S	Water	09/27/23 14:03	09/27/23 16:00
500-239151-22	T11S	Water	09/28/23 09:38	09/28/23 14:40
500-239151-23	T01S	Water	09/28/23 11:27	09/28/23 14:40
500-239151-24	G39S	Water	09/28/23 13:23	09/28/23 14:40

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G20S

Date Collected: 09/06/23 09:48
Date Received: 09/06/23 15:13

Lab Sample ID: 500-239151-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/12/23 09:40	09/22/23 13:35	1
Arsenic	<0.0020		0.0020		mg/L		09/12/23 09:40	09/21/23 17:46	1
Barium	**0.043**		0.0020		mg/L		09/12/23 09:40	09/22/23 13:35	1
Beryllium	<0.0010		0.0010		mg/L		09/12/23 09:40	09/21/23 17:46	1
Boron	**1.2**		0.10		mg/L		09/12/23 09:40	09/25/23 14:36	1
Cadmium	<0.00020		0.00020		mg/L		09/12/23 09:40	09/21/23 17:46	1
Calcium	**57**		0.50		mg/L		09/12/23 09:40	09/22/23 13:35	1
Chromium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 17:46	1
Cobalt	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 17:46	1
Lead	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 17:46	1
Lithium	**0.033**		0.010		mg/L		09/12/23 09:40	09/21/23 17:46	1
Molybdenum	**0.012**		0.0020		mg/L		09/12/23 09:40	09/21/23 17:46	1
Selenium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 17:46	1
Thallium	<0.0010		0.0010		mg/L		09/12/23 09:40	09/25/23 14:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/23 11:54	09/13/23 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**400**		10		mg/L			09/06/23 20:55	1
Chloride (SM 4500 Cl- E)	**18**		2.0		mg/L			09/14/23 15:34	1
Fluoride (SM 4500 F C)	**0.77**		0.10		mg/L			09/18/23 13:02	1
Sulfate (SM 4500 SO4 E)	**62**		10		mg/L			09/20/23 15:37	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**55.57**				ft			09/06/23 09:48	1
Depth to Water (ft from MP)	**58.35**				ft			09/06/23 09:48	1
Elevation of well (ft from MP)	**580.87**				ft			09/06/23 09:48	1
Field pH	**7.47**				SU			09/06/23 09:48	1
Field Temperature	**77.0**				Degrees F			09/06/23 09:48	1
Ground Water Elevation	**522.52**				ft			09/06/23 09:48	1
Specific Conductance	**705**				umhos/cm			09/06/23 09:48	1
Well bottom elevation	**442.28**				ft			09/06/23 09:48	1
Field Turbidity	**1.17**				NTU			09/06/23 09:48	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G31S

Date Collected: 09/06/23 13:48
Date Received: 09/06/23 15:13

Lab Sample ID: 500-239151-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/12/23 09:40	09/22/23 13:39	1
Arsenic	**0.0025**		0.0020		mg/L		09/12/23 09:40	09/21/23 17:50	1
Barium	**0.043**		0.0020		mg/L		09/12/23 09:40	09/22/23 13:39	1
Beryllium	<0.0010		0.0010		mg/L		09/12/23 09:40	09/21/23 17:50	1
Boron	**2.8**		0.10		mg/L		09/12/23 09:40	09/25/23 14:39	1
Cadmium	<0.00020		0.00020		mg/L		09/12/23 09:40	09/21/23 17:50	1
Calcium	**140**		0.50		mg/L		09/12/23 09:40	09/22/23 13:39	1
Chromium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 17:50	1
Cobalt	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 17:50	1
Lead	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 17:50	1
Lithium	**0.061**		0.010		mg/L		09/12/23 09:40	09/21/23 17:50	1
Molybdenum	**0.49**		0.0020		mg/L		09/12/23 09:40	09/21/23 17:50	1
Selenium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 17:50	1
Thallium	<0.0010		0.0010		mg/L		09/12/23 09:40	09/25/23 14:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/23 11:54	09/13/23 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1200**		10		mg/L			09/06/23 21:02	1
Chloride (SM 4500 Cl- E)	**190**	**F1**	20		mg/L			09/14/23 15:16	10
Fluoride (SM 4500 F C)	**0.25**		0.10		mg/L			09/18/23 13:06	1
Sulfate (SM 4500 SO4 E)	**410**		100		mg/L			09/20/23 15:36	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**26.39**				ft			09/06/23 13:48	1
Depth to Water (ft from MP)	**28.97**				ft			09/06/23 13:48	1
Elevation of well (ft from MP)	**535.73**				ft			09/06/23 13:48	1
Field pH	**7.42**				SU			09/06/23 13:48	1
Field Temperature	**61.5**				Degrees F			09/06/23 13:48	1
Ground Water Elevation	**506.76**				ft			09/06/23 13:48	1
Specific Conductance	**1750**				umhos/cm			09/06/23 13:48	1
Well bottom elevation	**453.36**				ft			09/06/23 13:48	1
Field Turbidity	**0.65**				NTU			09/06/23 13:48	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G48S

Date Collected: 09/07/23 09:38
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/12/23 09:40	09/22/23 13:42	1
Arsenic	**0.0097**		0.0020		mg/L		09/12/23 09:40	09/21/23 17:54	1
Barium	**0.016**		0.0020		mg/L		09/12/23 09:40	09/22/23 13:42	1
Beryllium	<0.0010		0.0010		mg/L		09/12/23 09:40	09/21/23 17:54	1
Boron	**5.1**		0.40		mg/L		09/12/23 09:40	09/25/23 14:41	4
Cadmium	<0.00020		0.00020		mg/L		09/12/23 09:40	09/21/23 17:54	1
Calcium	**25**		0.50		mg/L		09/12/23 09:40	09/22/23 13:42	1
Chromium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 17:54	1
Cobalt	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 17:54	1
Lead	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 17:54	1
Lithium	**0.019**		0.010		mg/L		09/12/23 09:40	09/21/23 17:54	1
Molybdenum	**0.32**		0.0020		mg/L		09/12/23 09:40	09/21/23 17:54	1
Selenium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 17:54	1
Thallium	<0.0040		0.0040		mg/L		09/12/23 09:40	09/25/23 14:41	4

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/23 11:54	09/13/23 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**940**		10		mg/L			09/07/23 21:13	1
Chloride (SM 4500 Cl- E)	**100**		10		mg/L			09/15/23 15:09	5
Fluoride (SM 4500 F C)	**0.93**		0.10		mg/L			09/18/23 13:11	1
Sulfate (SM 4500 SO4 E)	**390**		50		mg/L			09/20/23 15:39	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**100.80**				ft			09/07/23 09:38	1
Depth to Water (ft from MP)	**103.25**				ft			09/07/23 09:38	1
Elevation of well (ft from MP)	**620.77**				ft			09/07/23 09:38	1
Field pH	**7.75**				SU			09/07/23 09:38	1
Field Temperature	**59.9**				Degrees F			09/07/23 09:38	1
Ground Water Elevation	**517.52**				ft			09/07/23 09:38	1
Specific Conductance	**1450**				umhos/cm			09/07/23 09:38	1
Well bottom elevation	**468.32**				ft			09/07/23 09:38	1
Field Turbidity	**1.56**				NTU			09/07/23 09:38	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G47S

Date Collected: 09/07/23 11:03
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0080		0.0080		mg/L		09/12/23 09:40	09/22/23 13:45	4
Arsenic	**0.033**		0.0020		mg/L		09/12/23 09:40	09/21/23 17:57	1
Barium	**0.011**		0.0080		mg/L		09/12/23 09:40	09/22/23 13:45	4
Beryllium	<0.0010		0.0010		mg/L		09/12/23 09:40	09/21/23 17:57	1
Boron	**6.1**		0.40		mg/L		09/12/23 09:40	09/25/23 14:43	4
Cadmium	<0.00020		0.00020		mg/L		09/12/23 09:40	09/21/23 17:57	1
Calcium	**9.4**		2.0		mg/L		09/12/23 09:40	09/22/23 13:45	4
Chromium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 17:57	1
Cobalt	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 17:57	1
Lead	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 17:57	1
Lithium	**0.039**		0.010		mg/L		09/12/23 09:40	09/21/23 17:57	1
Molybdenum	**0.50**		0.0020		mg/L		09/12/23 09:40	09/21/23 17:57	1
Selenium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 17:57	1
Thallium	<0.0040		0.0040		mg/L		09/12/23 09:40	09/25/23 14:43	4

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/23 11:54	09/13/23 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1000**		10		mg/L			09/07/23 21:16	1
Chloride (SM 4500 Cl- E)	**100**	**F1**	10		mg/L			09/15/23 15:09	5
Fluoride (SM 4500 F C)	**0.64**		0.10		mg/L			09/18/23 13:15	1
Sulfate (SM 4500 SO4 E)	**450**		50		mg/L			09/20/23 15:39	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**92.76**				ft			09/07/23 11:03	1
Depth to Water (ft from MP)	**95.26**				ft			09/07/23 11:03	1
Elevation of well (ft from MP)	**612.23**				ft			09/07/23 11:03	1
Field pH	**7.77**				SU			09/07/23 11:03	1
Field Temperature	**58.3**				Degrees F			09/07/23 11:03	1
Ground Water Elevation	**516.97**				ft			09/07/23 11:03	1
Specific Conductance	**1590**				umhos/cm			09/07/23 11:03	1
Well bottom elevation	**459.84**				ft			09/07/23 11:03	1
Field Turbidity	**0.18**				NTU			09/07/23 11:03	1

Client Sample ID: R08S

Date Collected: 09/07/23 12:55
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0080		0.0080		mg/L		09/12/23 09:40	09/22/23 13:49	4
Arsenic	<0.0020		0.0020		mg/L		09/12/23 09:40	09/21/23 18:01	1
Barium	**0.036**		0.0080		mg/L		09/12/23 09:40	09/22/23 13:49	4
Beryllium	<0.0010		0.0010		mg/L		09/12/23 09:40	09/21/23 18:01	1
Boron	**7.0**		0.40		mg/L		09/12/23 09:40	09/25/23 14:45	4
Cadmium	<0.00020		0.00020		mg/L		09/12/23 09:40	09/21/23 18:01	1
Calcium	**130**		2.0		mg/L		09/12/23 09:40	09/22/23 13:49	4
Chromium	<0.0050		0.0050		mg/L		09/12/23 09:40	09/21/23 18:01	1
Cobalt	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 18:01	1
Lead	<0.00050		0.00050		mg/L		09/12/23 09:40	09/21/23 18:01	1
Lithium	**0.13**		0.010		mg/L		09/12/23 09:40	09/21/23 18:01	1
Molybdenum	**0.34**		0.0020		mg/L		09/12/23 09:40	09/21/23 18:01	1
Selenium	**0.0062**		0.0050		mg/L		09/12/23 09:40	09/21/23 18:01	1
Thallium	<0.0040		0.0040		mg/L		09/12/23 09:40	09/25/23 14:45	4

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/23 11:54	09/13/23 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**760**		10		mg/L			09/07/23 21:19	1
Chloride (SM 4500 Cl- E)	**81**		4.0		mg/L			09/15/23 15:09	2
Fluoride (SM 4500 F C)	**0.13**		0.10		mg/L			09/18/23 13:20	1
Sulfate (SM 4500 SO4 E)	**410**		50		mg/L			09/20/23 15:37	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**67.30**				ft			09/07/23 12:55	1
Depth to Water (ft from MP)	**69.85**				ft			09/07/23 12:55	1
Elevation of well (ft from MP)	**578.66**				ft			09/07/23 12:55	1
Field pH	**8.05**				SU			09/07/23 12:55	1
Field Temperature	**57.7**				Degrees F			09/07/23 12:55	1
Ground Water Elevation	**508.81**				ft			09/07/23 12:55	1
Specific Conductance	**1044**				umhos/cm			09/07/23 12:55	1
Well bottom elevation	**453.08**				ft			09/07/23 12:55	1
Field Turbidity	**0.15**				NTU			09/07/23 12:55	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G30S

Date Collected: 09/12/23 10:03
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:05	1
Arsenic	<0.0020		0.0020		mg/L		09/18/23 10:00	09/29/23 18:19	1
Barium	**0.042**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:19	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 18:19	1
Boron	**4.5**		0.10		mg/L		09/18/23 10:00	09/30/23 17:05	1
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 18:19	1
Calcium	**48**		0.50		mg/L		09/18/23 10:00	09/29/23 18:19	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:19	1
Cobalt	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:19	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:19	1
Lithium	**0.021**		0.010		mg/L		09/18/23 10:00	09/30/23 17:05	1
Molybdenum	**0.0058**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:05	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:19	1
Thallium	**0.0021**		0.0010		mg/L		09/18/23 10:00	09/30/23 17:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1300**		10		mg/L			09/12/23 20:30	1
Chloride (SM 4500 Cl- E)	**220**		10		mg/L			09/15/23 15:10	5
Fluoride (SM 4500 F C)	**0.93**		0.10		mg/L			09/18/23 13:25	1
Sulfate (SM 4500 SO4 E)	**480**		50		mg/L			09/20/23 15:37	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**-0.25**				ft			09/12/23 10:03	1
Depth to Water (ft from MP)	**2.06**				ft			09/12/23 10:03	1
Elevation of well (ft from MP)	**524.86**				ft			09/12/23 10:03	1
Field pH	**7.67**				SU			09/12/23 10:03	1
Field Temperature	**57.9**				Degrees F			09/12/23 10:03	1
Ground Water Elevation	**522.80**				ft			09/12/23 10:03	1
Specific Conductance	**1930**				umhos/cm			09/12/23 10:03	1
Well bottom elevation	**462.58**				ft			09/12/23 10:03	1
Field Turbidity	**0.71**				NTU			09/12/23 10:03	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: R32S

Date Collected: 09/12/23 11:37
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:08	1
Arsenic	<0.0020		0.0020		mg/L		09/18/23 10:00	09/29/23 18:23	1
Barium	**0.030**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:23	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 18:23	1
Boron	**2.8**		0.10		mg/L		09/18/23 10:00	09/30/23 17:08	1
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 18:23	1
Calcium	**88**		0.50		mg/L		09/18/23 10:00	09/29/23 18:23	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:23	1
Cobalt	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:23	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:23	1
Lithium	**0.074**		0.010		mg/L		09/18/23 10:00	09/30/23 17:08	1
Molybdenum	**0.42**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:08	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:23	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**790**		10		mg/L			09/13/23 21:39	1
Chloride (SM 4500 Cl- E)	**50**		4.0		mg/L			09/15/23 15:09	2
Fluoride (SM 4500 F C)	**0.29**		0.10		mg/L			09/18/23 13:29	1
Sulfate (SM 4500 SO4 E)	**380**		100		mg/L			09/20/23 15:34	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**20.31**				ft			09/12/23 11:37	1
Depth to Water (ft from MP)	**22.34**				ft			09/12/23 11:37	1
Elevation of well (ft from MP)	**536.97**				ft			09/12/23 11:37	1
Field pH	**7.60**				SU			09/12/23 11:37	1
Field Temperature	**54.7**				Degrees F			09/12/23 11:37	1
Ground Water Elevation	**514.63**				ft			09/12/23 11:37	1
Specific Conductance	**921**				umhos/cm			09/12/23 11:37	1
Well bottom elevation	**457.84**				ft			09/12/23 11:37	1
Field Turbidity	**0.52**				NTU			09/12/23 11:37	1

Client Sample ID: T12S

Date Collected: 09/12/23 12:57
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:10	1
Arsenic	**0.0047**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:26	1
Barium	**0.057**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:26	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 18:26	1
Boron	**6.4**		0.40		mg/L		09/18/23 10:00	10/02/23 12:31	4
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 18:26	1
Calcium	**100**		0.50		mg/L		09/18/23 10:00	09/29/23 18:26	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:26	1
Cobalt	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:26	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:26	1
Lithium	**0.15**		0.010		mg/L		09/18/23 10:00	09/30/23 17:10	1
Molybdenum	**0.67**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:10	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:26	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**810**		10		mg/L			09/13/23 21:46	1
Chloride (SM 4500 Cl- E)	**80**		4.0		mg/L			09/15/23 15:10	2
Fluoride (SM 4500 F C)	**0.19**		0.10		mg/L			09/18/23 13:34	1
Sulfate (SM 4500 SO4 E)	**350**		100		mg/L			09/20/23 15:35	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**70.65**				ft			09/12/23 12:57	1
Depth to Water (ft from MP)	**73.39**				ft			09/12/23 12:57	1
Elevation of well (ft from MP)	**578.74**				ft			09/12/23 12:57	1
Field pH	**7.46**				SU			09/12/23 12:57	1
Field Temperature	**57.0**				Degrees F			09/12/23 12:57	1
Ground Water Elevation	**505.35**				ft			09/12/23 12:57	1
Specific Conductance	**1166**				umhos/cm			09/12/23 12:57	1
Well bottom elevation	**452.24**				ft			09/12/23 12:57	1
Field Turbidity	**3.27**				NTU			09/12/23 12:57	1

Client Sample ID: G33S

Date Collected: 09/12/23 13:51
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:26	1
Arsenic	**0.0020**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:29	1
Barium	**0.079**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:29	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 18:29	1
Boron	**0.88**		0.10		mg/L		09/18/23 10:00	09/30/23 17:26	1
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 18:29	1
Calcium	**53**		0.50		mg/L		09/18/23 10:00	09/29/23 18:29	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:29	1
Cobalt	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:29	1
Lead	**0.0070**		0.00050		mg/L		09/18/23 10:00	09/29/23 18:29	1
Lithium	**0.033**		0.010		mg/L		09/18/23 10:00	09/30/23 17:26	1
Molybdenum	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:26	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:29	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**430**		10		mg/L			09/13/23 21:52	1
Chloride (SM 4500 Cl- E)	**15**		2.0		mg/L			09/15/23 15:56	1
Fluoride (SM 4500 F C)	**0.61**		0.10		mg/L			09/18/23 13:49	1
Sulfate (SM 4500 SO4 E)	**77**		10		mg/L			09/20/23 16:46	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**37.33**				ft			09/12/23 13:51	1
Depth to Water (ft from MP)	**39.06**				ft			09/12/23 13:51	1
Elevation of well (ft from MP)	**535.67**				ft			09/12/23 13:51	1
Field pH	**7.61**				SU			09/12/23 13:51	1
Field Temperature	**70.2**				Degrees F			09/12/23 13:51	1
Ground Water Elevation	**496.61**				ft			09/12/23 13:51	1
Specific Conductance	**741**				umhos/cm			09/12/23 13:51	1
Well bottom elevation	**452.72**				ft			09/12/23 13:51	1
Field Turbidity	**776**				NTU			09/12/23 13:51	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G46S

Date Collected: 09/13/23 09:44
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:28	1
Arsenic	**0.11**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:33	1
Barium	**0.059**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:33	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 18:33	1
Boron	**7.5**		0.40		mg/L		09/18/23 10:00	10/02/23 12:33	4
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 18:33	1
Calcium	**100**		0.50		mg/L		09/18/23 10:00	09/29/23 18:33	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:33	1
Cobalt	**0.0012**		0.00050		mg/L		09/18/23 10:00	09/29/23 18:33	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:33	1
Lithium	**0.17**		0.010		mg/L		09/18/23 10:00	09/30/23 17:28	1
Molybdenum	**1.1**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:28	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:33	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**920**		10		mg/L			09/13/23 21:54	1
Chloride (SM 4500 Cl- E)	**72**		4.0		mg/L			09/15/23 16:38	2
Fluoride (SM 4500 F C)	**0.24**		0.10		mg/L			09/18/23 13:53	1
Sulfate (SM 4500 SO4 E)	**460**		100		mg/L			09/20/23 15:35	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**103.42**				ft			09/13/23 09:44	1
Depth to Water (ft from MP)	**106.12**				ft			09/13/23 09:44	1
Elevation of well (ft from MP)	**601.41**				ft			09/13/23 09:44	1
Field pH	**7.48**				SU			09/13/23 09:44	1
Field Temperature	**56.9**				Degrees F			09/13/23 09:44	1
Ground Water Elevation	**495.29**				ft			09/13/23 09:44	1
Specific Conductance	**1308**				umhos/cm			09/13/23 09:44	1
Well bottom elevation	**453.62**				ft			09/13/23 09:44	1
Field Turbidity	**113**				NTU			09/13/23 09:44	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G38S

Date Collected: 09/13/23 10:48
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:30	1
Arsenic	**0.0064**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:36	1
Barium	**0.043**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:36	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 18:36	1
Boron	**7.6**		0.40		mg/L		09/18/23 10:00	10/02/23 12:36	4
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 18:36	1
Calcium	**48**		0.50		mg/L		09/18/23 10:00	09/29/23 18:36	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:36	1
Cobalt	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:36	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:36	1
Lithium	**0.046**		0.010		mg/L		09/18/23 10:00	09/30/23 17:30	1
Molybdenum	**0.85**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:30	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:36	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**930**		10		mg/L			09/13/23 21:57	1
Chloride (SM 4500 Cl- E)	**62**		4.0		mg/L			09/15/23 16:39	2
Fluoride (SM 4500 F C)	**0.26**		0.10		mg/L			09/18/23 13:58	1
Sulfate (SM 4500 SO4 E)	**480**		50		mg/L			09/20/23 16:46	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**96.21**				ft			09/13/23 10:48	1
Depth to Water (ft from MP)	**98.43**				ft			09/13/23 10:48	1
Elevation of well (ft from MP)	**610.59**				ft			09/13/23 10:48	1
Field pH	**7.77**				SU			09/13/23 10:48	1
Field Temperature	**57.8**				Degrees F			09/13/23 10:48	1
Ground Water Elevation	**512.16**				ft			09/13/23 10:48	1
Specific Conductance	**1344**				umhos/cm			09/13/23 10:48	1
Well bottom elevation	**457.57**				ft			09/13/23 10:48	1
Field Turbidity	**0.21**				NTU			09/13/23 10:48	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T03S

Date Collected: 09/13/23 11:45
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:32	1
Arsenic	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:32	1
Barium	**0.080**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:32	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:32	1
Boron	**1.7**		0.10		mg/L		09/18/23 10:00	09/30/23 17:32	1
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/30/23 17:32	1
Calcium	**130**		0.50		mg/L		09/18/23 10:00	09/30/23 17:32	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/30/23 17:32	1
Cobalt	**0.0010**		0.00050		mg/L		09/18/23 10:00	09/30/23 17:32	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/30/23 17:32	1
Lithium	**0.026**		0.010		mg/L		09/18/23 10:00	09/30/23 17:32	1
Molybdenum	**0.14**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:32	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/30/23 17:32	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**910**		10		mg/L			09/13/23 21:59	1
Chloride (SM 4500 Cl- E)	**130**		10		mg/L			09/15/23 16:39	5
Fluoride (SM 4500 F C)	**0.20**		0.10		mg/L			09/18/23 14:03	1
Sulfate (SM 4500 SO4 E)	**220**		50		mg/L			09/20/23 15:43	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**135.52**				ft			09/13/23 11:45	1
Depth to Water (ft from MP)	**138.60**				ft			09/13/23 11:45	1
Elevation of well (ft from MP)	**629.85**				ft			09/13/23 11:45	1
Field pH	**7.56**				SU			09/13/23 11:45	1
Field Temperature	**55.8**				Degrees F			09/13/23 11:45	1
Ground Water Elevation	**491.25**				ft			09/13/23 11:45	1
Specific Conductance	**1307**				umhos/cm			09/13/23 11:45	1
Well bottom elevation	**456.70**				ft			09/13/23 11:45	1
Field Turbidity	**0.22**				NTU			09/13/23 11:45	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G44S

Date Collected: 09/13/23 13:52
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:34	1
Arsenic	<0.0020		0.0020		mg/L		09/18/23 10:00	09/29/23 18:43	1
Barium	**0.062**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:43	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 18:43	1
Boron	**1.7**		0.10		mg/L		09/18/23 10:00	09/30/23 17:34	1
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 18:43	1
Calcium	**100**		0.50		mg/L		09/18/23 10:00	09/29/23 18:43	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:43	1
Cobalt	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:43	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:43	1
Lithium	**0.024**		0.010		mg/L		09/18/23 10:00	09/30/23 17:34	1
Molybdenum	**0.21**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:34	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:43	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**720**		10		mg/L			09/13/23 22:02	1
Chloride (SM 4500 Cl- E)	**68**		4.0		mg/L			09/15/23 16:39	2
Fluoride (SM 4500 F C)	**0.21**		0.10		mg/L			09/18/23 14:07	1
Sulfate (SM 4500 SO4 E)	**160**		25		mg/L			09/20/23 15:37	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**80.57**				ft			09/13/23 13:52	1
Depth to Water (ft from MP)	**82.75**				ft			09/13/23 13:52	1
Elevation of well (ft from MP)	**586.68**				ft			09/13/23 13:52	1
Field pH	**7.01**				SU			09/13/23 13:52	1
Field Temperature	**57.8**				Degrees F			09/13/23 13:52	1
Ground Water Elevation	**503.93**				ft			09/13/23 13:52	1
Specific Conductance	**1152**				umhos/cm			09/13/23 13:52	1
Well bottom elevation	**455.11**				ft			09/13/23 13:52	1
Field Turbidity	**0.93**				NTU			09/13/23 13:52	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G45S

Date Collected: 09/14/23 14:10
Date Received: 09/14/23 15:25

Lab Sample ID: 500-239151-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 17:37	1
Arsenic	**0.0098**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:46	1
Barium	**0.033**		0.0020		mg/L		09/18/23 10:00	09/29/23 18:46	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 18:46	1
Boron	**0.46**		0.10		mg/L		09/18/23 10:00	09/30/23 17:37	1
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 18:46	1
Calcium	**67**		0.50		mg/L		09/18/23 10:00	09/29/23 18:46	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:46	1
Cobalt	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:46	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 18:46	1
Lithium	**0.026**		0.010		mg/L		09/18/23 10:00	09/30/23 17:37	1
Molybdenum	**0.013**		0.0020		mg/L		09/18/23 10:00	09/30/23 17:37	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 18:46	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 17:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**600**		10		mg/L			09/18/23 00:59	1
Chloride (SM 4500 Cl- E)	**120**		20		mg/L			09/18/23 16:01	10
Fluoride (SM 4500 F C)	**0.36**		0.10		mg/L			09/18/23 14:12	1
Sulfate (SM 4500 SO4 E)	**150**		50		mg/L			09/21/23 13:03	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**62.15**				ft			09/14/23 14:10	1
Depth to Water (ft from MP)	**65.12**				ft			09/14/23 14:10	1
Elevation of well (ft from MP)	**603.80**				ft			09/14/23 14:10	1
Field pH	**7.35**				SU			09/14/23 14:10	1
Field Temperature	**59.8**				Degrees F			09/14/23 14:10	1
Ground Water Elevation	**538.68**				ft			09/14/23 14:10	1
Specific Conductance	**974**				umhos/cm			09/14/23 14:10	1
Well bottom elevation	**471.05**				ft			09/14/23 14:10	1
Field Turbidity	**0.97**				NTU			09/14/23 14:10	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T09S

Date Collected: 09/19/23 11:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/21/23 09:25	09/29/23 20:54	1
Arsenic	**0.0036**		0.0020		mg/L		09/21/23 09:25	09/29/23 20:54	1
Barium	**0.053**		0.0020		mg/L		09/21/23 09:25	09/29/23 20:54	1
Beryllium	<0.0010		0.0010		mg/L		09/21/23 09:25	09/29/23 20:54	1
Boron	**5.7**		0.40		mg/L		09/21/23 09:25	10/08/23 18:51	4
Cadmium	<0.00020		0.00020		mg/L		09/21/23 09:25	09/29/23 20:54	1
Calcium	**96**		0.50		mg/L		09/21/23 09:25	09/29/23 20:54	1
Chromium	<0.0050		0.0050		mg/L		09/21/23 09:25	09/29/23 20:54	1
Cobalt	**0.00051**		0.00050		mg/L		09/21/23 09:25	09/29/23 20:54	1
Lead	<0.00050		0.00050		mg/L		09/21/23 09:25	09/29/23 20:54	1
Lithium	**0.090**		0.010		mg/L		09/21/23 09:25	09/30/23 16:17	1
Molybdenum	**0.66**		0.0020		mg/L		09/21/23 09:25	09/29/23 20:54	1
Selenium	<0.0050		0.0050		mg/L		09/21/23 09:25	09/29/23 20:54	1
Thallium	**0.017**	**F1**	0.0040		mg/L		09/21/23 09:25	10/08/23 18:51	4

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/22/23 10:16	09/25/23 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**880**		10		mg/L			09/19/23 20:53	1
Chloride (SM 4500 Cl- E)	**62**		4.0		mg/L			09/22/23 11:15	2
Fluoride (SM 4500 F C)	**0.31**		0.10		mg/L			09/25/23 09:47	1
Sulfate (SM 4500 SO4 E)	**380**		100		mg/L			09/20/23 15:36	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**107.28**				ft			09/19/23 11:28	1
Depth to Water (ft from MP)	**109.68**				ft			09/19/23 11:28	1
Elevation of well (ft from MP)	**603.48**				ft			09/19/23 11:28	1
Field pH	**7.74**				SU			09/19/23 11:28	1
Field Temperature	**57.4**				Degrees F			09/19/23 11:28	1
Ground Water Elevation	**493.80**				ft			09/19/23 11:28	1
Specific Conductance	**1289**				umhos/cm			09/19/23 11:28	1
Well bottom elevation	**444.80**				ft			09/19/23 11:28	1
Field Turbidity	**33.90**				NTU			09/19/23 11:28	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T06S

Date Collected: 09/19/23 13:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/21/23 09:25	09/29/23 21:03	1
Arsenic	<0.0020		0.0020		mg/L		09/21/23 09:25	09/29/23 21:03	1
Barium	**0.031**		0.0020		mg/L		09/21/23 09:25	09/29/23 21:03	1
Beryllium	<0.0010		0.0010		mg/L		09/21/23 09:25	09/29/23 21:03	1
Boron	**1.0**		0.10		mg/L		09/21/23 09:25	09/30/23 16:23	1
Cadmium	**0.00021**		0.00020		mg/L		09/21/23 09:25	09/29/23 21:03	1
Calcium	**66**		0.50		mg/L		09/21/23 09:25	09/29/23 21:03	1
Chromium	<0.0050		0.0050		mg/L		09/21/23 09:25	09/29/23 21:03	1
Cobalt	<0.00050		0.00050		mg/L		09/21/23 09:25	09/29/23 21:03	1
Lead	<0.00050		0.00050		mg/L		09/21/23 09:25	09/29/23 21:03	1
Lithium	**0.025**		0.010		mg/L		09/21/23 09:25	09/30/23 16:23	1
Molybdenum	**0.026**		0.0020		mg/L		09/21/23 09:25	09/29/23 21:03	1
Selenium	<0.0050		0.0050		mg/L		09/21/23 09:25	09/29/23 21:03	1
Thallium	**0.0015**		0.0010		mg/L		09/21/23 09:25	10/08/23 18:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/22/23 10:16	09/25/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**470**		10		mg/L			09/19/23 20:56	1
Chloride (SM 4500 Cl- E)	**14**		2.0		mg/L			09/22/23 10:43	1
Fluoride (SM 4500 F C)	**0.44**		0.10		mg/L			09/25/23 09:52	1
Sulfate (SM 4500 SO4 E)	**100**		25		mg/L			09/20/23 15:36	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**115.70**				ft			09/19/23 13:28	1
Depth to Water (ft from MP)	**118.00**				ft			09/19/23 13:28	1
Elevation of well (ft from MP)	**621.05**				ft			09/19/23 13:28	1
Field pH	**7.29**				SU			09/19/23 13:28	1
Field Temperature	**59.2**				Degrees F			09/19/23 13:28	1
Ground Water Elevation	**503.05**				ft			09/19/23 13:28	1
Specific Conductance	**787**				umhos/cm			09/19/23 13:28	1
Well bottom elevation	**447.94**				ft			09/19/23 13:28	1
Field Turbidity	**0.52**				NTU			09/19/23 13:28	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T13S

Date Collected: 09/26/23 11:25
Date Received: 09/26/23 14:40

Lab Sample ID: 500-239151-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 15:47	1
Arsenic	**0.0048**		0.0020		mg/L		10/03/23 09:05	10/09/23 15:47	1
Barium	**0.056**		0.0020		mg/L		10/03/23 09:05	10/09/23 15:47	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 15:47	1
Boron	**0.38**		0.10		mg/L		10/03/23 09:05	10/09/23 15:47	1
Cadmium	<0.00020		0.00020		mg/L		10/03/23 09:05	10/09/23 15:47	1
Calcium	**100**		0.50		mg/L		10/03/23 09:05	10/09/23 15:47	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 15:47	1
Cobalt	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 15:47	1
Lead	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 15:47	1
Lithium	**0.021**		0.010		mg/L		10/03/23 09:05	10/09/23 15:47	1
Molybdenum	**0.0095**		0.0020		mg/L		10/03/23 09:05	10/09/23 15:47	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 15:47	1
Thallium	**0.012**	**F2 F1**	0.0010		mg/L		10/03/23 09:05	10/09/23 15:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**580**		10		mg/L			09/26/23 22:31	1
Chloride (SM 4500 Cl- E)	**37**		2.0		mg/L			09/27/23 14:01	1
Fluoride (SM 4500 F C)	**0.20**	**F1**	0.10		mg/L			10/12/23 15:29	1
Sulfate (SM 4500 SO4 E)	**140**		50		mg/L			10/04/23 16:40	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**17.54**				ft			09/26/23 11:25	1
Depth to Water (ft from MP)	**20.30**				ft			09/26/23 11:25	1
Elevation of well (ft from MP)	**525.33**				ft			09/26/23 11:25	1
Field pH	**7.43**				SU			09/26/23 11:25	1
Field Temperature	**60.2**				Degrees F			09/26/23 11:25	1
Ground Water Elevation	**505.03**				ft			09/26/23 11:25	1
Specific Conductance	**928**				umhos/cm			09/26/23 11:25	1
Well bottom elevation	**452.21**				ft			09/26/23 11:25	1
Field Turbidity	**5.31**				NTU			09/26/23 11:25	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T13S Dup

Date Collected: 09/26/23 11:25
Date Received: 09/26/23 14:40

Lab Sample ID: 500-239151-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:03	1
Arsenic	**0.0046**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:03	1
Barium	**0.056**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:03	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:03	1
Boron	**0.45**		0.10		mg/L		10/03/23 09:05	10/09/23 16:03	1
Cadmium	<0.00020		0.00020		mg/L		10/03/23 09:05	10/09/23 16:03	1
Calcium	**100**		0.50		mg/L		10/03/23 09:05	10/09/23 16:03	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:03	1
Cobalt	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:03	1
Lead	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:03	1
Lithium	**0.022**		0.010		mg/L		10/03/23 09:05	10/09/23 16:03	1
Molybdenum	**0.011**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:03	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:03	1
Thallium	**0.017**		0.0010		mg/L		10/03/23 09:05	10/09/23 16:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**590**		10		mg/L			09/26/23 22:33	1
Chloride (SM 4500 Cl- E)	**36**		2.0		mg/L			09/27/23 14:01	1
Fluoride (SM 4500 F C)	**0.20**		0.10		mg/L			10/12/23 15:42	1
Sulfate (SM 4500 SO4 E)	**140**		50		mg/L			10/04/23 16:40	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**17.54**				ft			09/26/23 11:25	1
Depth to Water (ft from MP)	**20.30**				ft			09/26/23 11:25	1
Elevation of well (ft from MP)	**525.33**				ft			09/26/23 11:25	1
Field pH	**7.43**				SU			09/26/23 11:25	1
Field Temperature	**60.2**				Degrees F			09/26/23 11:25	1
Ground Water Elevation	**505.03**				ft			09/26/23 11:25	1
Specific Conductance	**928**				umhos/cm			09/26/23 11:25	1
Well bottom elevation	**452.21**				ft			09/26/23 11:25	1
Field Turbidity	**5.31**				NTU			09/26/23 11:25	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T02S

Date Collected: 09/27/23 10:47
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:06	1
Arsenic	**0.0070**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:06	1
Barium	**0.069**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:06	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:06	1
Boron	**3.9**		0.10		mg/L		10/03/23 09:05	10/09/23 16:06	1
Cadmium	<0.00020		0.00020		mg/L		10/03/23 09:05	10/09/23 16:06	1
Calcium	**85**		0.50		mg/L		10/03/23 09:05	10/09/23 16:06	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:06	1
Cobalt	**0.0021**		0.00050		mg/L		10/03/23 09:05	10/09/23 16:06	1
Lead	**0.0029**		0.00050		mg/L		10/03/23 09:05	10/09/23 16:06	1
Lithium	**0.034**		0.010		mg/L		10/03/23 09:05	10/09/23 16:06	1
Molybdenum	**0.34**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:06	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:06	1
Thallium	**0.0011**		0.0010		mg/L		10/03/23 09:05	10/09/23 16:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**960**		10		mg/L			09/29/23 01:36	1
Chloride (SM 4500 Cl- E)	**120**		20		mg/L			10/04/23 10:41	10
Fluoride (SM 4500 F C)	**0.29**		0.10		mg/L			10/12/23 15:46	1
Sulfate (SM 4500 SO4 E)	**320**		50		mg/L			10/04/23 16:40	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**134.21**				ft			09/27/23 10:47	1
Depth to Water (ft from MP)	**136.54**				ft			09/27/23 10:47	1
Elevation of well (ft from MP)	**626.12**				ft			09/27/23 10:47	1
Field pH	**7.70**				SU			09/27/23 10:47	1
Field Temperature	**61.9**				Degrees F			09/27/23 10:47	1
Ground Water Elevation	**489.58**				ft			09/27/23 10:47	1
Specific Conductance	**1388**				umhos/cm			09/27/23 10:47	1
Well bottom elevation	**453.40**				ft			09/27/23 10:47	1
Field Turbidity	**65.20**				NTU			09/27/23 10:47	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T08S
Date Collected: 09/27/23 12:24
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:10	1
Arsenic	**0.019**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:10	1
Barium	**0.030**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:10	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:10	1
Boron	**5.5**		0.70		mg/L		10/03/23 09:05	10/10/23 12:17	7
Cadmium	<0.00020		0.00020		mg/L		10/03/23 09:05	10/09/23 16:10	1
Calcium	**24**		0.50		mg/L		10/03/23 09:05	10/09/23 16:10	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:10	1
Cobalt	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:10	1
Lead	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:10	1
Lithium	**0.039**		0.010		mg/L		10/03/23 09:05	10/09/23 16:10	1
Molybdenum	**0.74**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:10	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:10	1
Thallium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**980**		10		mg/L			09/29/23 01:39	1
Chloride (SM 4500 Cl- E)	**86**		40		mg/L			10/04/23 10:39	20
Fluoride (SM 4500 F C)	**0.57**		0.10		mg/L			10/12/23 15:51	1
Sulfate (SM 4500 SO4 E)	**470**		50		mg/L			10/04/23 16:41	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**129.31**				ft			09/27/23 12:24	1
Depth to Water (ft from MP)	**131.69**				ft			09/27/23 12:24	1
Elevation of well (ft from MP)	**627.55**				ft			09/27/23 12:24	1
Field pH	**8.51**				SU			09/27/23 12:24	1
Field Temperature	**63.3**				Degrees F			09/27/23 12:24	1
Ground Water Elevation	**495.86**				ft			09/27/23 12:24	1
Specific Conductance	**1474**				umhos/cm			09/27/23 12:24	1
Well bottom elevation	**447.38**				ft			09/27/23 12:24	1
Field Turbidity	**3.13**				NTU			09/27/23 12:24	1

Client Sample ID: T05S

Date Collected: 09/27/23 14:03
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:26	1
Arsenic	**0.095**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:26	1
Barium	**0.0087**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:26	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:26	1
Boron	**12**		1.0		mg/L		10/03/23 09:05	10/10/23 12:21	10
Cadmium	**0.00024**		0.00020		mg/L		10/03/23 09:05	10/09/23 16:26	1
Calcium	**2.5**		0.50		mg/L		10/03/23 09:05	10/09/23 16:26	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:26	1
Cobalt	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:26	1
Lead	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:26	1
Lithium	**0.023**		0.010		mg/L		10/03/23 09:05	10/09/23 16:26	1
Molybdenum	**0.81**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:26	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:26	1
Thallium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1500**		10		mg/L			09/29/23 01:41	1
Chloride (SM 4500 Cl- E)	**130**		20		mg/L			10/04/23 10:41	10
Fluoride (SM 4500 F C)	**1.5**		0.10		mg/L			10/12/23 15:55	1
Sulfate (SM 4500 SO4 E)	**590**		100		mg/L			10/04/23 16:56	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**123.42**				ft			09/27/23 14:03	1
Depth to Water (ft from MP)	**125.82**				ft			09/27/23 14:03	1
Elevation of well (ft from MP)	**623.50**				ft			09/27/23 14:03	1
Field pH	**9.24**				SU			09/27/23 14:03	1
Field Temperature	**68.2**				Degrees F			09/27/23 14:03	1
Ground Water Elevation	**497.68**				ft			09/27/23 14:03	1
Specific Conductance	**2330**				umhos/cm			09/27/23 14:03	1
Well bottom elevation	**448.35**				ft			09/27/23 14:03	1
Field Turbidity	**3.24**				NTU			09/27/23 14:03	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T11S

Date Collected: 09/28/23 09:38
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:30	1
Arsenic	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:30	1
Barium	**0.042**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:30	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:30	1
Boron	<0.40		0.40		mg/L		10/03/23 09:05	10/10/23 12:23	4
Cadmium	<0.00020		0.00020		mg/L		10/03/23 09:05	10/09/23 16:30	1
Calcium	**110**		0.50		mg/L		10/03/23 09:05	10/09/23 16:30	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:30	1
Cobalt	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:30	1
Lead	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:30	1
Lithium	**0.021**		0.010		mg/L		10/03/23 09:05	10/09/23 16:30	1
Molybdenum	**0.0083**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:30	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:30	1
Thallium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**600**		10		mg/L			09/29/23 01:44	1
Chloride (SM 4500 Cl- E)	**45**		2.0		mg/L			10/04/23 10:19	1
Fluoride (SM 4500 F C)	**0.18**		0.10		mg/L			10/12/23 15:59	1
Sulfate (SM 4500 SO4 E)	**190**		50		mg/L			10/04/23 16:41	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**68.75**				ft			09/28/23 09:38	1
Depth to Water (ft from MP)	**71.49**				ft			09/28/23 09:38	1
Elevation of well (ft from MP)	**559.48**				ft			09/28/23 09:38	1
Field pH	**7.71**				SU			09/28/23 09:38	1
Field Temperature	**60.5**				Degrees F			09/28/23 09:38	1
Ground Water Elevation	**487.99**				ft			09/28/23 09:38	1
Specific Conductance	**911**				umhos/cm			09/28/23 09:38	1
Well bottom elevation	**445.60**				ft			09/28/23 09:38	1
Field Turbidity	**64.90**				NTU			09/28/23 09:38	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T01S

Date Collected: 09/28/23 11:27
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:33	1
Arsenic	**0.010**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:33	1
Barium	**0.042**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:33	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:33	1
Boron	**3.9**		0.40		mg/L		10/03/23 09:05	10/10/23 12:25	4
Cadmium	<0.00020		0.00020		mg/L		10/03/23 09:05	10/09/23 16:33	1
Calcium	**51**		0.50		mg/L		10/03/23 09:05	10/09/23 16:33	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:33	1
Cobalt	**0.0025**		0.00050		mg/L		10/03/23 09:05	10/09/23 16:33	1
Lead	**0.0019**		0.00050		mg/L		10/03/23 09:05	10/09/23 16:33	1
Lithium	**0.011**		0.010		mg/L		10/03/23 09:05	10/09/23 16:33	1
Molybdenum	**0.26**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:33	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:33	1
Thallium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**950**		10		mg/L			09/29/23 01:46	1
Chloride (SM 4500 Cl- E)	**98**		40		mg/L			10/04/23 10:39	20
Fluoride (SM 4500 F C)	**0.99**		0.10		mg/L			10/12/23 16:15	1
Sulfate (SM 4500 SO4 E)	**420**		50		mg/L			10/04/23 16:41	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**122.68**				ft			09/28/23 11:27	1
Depth to Water (ft from MP)	**125.16**				ft			09/28/23 11:27	1
Elevation of well (ft from MP)	**621.84**				ft			09/28/23 11:27	1
Field pH	**7.86**				SU			09/28/23 11:27	1
Field Temperature	**67.1**				Degrees F			09/28/23 11:27	1
Ground Water Elevation	**496.68**				ft			09/28/23 11:27	1
Specific Conductance	**1417**				umhos/cm			09/28/23 11:27	1
Well bottom elevation	**451.46**				ft			09/28/23 11:27	1
Field Turbidity	**131.00**				NTU			09/28/23 11:27	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G39S
Date Collected: 09/28/23 13:23
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-24
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:37	1
Arsenic	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 16:37	1
Barium	**0.036**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:37	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:37	1
Boron	<0.40		0.40		mg/L		10/03/23 09:05	10/10/23 12:28	4
Cadmium	<0.00020		0.00020		mg/L		10/03/23 09:05	10/09/23 16:37	1
Calcium	**96**		0.50		mg/L		10/03/23 09:05	10/09/23 16:37	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:37	1
Cobalt	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 16:37	1
Lead	**0.0015**		0.00050		mg/L		10/03/23 09:05	10/09/23 16:37	1
Lithium	**0.011**		0.010		mg/L		10/03/23 09:05	10/09/23 16:37	1
Molybdenum	**0.0095**		0.0020		mg/L		10/03/23 09:05	10/09/23 16:37	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 16:37	1
Thallium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 16:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**550**		10		mg/L			09/29/23 01:49	1
Chloride (SM 4500 Cl- E)	**29**		2.0		mg/L			10/04/23 10:19	1
Fluoride (SM 4500 F C)	**0.16**		0.10		mg/L			10/12/23 16:19	1
Sulfate (SM 4500 SO4 E)	**90**		50		mg/L			10/04/23 16:42	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**94.79**				ft			09/28/23 13:23	1
Depth to Water (ft from MP)	**96.87**				ft			09/28/23 13:23	1
Elevation of well (ft from MP)	**598.75**				ft			09/28/23 13:23	1
Field pH	**7.21**				SU			09/28/23 13:23	1
Field Temperature	**55.2**				Degrees F			09/28/23 13:23	1
Ground Water Elevation	**501.88**				ft			09/28/23 13:23	1
Specific Conductance	**746**				umhos/cm			09/28/23 13:23	1
Well bottom elevation	**454.15**				ft			09/28/23 13:23	1
Field Turbidity	**1.25**				NTU			09/28/23 13:23	1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

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

Metals

Prep Batch: 399206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total Recoverable	Water	3005A	
500-239151-2	G31S	Total Recoverable	Water	3005A	
500-239151-3	G48S	Total Recoverable	Water	3005A	
500-239151-4	G47S	Total Recoverable	Water	3005A	
500-239151-5	R08S	Total Recoverable	Water	3005A	
MB 310-399206/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 310-399206/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 399305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	7470A	
500-239151-2	G31S	Total/NA	Water	7470A	
500-239151-3	G48S	Total/NA	Water	7470A	
500-239151-4	G47S	Total/NA	Water	7470A	
500-239151-5	R08S	Total/NA	Water	7470A	
MB 310-399305/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-399305/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 399463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	7470A	399305
500-239151-2	G31S	Total/NA	Water	7470A	399305
500-239151-3	G48S	Total/NA	Water	7470A	399305
500-239151-4	G47S	Total/NA	Water	7470A	399305
500-239151-5	R08S	Total/NA	Water	7470A	399305
MB 310-399305/1-A	Method Blank	Total/NA	Water	7470A	399305
LCS 310-399305/2-A	Lab Control Sample	Total/NA	Water	7470A	399305

Prep Batch: 399746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-6	G30S	Total Recoverable	Water	3005A	
500-239151-7	R32S	Total Recoverable	Water	3005A	
500-239151-8	T12S	Total Recoverable	Water	3005A	
500-239151-9	G33S	Total Recoverable	Water	3005A	
500-239151-10	G46S	Total Recoverable	Water	3005A	
500-239151-11	G38S	Total Recoverable	Water	3005A	
500-239151-12	T03S	Total Recoverable	Water	3005A	
500-239151-13	G44S	Total Recoverable	Water	3005A	
500-239151-14	G45S	Total Recoverable	Water	3005A	
MB 310-399746/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 310-399746/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-239151-14 DU	G45S	Total Recoverable	Water	3005A	

Prep Batch: 399840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-6	G30S	Total/NA	Water	7470A	
500-239151-7	R32S	Total/NA	Water	7470A	
500-239151-8	T12S	Total/NA	Water	7470A	
500-239151-9	G33S	Total/NA	Water	7470A	
500-239151-10	G46S	Total/NA	Water	7470A	
500-239151-11	G38S	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 399840 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-12	T03S	Total/NA	Water	7470A	
500-239151-13	G44S	Total/NA	Water	7470A	
500-239151-14	G45S	Total/NA	Water	7470A	
MB 310-399840/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-399840/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 399998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-6	G30S	Total/NA	Water	7470A	399840
500-239151-7	R32S	Total/NA	Water	7470A	399840
500-239151-8	T12S	Total/NA	Water	7470A	399840
500-239151-9	G33S	Total/NA	Water	7470A	399840
500-239151-10	G46S	Total/NA	Water	7470A	399840
500-239151-11	G38S	Total/NA	Water	7470A	399840
500-239151-12	T03S	Total/NA	Water	7470A	399840
500-239151-13	G44S	Total/NA	Water	7470A	399840
500-239151-14	G45S	Total/NA	Water	7470A	399840
MB 310-399840/1-A	Method Blank	Total/NA	Water	7470A	399840
LCS 310-399840/2-A	Lab Control Sample	Total/NA	Water	7470A	399840

Prep Batch: 400150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total Recoverable	Water	3005A	
500-239151-16	T06S	Total Recoverable	Water	3005A	
MB 310-400150/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 310-400150/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-239151-15 MS	T09S	Total Recoverable	Water	3005A	
500-239151-15 MSD	T09S	Total Recoverable	Water	3005A	

Analysis Batch: 400336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total Recoverable	Water	6020B	399206
500-239151-2	G31S	Total Recoverable	Water	6020B	399206
500-239151-3	G48S	Total Recoverable	Water	6020B	399206
500-239151-4	G47S	Total Recoverable	Water	6020B	399206
500-239151-5	R08S	Total Recoverable	Water	6020B	399206

Prep Batch: 400381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total/NA	Water	7470A	
500-239151-16	T06S	Total/NA	Water	7470A	
MB 310-400381/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-400381/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 400466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total Recoverable	Water	6020B	399206
500-239151-2	G31S	Total Recoverable	Water	6020B	399206
500-239151-3	G48S	Total Recoverable	Water	6020B	399206
500-239151-4	G47S	Total Recoverable	Water	6020B	399206
500-239151-5	R08S	Total Recoverable	Water	6020B	399206

Metals (Continued)

Analysis Batch: 400466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-399206/1-A	Method Blank	Total Recoverable	Water	6020B	399206
LCS 310-399206/2-A	Lab Control Sample	Total Recoverable	Water	6020B	399206

Analysis Batch: 400565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total/NA	Water	7470A	400381
500-239151-16	T06S	Total/NA	Water	7470A	400381
MB 310-400381/1-A	Method Blank	Total/NA	Water	7470A	400381
LCS 310-400381/2-A	Lab Control Sample	Total/NA	Water	7470A	400381

Analysis Batch: 400668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total Recoverable	Water	6020B	399206
500-239151-2	G31S	Total Recoverable	Water	6020B	399206
500-239151-3	G48S	Total Recoverable	Water	6020B	399206
500-239151-4	G47S	Total Recoverable	Water	6020B	399206
500-239151-5	R08S	Total Recoverable	Water	6020B	399206

Analysis Batch: 400895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-399206/2-A	Lab Control Sample	Total Recoverable	Water	6020B	399206

Analysis Batch: 401097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-6	G30S	Total Recoverable	Water	6020B	399746
500-239151-7	R32S	Total Recoverable	Water	6020B	399746
500-239151-8	T12S	Total Recoverable	Water	6020B	399746
500-239151-9	G33S	Total Recoverable	Water	6020B	399746
500-239151-10	G46S	Total Recoverable	Water	6020B	399746
500-239151-11	G38S	Total Recoverable	Water	6020B	399746
500-239151-13	G44S	Total Recoverable	Water	6020B	399746
500-239151-14	G45S	Total Recoverable	Water	6020B	399746
500-239151-15	T09S	Total Recoverable	Water	6020B	400150
500-239151-16	T06S	Total Recoverable	Water	6020B	400150
MB 310-399746/1-A	Method Blank	Total Recoverable	Water	6020B	399746
MB 310-400150/1-A	Method Blank	Total Recoverable	Water	6020B	400150
LCS 310-399746/2-A	Lab Control Sample	Total Recoverable	Water	6020B	399746
LCS 310-400150/2-A	Lab Control Sample	Total Recoverable	Water	6020B	400150
500-239151-15 MS	T09S	Total Recoverable	Water	6020B	400150
500-239151-15 MSD	T09S	Total Recoverable	Water	6020B	400150
500-239151-14 DU	G45S	Total Recoverable	Water	6020B	399746

Analysis Batch: 401128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-6	G30S	Total Recoverable	Water	6020B	399746
500-239151-7	R32S	Total Recoverable	Water	6020B	399746
500-239151-8	T12S	Total Recoverable	Water	6020B	399746
500-239151-9	G33S	Total Recoverable	Water	6020B	399746
500-239151-10	G46S	Total Recoverable	Water	6020B	399746
500-239151-11	G38S	Total Recoverable	Water	6020B	399746
500-239151-12	T03S	Total Recoverable	Water	6020B	399746

Metals (Continued)

Analysis Batch: 401128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-13	G44S	Total Recoverable	Water	6020B	399746
500-239151-14	G45S	Total Recoverable	Water	6020B	399746
500-239151-15	T09S	Total Recoverable	Water	6020B	400150
500-239151-16	T06S	Total Recoverable	Water	6020B	400150
MB 310-399746/1-A	Method Blank	Total Recoverable	Water	6020B	399746
LCS 310-399746/2-A	Lab Control Sample	Total Recoverable	Water	6020B	399746
500-239151-14 DU	G45S	Total Recoverable	Water	6020B	399746

Analysis Batch: 401213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-8	T12S	Total Recoverable	Water	6020B	399746
500-239151-10	G46S	Total Recoverable	Water	6020B	399746
500-239151-11	G38S	Total Recoverable	Water	6020B	399746
MB 310-400150/1-A	Method Blank	Total Recoverable	Water	6020B	400150
LCS 310-400150/2-A	Lab Control Sample	Total Recoverable	Water	6020B	400150

Prep Batch: 401223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total Recoverable	Water	3005A	
500-239151-18	T13S Dup	Total Recoverable	Water	3005A	
500-239151-19	T02S	Total Recoverable	Water	3005A	
500-239151-20	T08S	Total Recoverable	Water	3005A	
500-239151-21	T05S	Total Recoverable	Water	3005A	
500-239151-22	T11S	Total Recoverable	Water	3005A	
500-239151-23	T01S	Total Recoverable	Water	3005A	
500-239151-24	G39S	Total Recoverable	Water	3005A	
MB 310-401223/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 310-401223/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-239151-17 MS	T13S	Total Recoverable	Water	3005A	
500-239151-17 MSD	T13S	Total Recoverable	Water	3005A	

Prep Batch: 401252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total/NA	Water	7470A	
500-239151-18	T13S Dup	Total/NA	Water	7470A	
500-239151-19	T02S	Total/NA	Water	7470A	
500-239151-20	T08S	Total/NA	Water	7470A	
500-239151-21	T05S	Total/NA	Water	7470A	
500-239151-22	T11S	Total/NA	Water	7470A	
500-239151-23	T01S	Total/NA	Water	7470A	
500-239151-24	G39S	Total/NA	Water	7470A	
MB 310-401252/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-401252/2-A	Lab Control Sample	Total/NA	Water	7470A	
500-239151-18 MS	T13S Dup	Total/NA	Water	7470A	
500-239151-18 MSD	T13S Dup	Total/NA	Water	7470A	

Analysis Batch: 401339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total/NA	Water	7470A	401252
500-239151-18	T13S Dup	Total/NA	Water	7470A	401252
500-239151-19	T02S	Total/NA	Water	7470A	401252

Metals (Continued)

Analysis Batch: 401339 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-20	T08S	Total/NA	Water	7470A	401252
500-239151-21	T05S	Total/NA	Water	7470A	401252
500-239151-22	T11S	Total/NA	Water	7470A	401252
500-239151-23	T01S	Total/NA	Water	7470A	401252
500-239151-24	G39S	Total/NA	Water	7470A	401252
MB 310-401252/1-A	Method Blank	Total/NA	Water	7470A	401252
LCS 310-401252/2-A	Lab Control Sample	Total/NA	Water	7470A	401252
500-239151-18 MS	T13S Dup	Total/NA	Water	7470A	401252
500-239151-18 MSD	T13S Dup	Total/NA	Water	7470A	401252

Analysis Batch: 401865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total Recoverable	Water	6020B	400150
500-239151-16	T06S	Total Recoverable	Water	6020B	400150
500-239151-15 MS	T09S	Total Recoverable	Water	6020B	400150
500-239151-15 MSD	T09S	Total Recoverable	Water	6020B	400150

Analysis Batch: 402020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total Recoverable	Water	6020B	401223
500-239151-18	T13S Dup	Total Recoverable	Water	6020B	401223
500-239151-19	T02S	Total Recoverable	Water	6020B	401223
500-239151-20	T08S	Total Recoverable	Water	6020B	401223
500-239151-21	T05S	Total Recoverable	Water	6020B	401223
500-239151-22	T11S	Total Recoverable	Water	6020B	401223
500-239151-23	T01S	Total Recoverable	Water	6020B	401223
500-239151-24	G39S	Total Recoverable	Water	6020B	401223
MB 310-401223/1-A	Method Blank	Total Recoverable	Water	6020B	401223
LCS 310-401223/2-A	Lab Control Sample	Total Recoverable	Water	6020B	401223
500-239151-17 MS	T13S	Total Recoverable	Water	6020B	401223
500-239151-17 MSD	T13S	Total Recoverable	Water	6020B	401223

Analysis Batch: 402075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-20	T08S	Total Recoverable	Water	6020B	401223
500-239151-21	T05S	Total Recoverable	Water	6020B	401223
500-239151-22	T11S	Total Recoverable	Water	6020B	401223
500-239151-23	T01S	Total Recoverable	Water	6020B	401223
500-239151-24	G39S	Total Recoverable	Water	6020B	401223

General Chemistry

Analysis Batch: 731084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	SM 2540C	
500-239151-2	G31S	Total/NA	Water	SM 2540C	
MB 500-731084/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-731084/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-239151-1 MS	G20S	Total/NA	Water	SM 2540C	
500-239151-1 DU	G20S	Total/NA	Water	SM 2540C	
500-239151-2 DU	G31S	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 731311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-3	G48S	Total/NA	Water	SM 2540C	
500-239151-4	G47S	Total/NA	Water	SM 2540C	
500-239151-5	R08S	Total/NA	Water	SM 2540C	
MB 500-731311/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-731311/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 731974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-6	G30S	Total/NA	Water	SM 2540C	
MB 500-731974/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-731974/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-239151-6 DU	G30S	Total/NA	Water	SM 2540C	

Analysis Batch: 732196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-7	R32S	Total/NA	Water	SM 2540C	
500-239151-8	T12S	Total/NA	Water	SM 2540C	
500-239151-9	G33S	Total/NA	Water	SM 2540C	
500-239151-10	G46S	Total/NA	Water	SM 2540C	
500-239151-11	G38S	Total/NA	Water	SM 2540C	
500-239151-12	T03S	Total/NA	Water	SM 2540C	
500-239151-13	G44S	Total/NA	Water	SM 2540C	
MB 500-732196/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-732196/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-239151-7 MS	R32S	Total/NA	Water	SM 2540C	
500-239151-7 DU	R32S	Total/NA	Water	SM 2540C	
500-239151-8 DU	T12S	Total/NA	Water	SM 2540C	

Analysis Batch: 732370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-2	G31S	Total/NA	Water	SM 4500 Cl- E	
MB 500-732370/58	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-732370/59	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-239151-2 MS	G31S	Total/NA	Water	SM 4500 Cl- E	
500-239151-2 MSD	G31S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 732578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-3	G48S	Total/NA	Water	SM 4500 Cl- E	
500-239151-4	G47S	Total/NA	Water	SM 4500 Cl- E	
500-239151-5	R08S	Total/NA	Water	SM 4500 Cl- E	
500-239151-6	G30S	Total/NA	Water	SM 4500 Cl- E	
500-239151-7	R32S	Total/NA	Water	SM 4500 Cl- E	
500-239151-8	T12S	Total/NA	Water	SM 4500 Cl- E	
500-239151-9	G33S	Total/NA	Water	SM 4500 Cl- E	
500-239151-10	G46S	Total/NA	Water	SM 4500 Cl- E	
500-239151-11	G38S	Total/NA	Water	SM 4500 Cl- E	
500-239151-12	T03S	Total/NA	Water	SM 4500 Cl- E	
500-239151-13	G44S	Total/NA	Water	SM 4500 Cl- E	
MB 500-732578/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-732578/84	Method Blank	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 732578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-732578/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-732578/85	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-239151-4 MS	G47S	Total/NA	Water	SM 4500 Cl- E	
500-239151-4 MSD	G47S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 732629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-14	G45S	Total/NA	Water	SM 2540C	
MB 500-732629/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-732629/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-239151-14 MS	G45S	Total/NA	Water	SM 2540C	
500-239151-14 DU	G45S	Total/NA	Water	SM 2540C	

Analysis Batch: 732823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	SM 4500 F C	
500-239151-2	G31S	Total/NA	Water	SM 4500 F C	
500-239151-3	G48S	Total/NA	Water	SM 4500 F C	
500-239151-4	G47S	Total/NA	Water	SM 4500 F C	
500-239151-5	R08S	Total/NA	Water	SM 4500 F C	
500-239151-6	G30S	Total/NA	Water	SM 4500 F C	
500-239151-7	R32S	Total/NA	Water	SM 4500 F C	
500-239151-8	T12S	Total/NA	Water	SM 4500 F C	
500-239151-9	G33S	Total/NA	Water	SM 4500 F C	
500-239151-10	G46S	Total/NA	Water	SM 4500 F C	
500-239151-11	G38S	Total/NA	Water	SM 4500 F C	
500-239151-12	T03S	Total/NA	Water	SM 4500 F C	
500-239151-13	G44S	Total/NA	Water	SM 4500 F C	
500-239151-14	G45S	Total/NA	Water	SM 4500 F C	
MB 500-732823/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-732823/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 732840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-14	G45S	Total/NA	Water	SM 4500 Cl- E	
MB 500-732840/153	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-732840/154	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 733073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total/NA	Water	SM 2540C	
500-239151-16	T06S	Total/NA	Water	SM 2540C	
MB 500-733073/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-733073/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 733315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	SM 4500 SO4 E	
500-239151-2	G31S	Total/NA	Water	SM 4500 SO4 E	
500-239151-3	G48S	Total/NA	Water	SM 4500 SO4 E	
500-239151-4	G47S	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 733315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-5	R08S	Total/NA	Water	SM 4500 SO4 E	
500-239151-6	G30S	Total/NA	Water	SM 4500 SO4 E	
500-239151-7	R32S	Total/NA	Water	SM 4500 SO4 E	
500-239151-8	T12S	Total/NA	Water	SM 4500 SO4 E	
500-239151-9	G33S	Total/NA	Water	SM 4500 SO4 E	
500-239151-10	G46S	Total/NA	Water	SM 4500 SO4 E	
500-239151-11	G38S	Total/NA	Water	SM 4500 SO4 E	
500-239151-12	T03S	Total/NA	Water	SM 4500 SO4 E	
500-239151-13	G44S	Total/NA	Water	SM 4500 SO4 E	
500-239151-15	T09S	Total/NA	Water	SM 4500 SO4 E	
500-239151-16	T06S	Total/NA	Water	SM 4500 SO4 E	
MB 500-733315/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-733315/88	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-733315/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-733315/89	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-239151-12 MS	T03S	Total/NA	Water	SM 4500 SO4 E	
500-239151-12 MSD	T03S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 733424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-14	G45S	Total/NA	Water	SM 4500 SO4 E	
MB 500-733424/77	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-733424/78	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-239151-14 MS	G45S	Total/NA	Water	SM 4500 SO4 E	
500-239151-14 MSD	G45S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 733653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total/NA	Water	SM 4500 Cl- E	
500-239151-16	T06S	Total/NA	Water	SM 4500 Cl- E	
MB 500-733653/4	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-733653/5	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 733817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total/NA	Water	SM 4500 F C	
500-239151-16	T06S	Total/NA	Water	SM 4500 F C	
MB 500-733817/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-733817/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 734131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total/NA	Water	SM 2540C	
500-239151-18	T13S Dup	Total/NA	Water	SM 2540C	
MB 500-734131/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-734131/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 734288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total/NA	Water	SM 4500 Cl- E	
500-239151-18	T13S Dup	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 734288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-734288/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-734288/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 734545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-19	T02S	Total/NA	Water	SM 2540C	
500-239151-20	T08S	Total/NA	Water	SM 2540C	
500-239151-21	T05S	Total/NA	Water	SM 2540C	
500-239151-22	T11S	Total/NA	Water	SM 2540C	
500-239151-23	T01S	Total/NA	Water	SM 2540C	
500-239151-24	G39S	Total/NA	Water	SM 2540C	
MB 500-734545/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-734545/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 735348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-19	T02S	Total/NA	Water	SM 4500 Cl- E	
500-239151-20	T08S	Total/NA	Water	SM 4500 Cl- E	
500-239151-21	T05S	Total/NA	Water	SM 4500 Cl- E	
500-239151-22	T11S	Total/NA	Water	SM 4500 Cl- E	
500-239151-23	T01S	Total/NA	Water	SM 4500 Cl- E	
500-239151-24	G39S	Total/NA	Water	SM 4500 Cl- E	
MB 500-735348/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-735348/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 735396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total/NA	Water	SM 4500 SO4 E	
500-239151-18	T13S Dup	Total/NA	Water	SM 4500 SO4 E	
500-239151-19	T02S	Total/NA	Water	SM 4500 SO4 E	
500-239151-20	T08S	Total/NA	Water	SM 4500 SO4 E	
500-239151-21	T05S	Total/NA	Water	SM 4500 SO4 E	
500-239151-22	T11S	Total/NA	Water	SM 4500 SO4 E	
500-239151-23	T01S	Total/NA	Water	SM 4500 SO4 E	
500-239151-24	G39S	Total/NA	Water	SM 4500 SO4 E	
MB 500-735396/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-735396/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-239151-24 MS	G39S	Total/NA	Water	SM 4500 SO4 E	
500-239151-24 MSD	G39S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 736942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total/NA	Water	SM 4500 F C	
500-239151-18	T13S Dup	Total/NA	Water	SM 4500 F C	
500-239151-19	T02S	Total/NA	Water	SM 4500 F C	
500-239151-20	T08S	Total/NA	Water	SM 4500 F C	
500-239151-21	T05S	Total/NA	Water	SM 4500 F C	
500-239151-22	T11S	Total/NA	Water	SM 4500 F C	
500-239151-23	T01S	Total/NA	Water	SM 4500 F C	
500-239151-24	G39S	Total/NA	Water	SM 4500 F C	
MB 500-736942/3	Method Blank	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 736942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-736942/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-239151-17 MS	T13S	Total/NA	Water	SM 4500 F C	
500-239151-17 MSD	T13S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 742589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	SM 4500 Cl- E	
MB 500-742589/106	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-742589/107	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Field Service / Mobile Lab

Analysis Batch: 731481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	Field Sampling	
500-239151-2	G31S	Total/NA	Water	Field Sampling	
500-239151-3	G48S	Total/NA	Water	Field Sampling	
500-239151-4	G47S	Total/NA	Water	Field Sampling	
500-239151-5	R08S	Total/NA	Water	Field Sampling	
500-239151-6	G30S	Total/NA	Water	Field Sampling	
500-239151-7	R32S	Total/NA	Water	Field Sampling	
500-239151-8	T12S	Total/NA	Water	Field Sampling	
500-239151-9	G33S	Total/NA	Water	Field Sampling	
500-239151-10	G46S	Total/NA	Water	Field Sampling	
500-239151-11	G38S	Total/NA	Water	Field Sampling	
500-239151-12	T03S	Total/NA	Water	Field Sampling	
500-239151-13	G44S	Total/NA	Water	Field Sampling	
500-239151-14	G45S	Total/NA	Water	Field Sampling	
500-239151-15	T09S	Total/NA	Water	Field Sampling	
500-239151-16	T06S	Total/NA	Water	Field Sampling	
500-239151-17	T13S	Total/NA	Water	Field Sampling	
500-239151-18	T13S Dup	Total/NA	Water	Field Sampling	
500-239151-19	T02S	Total/NA	Water	Field Sampling	
500-239151-20	T08S	Total/NA	Water	Field Sampling	
500-239151-21	T05S	Total/NA	Water	Field Sampling	
500-239151-22	T11S	Total/NA	Water	Field Sampling	
500-239151-23	T01S	Total/NA	Water	Field Sampling	
500-239151-24	G39S	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-399206/1-A
Matrix: Water
Analysis Batch: 400466

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 399206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/12/23 09:40	09/22/23 13:19	1
Boron	<0.10		0.10		mg/L		09/12/23 09:40	09/22/23 13:19	1

Lab Sample ID: LCS 310-399206/2-A
Matrix: Water
Analysis Batch: 400466

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 399206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.217		mg/L		109	80 - 120
Thallium	0.200	0.167		mg/L		83	80 - 120

Lab Sample ID: LCS 310-399206/2-A
Matrix: Water
Analysis Batch: 400895

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 399206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.200	0.200		mg/L		100	80 - 120

Lab Sample ID: MB 310-399746/1-A
Matrix: Water
Analysis Batch: 401097

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 399746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0020		0.0020		mg/L		09/18/23 10:00	09/29/23 17:40	1
Barium	<0.0020		0.0020		mg/L		09/18/23 10:00	09/29/23 17:40	1
Beryllium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/29/23 17:40	1
Cadmium	<0.00020		0.00020		mg/L		09/18/23 10:00	09/29/23 17:40	1
Calcium	<0.50		0.50		mg/L		09/18/23 10:00	09/29/23 17:40	1
Chromium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 17:40	1
Cobalt	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 17:40	1
Lead	<0.00050		0.00050		mg/L		09/18/23 10:00	09/29/23 17:40	1
Selenium	<0.0050		0.0050		mg/L		09/18/23 10:00	09/29/23 17:40	1

Lab Sample ID: MB 310-399746/1-A
Matrix: Water
Analysis Batch: 401128

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 399746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 16:52	1
Boron	<0.10		0.10		mg/L		09/18/23 10:00	09/30/23 16:52	1
Lithium	<0.010		0.010		mg/L		09/18/23 10:00	09/30/23 16:52	1
Molybdenum	<0.0020		0.0020		mg/L		09/18/23 10:00	09/30/23 16:52	1
Thallium	<0.0010		0.0010		mg/L		09/18/23 10:00	09/30/23 16:52	1

Lab Sample ID: LCS 310-399746/2-A
Matrix: Water
Analysis Batch: 401097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 399746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.226		mg/L		113	80 - 120

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

Lab Sample ID: LCS 310-399746/2-A
Matrix: Water
Analysis Batch: 401097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 399746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.0993		mg/L		99	80 - 120
Beryllium	0.100	0.102		mg/L		102	80 - 120
Cadmium	0.100	0.0967		mg/L		97	80 - 120
Calcium	2.00	1.97		mg/L		98	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.100	0.107		mg/L		107	80 - 120
Lead	0.200	0.210		mg/L		105	80 - 120
Selenium	0.400	0.394		mg/L		99	80 - 120

Lab Sample ID: LCS 310-399746/2-A
Matrix: Water
Analysis Batch: 401128

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 399746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.224		mg/L		112	80 - 120
Boron	0.200	0.193		mg/L		97	80 - 120
Lithium	0.200	0.189		mg/L		95	80 - 120
Molybdenum	0.200	0.193		mg/L		97	80 - 120
Thallium	0.200	0.186		mg/L		93	80 - 120

Lab Sample ID: 500-239151-14 DU
Matrix: Water
Analysis Batch: 401097

Client Sample ID: G45S
Prep Type: Total Recoverable
Prep Batch: 399746

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.0098		0.00994		mg/L		1	20
Barium	0.033		0.0327		mg/L		0.1	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00020		<0.00020		mg/L		NC	20
Calcium	67		67.3		mg/L		0.2	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.00050		<0.00050		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Selenium	<0.0050		<0.0050		mg/L		NC	20

Lab Sample ID: 500-239151-14 DU
Matrix: Water
Analysis Batch: 401128

Client Sample ID: G45S
Prep Type: Total Recoverable
Prep Batch: 399746

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0020		<0.0020		mg/L		NC	20
Boron	0.46		0.460		mg/L		0.8	20
Lithium	0.026		0.0265		mg/L		0.5	20
Molybdenum	0.013		0.0120		mg/L		6	20
Thallium	<0.0010		<0.0010		mg/L		NC	20

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

Lab Sample ID: MB 310-400150/1-A
Matrix: Water
Analysis Batch: 401097

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 400150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		09/21/23 09:25	09/29/23 20:34	1
Arsenic	<0.0020		0.0020		mg/L		09/21/23 09:25	09/29/23 20:34	1
Barium	<0.0020		0.0020		mg/L		09/21/23 09:25	09/29/23 20:34	1
Beryllium	<0.0010		0.0010		mg/L		09/21/23 09:25	09/29/23 20:34	1
Cadmium	<0.00020		0.00020		mg/L		09/21/23 09:25	09/29/23 20:34	1
Calcium	<0.50		0.50		mg/L		09/21/23 09:25	09/29/23 20:34	1
Chromium	<0.0050		0.0050		mg/L		09/21/23 09:25	09/29/23 20:34	1
Cobalt	<0.00050		0.00050		mg/L		09/21/23 09:25	09/29/23 20:34	1
Lead	<0.00050		0.00050		mg/L		09/21/23 09:25	09/29/23 20:34	1
Molybdenum	<0.0020		0.0020		mg/L		09/21/23 09:25	09/29/23 20:34	1
Selenium	<0.0050		0.0050		mg/L		09/21/23 09:25	09/29/23 20:34	1

Lab Sample ID: MB 310-400150/1-A
Matrix: Water
Analysis Batch: 401213

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 400150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.10		0.10		mg/L		09/21/23 09:25	10/02/23 12:10	1
Lithium	<0.010		0.010		mg/L		09/21/23 09:25	10/02/23 12:10	1
Thallium	<0.0010		0.0010		mg/L		09/21/23 09:25	10/02/23 12:10	1

Lab Sample ID: LCS 310-400150/2-A
Matrix: Water
Analysis Batch: 401097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 400150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.188		mg/L		94	80 - 120

Lab Sample ID: LCS 310-400150/2-A
Matrix: Water
Analysis Batch: 401213

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 400150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.205		mg/L		102	80 - 120
Barium	0.100	0.103		mg/L		103	80 - 120
Beryllium	0.100	0.0968		mg/L		97	80 - 120
Boron	0.200	0.203		mg/L		102	80 - 120
Cadmium	0.100	0.103		mg/L		103	80 - 120
Calcium	2.00	1.71		mg/L		85	80 - 120
Chromium	0.100	0.104		mg/L		104	80 - 120
Cobalt	0.100	0.107		mg/L		107	80 - 120
Lead	0.200	0.205		mg/L		102	80 - 120
Lithium	0.200	0.200		mg/L		100	80 - 120
Molybdenum	0.200	0.203		mg/L		102	80 - 120
Selenium	0.400	0.396		mg/L		99	80 - 120
Thallium	0.200	0.171		mg/L		85	80 - 120

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

Lab Sample ID: 500-239151-15 MS
Matrix: Water
Analysis Batch: 401097

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 400150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0036		0.200	0.240		mg/L		118	75 - 125
Barium	0.053		0.100	0.150		mg/L		97	75 - 125
Beryllium	<0.0010		0.100	0.105		mg/L		105	75 - 125
Cobalt	0.00051		0.100	0.105		mg/L		104	75 - 125
Lead	<0.00050		0.200	0.202		mg/L		101	75 - 125
Selenium	<0.0050		0.400	0.409		mg/L		102	75 - 125

Lab Sample ID: 500-239151-15 MS
Matrix: Water
Analysis Batch: 401865

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 400150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	5.7		0.200	6.05	4	mg/L		181	75 - 125
Thallium	0.017	F1	0.200	0.140	F1	mg/L		62	75 - 125

Lab Sample ID: 500-239151-15 MSD
Matrix: Water
Analysis Batch: 401097

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 400150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0036		0.200	0.228		mg/L		112	75 - 125	5	20
Barium	0.053		0.100	0.148		mg/L		95	75 - 125	1	20
Beryllium	<0.0010		0.100	0.102		mg/L		102	75 - 125	3	20
Cobalt	0.00051		0.100	0.100		mg/L		100	75 - 125	5	20
Lead	<0.00050		0.200	0.195		mg/L		97	75 - 125	3	20
Selenium	<0.0050		0.400	0.388		mg/L		97	75 - 125	5	20

Lab Sample ID: 500-239151-15 MSD
Matrix: Water
Analysis Batch: 401865

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 400150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	5.7		0.200	6.07	4	mg/L		189	75 - 125	0	20
Thallium	0.017	F1	0.200	0.142	F1	mg/L		62	75 - 125	1	20

Lab Sample ID: MB 310-401223/1-A
Matrix: Water
Analysis Batch: 402020

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 401223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 15:40	1
Arsenic	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 15:40	1
Barium	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 15:40	1
Beryllium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 15:40	1
Boron	<0.10		0.10		mg/L		10/03/23 09:05	10/09/23 15:40	1
Cadmium	<0.00020		0.00020		mg/L		10/03/23 09:05	10/09/23 15:40	1
Calcium	<0.50		0.50		mg/L		10/03/23 09:05	10/09/23 15:40	1
Chromium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 15:40	1
Cobalt	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 15:40	1

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

Lab Sample ID: MB 310-401223/1-A
Matrix: Water
Analysis Batch: 402020

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 401223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00050		0.00050		mg/L		10/03/23 09:05	10/09/23 15:40	1
Lithium	<0.010		0.010		mg/L		10/03/23 09:05	10/09/23 15:40	1
Molybdenum	<0.0020		0.0020		mg/L		10/03/23 09:05	10/09/23 15:40	1
Selenium	<0.0050		0.0050		mg/L		10/03/23 09:05	10/09/23 15:40	1
Thallium	<0.0010		0.0010		mg/L		10/03/23 09:05	10/09/23 15:40	1

Lab Sample ID: LCS 310-401223/2-A
Matrix: Water
Analysis Batch: 402020

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 401223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.221		mg/L		111	80 - 120
Arsenic	0.200	0.218		mg/L		109	80 - 120
Barium	0.100	0.103		mg/L		103	80 - 120
Beryllium	0.100	0.100		mg/L		100	80 - 120
Boron	0.200	0.201		mg/L		100	80 - 120
Cadmium	0.100	0.0982		mg/L		98	80 - 120
Calcium	2.00	2.10		mg/L		105	80 - 120
Chromium	0.100	0.108		mg/L		108	80 - 120
Cobalt	0.100	0.109		mg/L		109	80 - 120
Lead	0.200	0.209		mg/L		105	80 - 120
Lithium	0.200	0.209		mg/L		104	80 - 120
Molybdenum	0.200	0.199		mg/L		100	80 - 120
Selenium	0.400	0.380		mg/L		95	80 - 120
Thallium	0.200	0.196		mg/L		98	80 - 120

Lab Sample ID: 500-239151-17 MS
Matrix: Water
Analysis Batch: 402020

Client Sample ID: T13S
Prep Type: Total Recoverable
Prep Batch: 401223

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0020		0.200	0.231		mg/L		116	75 - 125
Arsenic	0.0048		0.200	0.220		mg/L		108	75 - 125
Barium	0.056		0.100	0.155		mg/L		98	75 - 125
Beryllium	<0.0010		0.100	0.102		mg/L		102	75 - 125
Boron	0.38		0.200	0.576		mg/L		97	75 - 125
Cadmium	<0.00020		0.100	0.0960		mg/L		96	75 - 125
Calcium	100		2.00	97.8	4	mg/L		-216	75 - 125
Chromium	<0.0050		0.100	0.102		mg/L		102	75 - 125
Cobalt	<0.00050		0.100	0.100		mg/L		100	75 - 125
Lead	<0.00050		0.200	0.187		mg/L		94	75 - 125
Lithium	0.021		0.200	0.215		mg/L		97	75 - 125
Molybdenum	0.0095		0.200	0.202		mg/L		96	75 - 125
Selenium	<0.0050		0.400	0.350		mg/L		87	75 - 125
Thallium	0.012	F2 F1	0.200	0.104	F1	mg/L		46	75 - 125

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

Lab Sample ID: 500-239151-17 MSD
Matrix: Water
Analysis Batch: 402020

Client Sample ID: T13S
Prep Type: Total Recoverable
Prep Batch: 401223

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0020		0.200	0.249		mg/L		124	75 - 125	7	20
Arsenic	0.0048		0.200	0.238		mg/L		117	75 - 125	8	20
Barium	0.056		0.100	0.165		mg/L		109	75 - 125	6	20
Beryllium	<0.0010		0.100	0.111		mg/L		111	75 - 125	9	20
Boron	0.38		0.200	0.609		mg/L		114	75 - 125	6	20
Cadmium	<0.00020		0.100	0.105		mg/L		104	75 - 125	9	20
Calcium	100		2.00	104	4	mg/L		85	75 - 125	6	20
Chromium	<0.0050		0.100	0.111		mg/L		111	75 - 125	9	20
Cobalt	<0.00050		0.100	0.109		mg/L		109	75 - 125	8	20
Lead	<0.00050		0.200	0.207		mg/L		103	75 - 125	10	20
Lithium	0.021		0.200	0.233		mg/L		106	75 - 125	8	20
Molybdenum	0.0095		0.200	0.222		mg/L		106	75 - 125	9	20
Selenium	<0.0050		0.400	0.385		mg/L		96	75 - 125	9	20
Thallium	0.012	F2 F1	0.200	0.135	F2 F1	mg/L		61	75 - 125	26	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-399305/1-A
Matrix: Water
Analysis Batch: 399463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 399305

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/23 11:54	09/13/23 11:34	1

Lab Sample ID: LCS 310-399305/2-A
Matrix: Water
Analysis Batch: 399463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 399305

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00184		mg/L		111	80 - 120

Lab Sample ID: MB 310-399840/1-A
Matrix: Water
Analysis Batch: 399998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 399840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/18/23 10:47	09/19/23 11:04	1

Lab Sample ID: LCS 310-399840/2-A
Matrix: Water
Analysis Batch: 399998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 399840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00162		mg/L		97	80 - 120

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

Lab Sample ID: MB 310-400381/1-A
Matrix: Water
Analysis Batch: 400565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/22/23 10:16	09/25/23 09:45	1

Lab Sample ID: LCS 310-400381/2-A
Matrix: Water
Analysis Batch: 400565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400381

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00162		mg/L		97	80 - 120

Lab Sample ID: MB 310-401252/1-A
Matrix: Water
Analysis Batch: 401339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 401252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/03/23 08:03	10/03/23 13:18	1

Lab Sample ID: LCS 310-401252/2-A
Matrix: Water
Analysis Batch: 401339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 401252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.00166		mg/L		100	80 - 120

Lab Sample ID: 500-239151-18 MS
Matrix: Water
Analysis Batch: 401339

Client Sample ID: T13S Dup
Prep Type: Total/NA
Prep Batch: 401252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00167	0.00168		mg/L		101	80 - 120

Lab Sample ID: 500-239151-18 MSD
Matrix: Water
Analysis Batch: 401339

Client Sample ID: T13S Dup
Prep Type: Total/NA
Prep Batch: 401252

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00167	0.00171		mg/L		102	80 - 120	1	20

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

Lab Sample ID: MB 500-731084/1
Matrix: Water
Analysis Batch: 731084

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		mg/L			09/06/23 20:14	1

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

Lab Sample ID: LCS 500-731084/2
Matrix: Water
Analysis Batch: 731084

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

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

Lab Sample ID: 500-239151-1 MS
Matrix: Water
Analysis Batch: 731084

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	400		250	694		mg/L		118	75 - 125

Lab Sample ID: 500-239151-1 DU
Matrix: Water
Analysis Batch: 731084

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	400		382		mg/L		5	5

Lab Sample ID: 500-239151-2 DU
Matrix: Water
Analysis Batch: 731084

Client Sample ID: G31S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1140		mg/L		0.9	5

Lab Sample ID: MB 500-731311/1
Matrix: Water
Analysis Batch: 731311

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		mg/L			09/07/23 20:50	1

Lab Sample ID: LCS 500-731311/2
Matrix: Water
Analysis Batch: 731311

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	236		mg/L		94	80 - 120

Lab Sample ID: MB 500-731974/1
Matrix: Water
Analysis Batch: 731974

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		mg/L			09/12/23 19:41	1

Lab Sample ID: LCS 500-731974/2
Matrix: Water
Analysis Batch: 731974

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	240		mg/L		96	80 - 120

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

Lab Sample ID: 500-239151-6 DU
Matrix: Water
Analysis Batch: 731974

Client Sample ID: G30S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1300			1240		mg/L				3	5

Lab Sample ID: MB 500-732196/1
Matrix: Water
Analysis Batch: 732196

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		mg/L			09/13/23 21:34	1

Lab Sample ID: LCS 500-732196/2
Matrix: Water
Analysis Batch: 732196

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	272		mg/L		109	80 - 120		

Lab Sample ID: 500-239151-7 MS
Matrix: Water
Analysis Batch: 732196

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	790		250	1060		mg/L		110	75 - 125		

Lab Sample ID: 500-239151-7 DU
Matrix: Water
Analysis Batch: 732196

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	790			806		mg/L				2	5

Lab Sample ID: 500-239151-8 DU
Matrix: Water
Analysis Batch: 732196

Client Sample ID: T12S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	810			816		mg/L				0.5	5

Lab Sample ID: MB 500-732629/1
Matrix: Water
Analysis Batch: 732629

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		mg/L			09/18/23 00:54	1

Lab Sample ID: LCS 500-732629/2
Matrix: Water
Analysis Batch: 732629

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

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

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

Lab Sample ID: 500-239151-14 MS
Matrix: Water
Analysis Batch: 732629

Client Sample ID: G45S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	600		250	912		mg/L		123	75 - 125		

Lab Sample ID: 500-239151-14 DU
Matrix: Water
Analysis Batch: 732629

Client Sample ID: G45S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	600			594		mg/L				2	5

Lab Sample ID: MB 500-733073/1
Matrix: Water
Analysis Batch: 733073

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		mg/L			09/19/23 20:38	1

Lab Sample ID: LCS 500-733073/2
Matrix: Water
Analysis Batch: 733073

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: MB 500-734131/1
Matrix: Water
Analysis Batch: 734131

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		mg/L			09/26/23 22:26	1

Lab Sample ID: LCS 500-734131/2
Matrix: Water
Analysis Batch: 734131

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	272		mg/L		109	80 - 120		

Lab Sample ID: MB 500-734545/1
Matrix: Water
Analysis Batch: 734545

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		mg/L			09/29/23 00:50	1

Lab Sample ID: LCS 500-734545/2
Matrix: Water
Analysis Batch: 734545

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	240		mg/L		96	80 - 120		

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-732370/58
Matrix: Water
Analysis Batch: 732370

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/14/23 14:51	1

Lab Sample ID: LCS 500-732370/59
Matrix: Water
Analysis Batch: 732370

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	21.6		mg/L		108	85 - 115

Lab Sample ID: 500-239151-2 MS
Matrix: Water
Analysis Batch: 732370

Client Sample ID: G31S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	190	F1	20.0	209	4	mg/L		74	75 - 125

Lab Sample ID: 500-239151-2 MSD
Matrix: Water
Analysis Batch: 732370

Client Sample ID: G31S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	190	F1	20.0	210	4	mg/L		79	75 - 125	0	20

Lab Sample ID: MB 500-732578/16
Matrix: Water
Analysis Batch: 732578

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/15/23 14:35	1

Lab Sample ID: MB 500-732578/84
Matrix: Water
Analysis Batch: 732578

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/15/23 16:20	1

Lab Sample ID: LCS 500-732578/17
Matrix: Water
Analysis Batch: 732578

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	20.9		mg/L		104	85 - 115

Lab Sample ID: LCS 500-732578/85
Matrix: Water
Analysis Batch: 732578

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	21.1		mg/L		105	85 - 115

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 500-239151-4 MS
Matrix: Water
Analysis Batch: 732578

Client Sample ID: G47S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	F1	20.0	113	4	mg/L		59	75 - 125

Lab Sample ID: 500-239151-4 MSD
Matrix: Water
Analysis Batch: 732578

Client Sample ID: G47S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100	F1	20.0	113	4	mg/L		61	75 - 125	0	20

Lab Sample ID: MB 500-732840/153
Matrix: Water
Analysis Batch: 732840

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/18/23 15:37	1

Lab Sample ID: LCS 500-732840/154
Matrix: Water
Analysis Batch: 732840

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	20.1		mg/L		101	85 - 115

Lab Sample ID: MB 500-733653/4
Matrix: Water
Analysis Batch: 733653

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/22/23 10:40	1

Lab Sample ID: LCS 500-733653/5
Matrix: Water
Analysis Batch: 733653

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.8		mg/L		99	85 - 115

Lab Sample ID: MB 500-734288/16
Matrix: Water
Analysis Batch: 734288

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/27/23 14:00	1

Lab Sample ID: LCS 500-734288/17
Matrix: Water
Analysis Batch: 734288

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	20.3		mg/L		102	85 - 115

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-735348/16
Matrix: Water
Analysis Batch: 735348

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			10/04/23 10:17	1

Lab Sample ID: LCS 500-735348/17
Matrix: Water
Analysis Batch: 735348

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.3		mg/L		97	85 - 115

Lab Sample ID: MB 500-742589/106
Matrix: Water
Analysis Batch: 742589

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/14/23 15:32	1

Lab Sample ID: LCS 500-742589/107
Matrix: Water
Analysis Batch: 742589

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	22.5		mg/L		112	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-732823/31
Matrix: Water
Analysis Batch: 732823

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		mg/L			09/18/23 12:16	1

Lab Sample ID: LCS 500-732823/32
Matrix: Water
Analysis Batch: 732823

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.4		mg/L		104	90 - 119

Lab Sample ID: MB 500-733817/3
Matrix: Water
Analysis Batch: 733817

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		mg/L			09/25/23 08:45	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-733817/4
Matrix: Water
Analysis Batch: 733817

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

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

Lab Sample ID: MB 500-736942/3
Matrix: Water
Analysis Batch: 736942

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		mg/L			10/12/23 15:19	1

Lab Sample ID: LCS 500-736942/4
Matrix: Water
Analysis Batch: 736942

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	9.83		mg/L		98	90 - 119		

Lab Sample ID: 500-239151-17 MS
Matrix: Water
Analysis Batch: 736942

Client Sample ID: T13S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.20	F1	10.0	13.4	F1	mg/L		132	75 - 125		

Lab Sample ID: 500-239151-17 MSD
Matrix: Water
Analysis Batch: 736942

Client Sample ID: T13S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.20	F1	10.0	14.0	F1	mg/L		138	75 - 125	4	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-733315/16
Matrix: Water
Analysis Batch: 733315

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			09/20/23 15:12	1

Lab Sample ID: MB 500-733315/88
Matrix: Water
Analysis Batch: 733315

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			09/20/23 16:22	1

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCS 500-733315/17
Matrix: Water
Analysis Batch: 733315

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	20.3		mg/L		102	88 - 123		

Lab Sample ID: LCS 500-733315/89
Matrix: Water
Analysis Batch: 733315

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	20.1		mg/L		100	88 - 123		

Lab Sample ID: 500-239151-12 MS
Matrix: Water
Analysis Batch: 733315

Client Sample ID: T03S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	220		20.0	248	4	mg/L		122	75 - 125		

Lab Sample ID: 500-239151-12 MSD
Matrix: Water
Analysis Batch: 733315

Client Sample ID: T03S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	220		20.0	249	4	mg/L		124	75 - 125	6	20

Lab Sample ID: MB 500-733424/77
Matrix: Water
Analysis Batch: 733424

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			09/21/23 12:44	1

Lab Sample ID: LCS 500-733424/78
Matrix: Water
Analysis Batch: 733424

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	21.0		mg/L		105	88 - 123		

Lab Sample ID: 500-239151-14 MS
Matrix: Water
Analysis Batch: 733424

Client Sample ID: G45S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	150		20.0	168	4	mg/L		90	75 - 125		

Lab Sample ID: 500-239151-14 MSD
Matrix: Water
Analysis Batch: 733424

Client Sample ID: G45S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	150		20.0	166	4	mg/L		82	75 - 125	1	20

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-735396/16
Matrix: Water
Analysis Batch: 735396

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			10/04/23 16:31	1

Lab Sample ID: 500-239151-24 MS
Matrix: Water
Analysis Batch: 735396

Client Sample ID: G39S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	90		20.0	109	4	mg/L		93	75 - 125

Lab Sample ID: 500-239151-24 MSD
Matrix: Water
Analysis Batch: 735396

Client Sample ID: G39S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	90		20.0	109	4	mg/L		92	75 - 125	0	20

Chain of Custody Record 641396

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Dana Mockler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email:	Lab Contact	Carrier:	____ of ____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below ____			Walk-in Client
Fax.	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3223 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	TDS, Fl, Cl, SO4	Metals, 14 elements + Hg	Sample Specific Notes
1 G205	09/06/23	0948		W	5			1	1	1	1	1	
2 G315	09/06/23	1348		W	5			1	1	1	1	1	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 3.9 Corr'd 3.5 | Therm ID No ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	09/06/23	1513		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EETA	9/6/23 1513

Chain of Custody Record 641397

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockler	Site Contact:	Date	COC No
Company Name. Midwest Generation EME LLC	Tel/Email:	Lab Contact:	Carrier:	_____ of _____ COCs
Address.	Analysis Turnaround Time			Sampler
City/State/Zip Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name Joliet #9 CCR	☐ 1 week			
Site. 3023 - GW + Turbidity	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-239151

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226+228	TDS, Fl, Cl, SO4	Metals 14 elements + Hg	Sample Specific Notes
3 G48S	09/07/23	0938		W	5			/	/	/	/	/	
4 G47S	09/07/23	1103		W	5			/	/	/	/	/	
5 R08S	09/07/23	1255		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.2 Corr'd 3.8 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EET A	09/07/23 1429			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EET A	9/7/23 1429

Chain of Custody Record

668101

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager Diana Mackie	Site Contact	Date.	COC No
Company Name Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier:	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name Joliet #9 CCR	☐ 1 week			
Site 3023 - GW + Turbidity	☐ 2 days			Job / SDG No 500-239151
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	TDS, Cl, SO4	metals 14 elements + Hg	Sample Specific Notes
G30S	09/12/23	1003		GW	5			/	/	/	/	/	
R32S	09/12/23	1137		W	5			/	/	/	/	/	
T12S	09/12/23	1257		W	5			/	/	/	/	/	
G33S	09/12/23	1351		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.1 Corr'd 3.7 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EET A	09/12/23 1537	[signature]		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			[signature]	EET A	9/12/23 1537

Chain of Custody Record

668102

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3022 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239157
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	TDS, Fl, Cl, SO4	Metals 14 elements + Hg	Sample Specific Notes
10 G465	09/13/23	0944		W	5			/	/	/	/	/	
11 G385	09/13/23	1048		W	5			/	/	/	/	/	
12 T035	09/13/23	1145		W	5			/	/	/	/	/	
13 G445	09/13/23	1352		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 5.6 Corr'd 5.2 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EEA	09/13/23 @	1510		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company EEA	Date/Time 9/13/23 1510

Chain of Custody Record

668103

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3923 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	TDS, Fl, Cl, SO4	Metals 14 elements + Hg	Sample Specific Notes
14 G45S	09/14/23	1410		W	5			1	1	1	1	1	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 3.1 Corr'd 2.7 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	09/14/23 e	1525		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EETA	9/14/23 1525

Address _____

_____

_____

500-239151 COC

Chain of Custody Record

668104

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diane Mockler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet #9 CCR, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3Q23 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	TDS, Fl, Cl, SO4	Metals 14 elements + Hg	Sample Specific Notes
5 TO9S	09/19/23	1128		W	5			✓	✓	✓	✓	✓	
6 TO6S	09/19/23	1328		W	5			✓	✓	✓	✓	✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

25+2.1

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	09/19/23	1538		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EETA	9/19/23 1538

Chain of Custody Record

668105

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockbee	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact:	Carrier	____ of ____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3023 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
TISS	09/26/23	1125		W	5			/	/	/	/	/	
DUP of TISS	09/26/23	↓		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.0 Corr'd 4.6 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EET A	09/26/23	1440		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by Laboratory by: [signature]	Company EET A	Date/Time 9/26/23 1440

Chain of Custody Record

668106

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockler	Site Contact.	Date:	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact:	Carrier:	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3Q23 - CW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
T02S	09/27/23	1047		W	5			/	/	/	/	/	
T08S	09/27/23	1224		W	5			/	/	/	/	/	
T05S	09/27/23	1403		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☑ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 1.9 Corr'd 1.8 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	09/27/23 @	1600		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EETA	9/27/23 1600

Chain of Custody Record

668107

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Dana Mockler	Site Contact:	Date:	COC No
Company Name: Midwest Generation EME LLC	Tel/Email:	Lab Contact.	Carrier:	____ of ____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3Q23 - GW + Turbidity	☐ 2 days			Job / SDG No: 239151
P O #	☐ 1 day			500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
22 T11S	09/28/23	0938		W	5			✓	✓	✓	✓	✓	
23 T01S	09/28/23	1127		W	5			✓	✓	✓	✓	✓	
24 G39S	09/28/23	1323		W	5			✓	✓	✓	✓	✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd 5.4 Corr'd 5.2	Therm ID No

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[illegible]	EETA	09/28/23 @ 1440			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			[signature]	EETA	9/28/23 1440

48 gt

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-178823.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/26/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
G48S (500-239151-3)	9/7/23	09:38 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G47S (500-239151-4)	9/7/23	11:03 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R08S (500-239151-5)	9/7/23	12:55 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shri Scott Fedex	9/7/23 1530		Fedex M. Pinette	SEP 0 8 2023 0830	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-178823.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/26/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
G20S (500-239151-1)	9/6/23	09:48 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G31S (500-239151-2)	9/6/23	13:48 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shirl Scott Fedex	9/7/23 1530		Fedex		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			M. Pinette	SEP 08 2023 0830	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

eurofins | Environment Testing America

500-239151 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Chicago

City/State: CITY | STATE IL | Project:

Receipt Information

Date/Time Received: DATE 9-8-23 | TIME 925 | Received By: MC

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☐ Yes	☒ No	*If yes:* Cooler # _____ of _____
Cooler Custody Seals Present? No	☒ Yes	☐ No	*If yes:* Cooler custody seals intact? ☒ Yes ☐
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): — | Corrected Temp (°C): —

Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:	250 mL plastic	
Uncorrected Temp (°C):	0.6	
Corrected Temp (°C):	0.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-178796 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/26/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
G20S (500-239151-1)	9/6/23	09.48 Central		Water			X	X	1	
G31S (500-239151-2)	9/6/23	13.48 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	9/7/23 1530		MC	9-8-23 925	
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-178815 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana Mockler@et.eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/26/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Y - Trizma
	Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
G48S (500-239151-3)	9/7/23	09.38 Central		Water			X	X	1	
G47S (500-239151-4)	9/7/23	11 03 Central		Water			X	X	1	
R08S (500-239151-5)	9/7/23	12.55 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	9/7/23 1530		MC	9-8-23 925	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

eurofins | Environment Testing America

500-239151 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Chicago

City/State: CITY | STATE IL | Project:

Receipt Information

Date/Time Received: DATE 9-14-23 | TIME 935 | Received By: ML

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☐ Yes	☒ No	*If yes:* Cooler # _____ of _____
Cooler Custody Seals Present? No	☒ Yes	☐ No	*If yes:* Cooler custody seals intact? ☒ Yes ☐
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.1 | Corrected Temp (°C): 0.1

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179016 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/26/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
G30S (500-239151-6)	9/12/23	10 03 Central		Water			X	X	1	
R32S (500-239151-7)	9/12/23	11 37 Central		Water			X	X	1	
T12S (500-239151-8)	9/12/23	12.57 Central		Water			X	X	1	
G33S (500-239151-9)	9/12/23	13 51 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Rhin Krotte	Date/Time: 9/13/23 1520	Company	Received by: MC	Date/Time: 9-14-23 935	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179041 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana Mockler@et.eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/26/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
G46S (500-239151-10)	9/13/23	09 44 Central		Water			X	X	1	
G38s (500-239151-11)	9/13/23	10 48 Central		Water			X	X	1	
T03S (500-239151-12)	9/13/23	11.45 Central		Water			X	X	1	
G44S (500-239151-13)	9/13/23	13.52 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ______ Months*

Deliverable Requested I, II, III, IV, Other (specify) — Primary Deliverable Rank. 2
Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:		
Relinquished by: Phil Scott	Date/Time: 9/13/23 1520	Company	Received by: mc	Date/Time: 9-14-23 935	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No		Cooler Temperature(s) °C and Other Remarks:		

eurofins | Environment Testing America

500-239151 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Chicago

City/State: CITY | STATE IL | Project:

Receipt Information

Date/Time Received: DATE 9-15-23 | TIME 0000 | Received By: MC

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☐ Yes	☒ No	*If yes:* Cooler # _____ of _____
Cooler Custody Seals Present? No	☒ Yes	☐ No	*If yes:* Cooler custody seals intact? ☒ Yes ☐
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: T | Correction Factor (°C): 0

Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): — | Corrected Temp (°C): —

Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:	250 mL plastic	
Uncorrected Temp (°C):	0.6	
Corrected Temp (°C):	0.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179083 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana Mockler@et.eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/26/2023			
City: Cedar Falls	TAT Requested (days):			
State Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
S45S (500-239151-14)	9/14/23	14 10 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
1	Stephanie Hernandez	9/14/23 1600	EEA	SJ	9/15/23 1000	
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Chicago (rev. 1)

eurofins | Environment Testing America

500-239151 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Chicago

City/State: CITY | STATE PL | Project:

Receipt Information

Date/Time Received: DATE 9/26/23 | TIME 0915 | Received By: [illegible]

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☐ Yes	☒ No	*If yes:* Cooler # _____ of _____
Cooler Custody Seals Present? No	☒ Yes	☐ No	*If yes:* Cooler custody seals intact? ☒ Yes ☐
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): +0.0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL 250 Nalgene	
Uncorrected Temp (°C):	0.5	
Corrected Temp (°C):	0.5	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179219 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana Mockler@et.eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/26/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
				Preservation Code:						
T09S (500-239151-15)	9/19/23	11:28 Central		Water			X	X	1	
T06S (500-239151-16)	9/19/23	13:28 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ______ Months*

Deliverable Requested I, II, III, IV, Other (specify) — Primary Deliverable Rank. 2

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9/19/23 1555		ML	9-20-23 915	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks:

eurofins | Environment Testing America

500-239151 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Eurofins Chicago

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 9-27-23 | TIME 0920 | Received By: MY

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☐ Yes	☒ No	*If yes:* Cooler ID:
Multiple Coolers?	☐ Yes	☒ No	*If yes:* Cooler # _____ of _____
Cooler Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☐ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☒ NONE

Thermometer ID: T | Correction Factor (°C): 0

Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:	Plastic 250 Nitric →	→
Uncorrected Temp (°C):	18.6	17.9
Corrected Temp (°C):	18.6	17.9

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179498 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/26/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
T13S (500-239151-17)	9/26/23	11:25 Central		Water			X	X	1	
DUP of T13S (500-239151-18)	9/26/23	11:25 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Brandi	9/26/23 1540	EETA			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				9/27/23 0920	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

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500-239151 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Eurofins Chicago

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 9-28-23 | TIME 0925 | Received By: MY

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # _____ of _____

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: T | Correction Factor (°C): 0

Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C):	Corrected Temp (°C):

Sample Container Temperature

Container(s) used:	CONTAINER 1: Plastic 250 NT	CONTAINER 2: Plastic 250 Mimic
Uncorrected Temp (°C):	3.0	3.5
Corrected Temp (°C):	3.0	3.5

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179529 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 9/26/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
T02S (500-239151-19)	9/27/23	10 47 Central		Water			X	X	1	
T08S (500-239151-20)	9/27/23	12:24 Central		Water			X	X	1	
T05S (500-239151-21)	9/27/23	14 03 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
1	[signature]	9/27/23 1625	EEA	[signature]	9-28-23 0925	Eurofins
2	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
3	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

eurofins | Environment Testing America

500-239151 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: TA Chicago

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 9/29/23 | TIME 0930 | Received By: JJ

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☐ Yes	☒ No	*If yes:* Cooler ID:
Multiple Coolers?	☐ Yes	☒ No	*If yes:* Cooler # _____ of _____
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☐ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☐ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☒ NONE

Thermometer ID: R | Correction Factor (°C): 0

Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:	pl250ml	
Uncorrected Temp (°C):	1.6	
Corrected Temp (°C):	1.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179566 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 3019 Venture Way, ,	Due Date Requested: 10/3/2023			
City: Cedar Falls	TAT Requested (days):			
State, Zip: IA, 50613				
Phone: 319-277-2401(Tel) 319-277-2425(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020B/3005A (MOD) 14 elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
T11S (500-239151-22)	9/28/23	09.38 Central		Water			X	X	1	
T01S (500-239151-23)	9/28/23	11:27 Central		Water			X	X	1	
G39S (500-239151-24)	9/28/23	13:23 Central		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by: [signature]	Date/Time: 9/29/23 1515	Company	Received by: [signature]	Date/Time: 9.29.23 930	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-1

Login Number: 239151
List Number: 1
Creator: Schmidt, Kara

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5,3.8,3.7,5.2,2.7,2.1,4.6,1.8,5.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-1

Login Number: 239151
List Number: 3
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls
List Creation: 09/08/23 01:17 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-1

Login Number: 239151
List Number: 4
Creator: Costello, Mackenzie K

List Source: Eurofins Cedar Falls
List Creation: 09/14/23 11:27 AM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-1

Login Number: 239151
List Number: 7
Creator: Tucker, Sarah L

List Source: Eurofins Cedar Falls
List Creation: 09/15/23 11:44 AM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-1

Login Number: 239151
List Number: 8
Creator: Costello, Mackenzie K

List Source: Eurofins Cedar Falls
List Creation: 09/20/23 10:44 AM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-1

Login Number: 239151
List Number: 11
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls
List Creation: 09/27/23 11:39 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Not in a cooler
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	Thermal preservation not required.
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-1

Login Number: 239151
List Number: 12
Creator: Yang, Mary E

List Source: Eurofins Cedar Falls
List Creation: 09/28/23 10:13 AM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-1

Login Number: 239151
List Number: 14
Creator: Costello, Mackenzie K

List Source: Eurofins Cedar Falls
List Creation: 09/29/23 10:09 AM

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

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G20S

Date Collected: 09/06/23 09:48
Date Received: 09/06/23 15:13

Lab Sample ID: 500-239151-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400336	DHM5	EET CF	09/21/23 17:46
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400466	DHM5	EET CF	09/22/23 13:35
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400668	DHM5	EET CF	09/25/23 14:36
Total/NA	Prep	7470A			399305	NFT2	EET CF	09/12/23 11:54
Total/NA	Analysis	7470A		1	399463	NFT2	EET CF	09/13/23 11:51
Total/NA	Analysis	SM 2540C		1	731084	CLB	EET CHI	09/06/23 20:55
Total/NA	Analysis	SM 4500 Cl- E		1	742589	PFK	EET CHI	09/14/23 15:34
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:02
Total/NA	Analysis	SM 4500 SO4 E		2	733315	TR	EET CHI	09/20/23 15:37
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/06/23 09:48

Client Sample ID: G31S

Date Collected: 09/06/23 13:48
Date Received: 09/06/23 15:13

Lab Sample ID: 500-239151-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400336	DHM5	EET CF	09/21/23 17:50
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400466	DHM5	EET CF	09/22/23 13:39
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400668	DHM5	EET CF	09/25/23 14:39
Total/NA	Prep	7470A			399305	NFT2	EET CF	09/12/23 11:54
Total/NA	Analysis	7470A		1	399463	NFT2	EET CF	09/13/23 11:54
Total/NA	Analysis	SM 2540C		1	731084	CLB	EET CHI	09/06/23 21:02
Total/NA	Analysis	SM 4500 Cl- E		10	732370	TR	EET CHI	09/14/23 15:16
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:06
Total/NA	Analysis	SM 4500 SO4 E		20	733315	TR	EET CHI	09/20/23 15:36
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/06/23 13:48

Client Sample ID: G48S

Date Collected: 09/07/23 09:38
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400336	DHM5	EET CF	09/21/23 17:54
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400466	DHM5	EET CF	09/22/23 13:42
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		4	400668	DHM5	EET CF	09/25/23 14:41

Client Sample ID: G48S

Lab Sample ID: 500-239151-3

Date Collected: 09/07/23 09:38

Matrix: Water

Date Received: 09/07/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			399305	NFT2	EET CF	09/12/23 11:54
Total/NA	Analysis	7470A		1	399463	NFT2	EET CF	09/13/23 11:56
Total/NA	Analysis	SM 2540C		1	731311	CLB	EET CHI	09/07/23 21:13
Total/NA	Analysis	SM 4500 Cl- E		5	732578	TR	EET CHI	09/15/23 15:09
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:11
Total/NA	Analysis	SM 4500 SO4 E		10	733315	TR	EET CHI	09/20/23 15:39
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/07/23 09:38

Client Sample ID: G47S

Lab Sample ID: 500-239151-4

Date Collected: 09/07/23 11:03

Matrix: Water

Date Received: 09/07/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400336	DHM5	EET CF	09/21/23 17:57
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		4	400466	DHM5	EET CF	09/22/23 13:45
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		4	400668	DHM5	EET CF	09/25/23 14:43
Total/NA	Prep	7470A			399305	NFT2	EET CF	09/12/23 11:54
Total/NA	Analysis	7470A		1	399463	NFT2	EET CF	09/13/23 11:58
Total/NA	Analysis	SM 2540C		1	731311	CLB	EET CHI	09/07/23 21:16
Total/NA	Analysis	SM 4500 Cl- E		5	732578	TR	EET CHI	09/15/23 15:09
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:15
Total/NA	Analysis	SM 4500 SO4 E		10	733315	TR	EET CHI	09/20/23 15:39
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/07/23 11:03

Client Sample ID: R08S

Lab Sample ID: 500-239151-5

Date Collected: 09/07/23 12:55

Matrix: Water

Date Received: 09/07/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		1	400336	DHM5	EET CF	09/21/23 18:01
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		4	400466	DHM5	EET CF	09/22/23 13:49
Total Recoverable	Prep	3005A			399206	KCK5	EET CF	09/12/23 09:40
Total Recoverable	Analysis	6020B		4	400668	DHM5	EET CF	09/25/23 14:45
Total/NA	Prep	7470A			399305	NFT2	EET CF	09/12/23 11:54
Total/NA	Analysis	7470A		1	399463	NFT2	EET CF	09/13/23 12:00
Total/NA	Analysis	SM 2540C		1	731311	CLB	EET CHI	09/07/23 21:19
Total/NA	Analysis	SM 4500 Cl- E		2	732578	TR	EET CHI	09/15/23 15:09
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:20

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: R08S
Date Collected: 09/07/23 12:55
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		10	733315	TR	EET CHI	09/20/23 15:37
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/07/23 12:55

Client Sample ID: G30S
Date Collected: 09/12/23 10:03
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 18:19
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:05
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:32
Total/NA	Analysis	SM 2540C		1	731974	CLB	EET CHI	09/12/23 20:30
Total/NA	Analysis	SM 4500 Cl- E		5	732578	TR	EET CHI	09/15/23 15:10
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:25
Total/NA	Analysis	SM 4500 SO4 E		10	733315	TR	EET CHI	09/20/23 15:37
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/12/23 10:03

Client Sample ID: R32S
Date Collected: 09/12/23 11:37
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 18:23
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:08
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:34
Total/NA	Analysis	SM 2540C		1	732196	CLB	EET CHI	09/13/23 21:39
Total/NA	Analysis	SM 4500 Cl- E		2	732578	TR	EET CHI	09/15/23 15:09
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:29
Total/NA	Analysis	SM 4500 SO4 E		20	733315	TR	EET CHI	09/20/23 15:34
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/12/23 11:37

Client Sample ID: T12S
Date Collected: 09/12/23 12:57
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 18:26

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T12S

Lab Sample ID: 500-239151-8

Date Collected: 09/12/23 12:57
Date Received: 09/12/23 15:37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:10
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		4	401213	A6US	EET CF	10/02/23 12:31
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:36
Total/NA	Analysis	SM 2540C		1	732196	CLB	EET CHI	09/13/23 21:46
Total/NA	Analysis	SM 4500 Cl- E		2	732578	TR	EET CHI	09/15/23 15:10
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:34
Total/NA	Analysis	SM 4500 SO4 E		20	733315	TR	EET CHI	09/20/23 15:35
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/12/23 12:57

Client Sample ID: G33S

Lab Sample ID: 500-239151-9

Date Collected: 09/12/23 13:51
Date Received: 09/12/23 15:37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 18:29
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:26
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:38
Total/NA	Analysis	SM 2540C		1	732196	CLB	EET CHI	09/13/23 21:52
Total/NA	Analysis	SM 4500 Cl- E		1	732578	TR	EET CHI	09/15/23 15:56
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:49
Total/NA	Analysis	SM 4500 SO4 E		2	733315	TR	EET CHI	09/20/23 16:46
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/12/23 13:51

Client Sample ID: G46S

Lab Sample ID: 500-239151-10

Date Collected: 09/13/23 09:44
Date Received: 09/13/23 15:10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 18:33
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:28
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		4	401213	A6US	EET CF	10/02/23 12:33
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:41
Total/NA	Analysis	SM 2540C		1	732196	CLB	EET CHI	09/13/23 21:54
Total/NA	Analysis	SM 4500 Cl- E		2	732578	TR	EET CHI	09/15/23 16:38

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G46S

Date Collected: 09/13/23 09:44
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-10

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	732823	EH	EET CHI	09/18/23 13:53
Total/NA	Analysis	SM 4500 SO4 E		20	733315	TR	EET CHI	09/20/23 15:35
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/13/23 09:44

Client Sample ID: G38S

Date Collected: 09/13/23 10:48
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 18:36
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:30
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		4	401213	A6US	EET CF	10/02/23 12:36
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:43
Total/NA	Analysis	SM 2540C		1	732196	CLB	EET CHI	09/13/23 21:57
Total/NA	Analysis	SM 4500 Cl- E		2	732578	TR	EET CHI	09/15/23 16:39
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 13:58
Total/NA	Analysis	SM 4500 SO4 E		10	733315	TR	EET CHI	09/20/23 16:46
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/13/23 10:48

Client Sample ID: T03S

Date Collected: 09/13/23 11:45
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:32
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:45
Total/NA	Analysis	SM 2540C		1	732196	CLB	EET CHI	09/13/23 21:59
Total/NA	Analysis	SM 4500 Cl- E		5	732578	TR	EET CHI	09/15/23 16:39
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 14:03
Total/NA	Analysis	SM 4500 SO4 E		10	733315	TR	EET CHI	09/20/23 15:43
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/13/23 11:45

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: G44S
Date Collected: 09/13/23 13:52
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 18:43
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:34
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:51
Total/NA	Analysis	SM 2540C		1	732196	CLB	EET CHI	09/13/23 22:02
Total/NA	Analysis	SM 4500 Cl- E		2	732578	TR	EET CHI	09/15/23 16:39
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 14:07
Total/NA	Analysis	SM 4500 SO4 E		5	733315	TR	EET CHI	09/20/23 15:37
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/13/23 13:52

Client Sample ID: G45S
Date Collected: 09/14/23 14:10
Date Received: 09/14/23 15:25

Lab Sample ID: 500-239151-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 18:46
Total Recoverable	Prep	3005A			399746	KCK5	EET CF	09/18/23 10:00
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 17:37
Total/NA	Prep	7470A			399840	NFT2	EET CF	09/18/23 10:47
Total/NA	Analysis	7470A		1	399998	NFT2	EET CF	09/19/23 11:53
Total/NA	Analysis	SM 2540C		1	732629	CLB	EET CHI	09/18/23 00:59
Total/NA	Analysis	SM 4500 Cl- E		10	732840	TR	EET CHI	09/18/23 16:01
Total/NA	Analysis	SM 4500 F C		1	732823	EH	EET CHI	09/18/23 14:12
Total/NA	Analysis	SM 4500 SO4 E		10	733424	TR	EET CHI	09/21/23 13:03
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/14/23 14:10

Client Sample ID: T09S
Date Collected: 09/19/23 11:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			400150	KCK5	EET CF	09/21/23 09:25
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 20:54
Total Recoverable	Prep	3005A			400150	KCK5	EET CF	09/21/23 09:25
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 16:17
Total Recoverable	Prep	3005A			400150	KCK5	EET CF	09/21/23 09:25
Total Recoverable	Analysis	6020B		4	401865	A6US	EET CF	10/08/23 18:51
Total/NA	Prep	7470A			400381	NFT2	EET CF	09/22/23 10:16
Total/NA	Analysis	7470A		1	400565	NFT2	EET CF	09/25/23 10:08
Total/NA	Analysis	SM 2540C		1	733073	CLB	EET CHI	09/19/23 20:53
Total/NA	Analysis	SM 4500 Cl- E		2	733653	TR	EET CHI	09/22/23 11:15

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T09S

Date Collected: 09/19/23 11:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-15

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	733817	EH	EET CHI	09/25/23 09:47
Total/NA	Analysis	SM 4500 SO4 E		20	733315	TR	EET CHI	09/20/23 15:36
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/19/23 11:28

Client Sample ID: T06S

Date Collected: 09/19/23 13:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			400150	KCK5	EET CF	09/21/23 09:25
Total Recoverable	Analysis	6020B		1	401097	ZRI4	EET CF	09/29/23 21:03
Total Recoverable	Prep	3005A			400150	KCK5	EET CF	09/21/23 09:25
Total Recoverable	Analysis	6020B		1	401128	A6US	EET CF	09/30/23 16:23
Total Recoverable	Prep	3005A			400150	KCK5	EET CF	09/21/23 09:25
Total Recoverable	Analysis	6020B		1	401865	A6US	EET CF	10/08/23 18:58
Total/NA	Prep	7470A			400381	NFT2	EET CF	09/22/23 10:16
Total/NA	Analysis	7470A		1	400565	NFT2	EET CF	09/25/23 10:14
Total/NA	Analysis	SM 2540C		1	733073	CLB	EET CHI	09/19/23 20:56
Total/NA	Analysis	SM 4500 Cl- E		1	733653	TR	EET CHI	09/22/23 10:43
Total/NA	Analysis	SM 4500 F C		1	733817	EH	EET CHI	09/25/23 09:52
Total/NA	Analysis	SM 4500 SO4 E		5	733315	TR	EET CHI	09/20/23 15:36
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/19/23 13:28

Client Sample ID: T13S

Date Collected: 09/26/23 11:25
Date Received: 09/26/23 14:40

Lab Sample ID: 500-239151-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		1	402020	A6US	EET CF	10/09/23 15:47
Total/NA	Prep	7470A			401252	NFT2	EET CF	10/03/23 08:03
Total/NA	Analysis	7470A		1	401339	NFT2	EET CF	10/03/23 13:22
Total/NA	Analysis	SM 2540C		1	734131	CLB	EET CHI	09/26/23 22:31
Total/NA	Analysis	SM 4500 Cl- E		1	734288	TR	EET CHI	09/27/23 14:01
Total/NA	Analysis	SM 4500 F C		1	736942	SO	EET CHI	10/12/23 15:29
Total/NA	Analysis	SM 4500 SO4 E		10	735396	TR	EET CHI	10/04/23 16:40
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/26/23 11:25

Client Sample ID: T13S Dup

Lab Sample ID: 500-239151-18

Date Collected: 09/26/23 11:25

Matrix: Water

Date Received: 09/26/23 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		1	402020	A6US	EET CF	10/09/23 16:03
Total/NA	Prep	7470A			401252	NFT2	EET CF	10/03/23 08:03
Total/NA	Analysis	7470A		1	401339	NFT2	EET CF	10/03/23 13:24
Total/NA	Analysis	SM 2540C		1	734131	CLB	EET CHI	09/26/23 22:33
Total/NA	Analysis	SM 4500 Cl- E		1	734288	TR	EET CHI	09/27/23 14:01
Total/NA	Analysis	SM 4500 F C		1	736942	SO	EET CHI	10/12/23 15:42
Total/NA	Analysis	SM 4500 SO4 E		10	735396	TR	EET CHI	10/04/23 16:40
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/26/23 11:25

Client Sample ID: T02S

Lab Sample ID: 500-239151-19

Date Collected: 09/27/23 10:47

Matrix: Water

Date Received: 09/27/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		1	402020	A6US	EET CF	10/09/23 16:06
Total/NA	Prep	7470A			401252	NFT2	EET CF	10/03/23 08:03
Total/NA	Analysis	7470A		1	401339	NFT2	EET CF	10/03/23 13:35
Total/NA	Analysis	SM 2540C		1	734545	CLB	EET CHI	09/29/23 01:36
Total/NA	Analysis	SM 4500 Cl- E		10	735348	TR	EET CHI	10/04/23 10:41
Total/NA	Analysis	SM 4500 F C		1	736942	SO	EET CHI	10/12/23 15:46
Total/NA	Analysis	SM 4500 SO4 E		10	735396	TR	EET CHI	10/04/23 16:40
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/27/23 10:47

Client Sample ID: T08S

Lab Sample ID: 500-239151-20

Date Collected: 09/27/23 12:24

Matrix: Water

Date Received: 09/27/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		1	402020	A6US	EET CF	10/09/23 16:10
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		7	402075	A6US	EET CF	10/10/23 12:17
Total/NA	Prep	7470A			401252	NFT2	EET CF	10/03/23 08:03
Total/NA	Analysis	7470A		1	401339	NFT2	EET CF	10/03/23 13:37
Total/NA	Analysis	SM 2540C		1	734545	CLB	EET CHI	09/29/23 01:39
Total/NA	Analysis	SM 4500 Cl- E		20	735348	TR	EET CHI	10/04/23 10:39
Total/NA	Analysis	SM 4500 F C		1	736942	SO	EET CHI	10/12/23 15:51
Total/NA	Analysis	SM 4500 SO4 E		10	735396	TR	EET CHI	10/04/23 16:41
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/27/23 12:24

Client Sample ID: T05S

Lab Sample ID: 500-239151-21

Date Collected: 09/27/23 14:03

Matrix: Water

Date Received: 09/27/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		1	402020	A6US	EET CF	10/09/23 16:26
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		10	402075	A6US	EET CF	10/10/23 12:21
Total/NA	Prep	7470A			401252	NFT2	EET CF	10/03/23 08:03
Total/NA	Analysis	7470A		1	401339	NFT2	EET CF	10/03/23 13:39
Total/NA	Analysis	SM 2540C		1	734545	CLB	EET CHI	09/29/23 01:41
Total/NA	Analysis	SM 4500 Cl- E		10	735348	TR	EET CHI	10/04/23 10:41
Total/NA	Analysis	SM 4500 F C		1	736942	SO	EET CHI	10/12/23 15:55
Total/NA	Analysis	SM 4500 SO4 E		20	735396	TR	EET CHI	10/04/23 16:56
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/27/23 14:03

Client Sample ID: T11S

Lab Sample ID: 500-239151-22

Date Collected: 09/28/23 09:38

Matrix: Water

Date Received: 09/28/23 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		1	402020	A6US	EET CF	10/09/23 16:30
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		4	402075	A6US	EET CF	10/10/23 12:23
Total/NA	Prep	7470A			401252	NFT2	EET CF	10/03/23 08:03
Total/NA	Analysis	7470A		1	401339	NFT2	EET CF	10/03/23 13:42
Total/NA	Analysis	SM 2540C		1	734545	CLB	EET CHI	09/29/23 01:44
Total/NA	Analysis	SM 4500 Cl- E		1	735348	TR	EET CHI	10/04/23 10:19
Total/NA	Analysis	SM 4500 F C		1	736942	SO	EET CHI	10/12/23 15:59
Total/NA	Analysis	SM 4500 SO4 E		10	735396	TR	EET CHI	10/04/23 16:41
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/28/23 09:38

Client Sample ID: T01S

Lab Sample ID: 500-239151-23

Date Collected: 09/28/23 11:27

Matrix: Water

Date Received: 09/28/23 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		1	402020	A6US	EET CF	10/09/23 16:33
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		4	402075	A6US	EET CF	10/10/23 12:25
Total/NA	Prep	7470A			401252	NFT2	EET CF	10/03/23 08:03
Total/NA	Analysis	7470A		1	401339	NFT2	EET CF	10/03/23 13:44
Total/NA	Analysis	SM 2540C		1	734545	CLB	EET CHI	09/29/23 01:46
Total/NA	Analysis	SM 4500 Cl- E		20	735348	TR	EET CHI	10/04/23 10:39
Total/NA	Analysis	SM 4500 F C		1	736942	SO	EET CHI	10/12/23 16:15

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-1

Client Sample ID: T01S

Lab Sample ID: 500-239151-23

Date Collected: 09/28/23 11:27
Matrix: Water
Date Received: 09/28/23 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		10	735396	TR	EET CHI	10/04/23 16:41
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/28/23 11:27

Client Sample ID: G39S

Lab Sample ID: 500-239151-24

Date Collected: 09/28/23 13:23
Matrix: Water
Date Received: 09/28/23 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		1	402020	A6US	EET CF	10/09/23 16:37
Total Recoverable	Prep	3005A			401223	KCK5	EET CF	10/03/23 09:05
Total Recoverable	Analysis	6020B		4	402075	A6US	EET CF	10/10/23 12:28
Total/NA	Prep	7470A			401252	NFT2	EET CF	10/03/23 08:03
Total/NA	Analysis	7470A		1	401339	NFT2	EET CF	10/03/23 13:46
Total/NA	Analysis	SM 2540C		1	734545	CLB	EET CHI	09/29/23 01:49
Total/NA	Analysis	SM 4500 Cl- E		1	735348	TR	EET CHI	10/04/23 10:19
Total/NA	Analysis	SM 4500 F C		1	736942	SO	EET CHI	10/12/23 16:19
Total/NA	Analysis	SM 4500 SO4 E		10	735396	TR	EET CHI	10/04/23 16:42
Total/NA	Analysis	Field Sampling		1	731481	JVB	EET CHI	09/28/23 13:23

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G20S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-1

Type Sample: (circle one) Ground Water | Surface Water | Leachate | Other: _____

Equipment Used:
Purging: Bladder Pump — Dedicated (Y/N)
Sampling: Bladder Pump — Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/06/23 Start Purge: 0930 (2400 Hr. Clock) End Purge: 0948

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.78 (ft)
Ref. Measuring Pt. TIC
Well Elevation *580.87 (ft./msl)
Water Level 58.35 (ft.)
Ground Water Elev. ~~522.52~~ 522.52 (ft./msl)
Well Bottom Elevation *442.28 calculated (ft./msl)

	1st	2nd	Final	
pH	7.45	7.47	7.47	(std.)
SC	700	705	705	(umhos/cm)
Temp.	24.90	24.96	24.96	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 74°F, Mostly Cloudy, SW winds 10-15 mph
Turbidity: 1.17 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 58.35 - 2.78 = 55.57 (ft)
Levels were taken on 09/06/23 @ 0920.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-2

Type Sample: (circle one) Ground Water Surface Water Leachate Other:
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/06/23 Start Purge: 1335 (2400 Hr. Clock) End Purge: 1348

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.59

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.58 (ft)
Ref. Measuring Pt. TIC
Well Elevation *535.73 (ft./msl)
Water Level 28.97 (ft.)
Ground Water Elev. 506.76 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

	1st	2nd	Final	
pH	7.45	7.42	7.42	(std.)
SC	1760	1750	1750	(umhos/cm)
Temp.	16.42	16.40	16.40	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 78°F, Mostly Cloudy, W winds @ 10-15 mph
Turbidity: 0.65 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 28.97 - 2.58 = 26.39 (ft.)
Levels were taken on 09/06/23 @ 1330

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins
Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-3

Type Sample: (circle one) (Ground Water) Surface Water Leachate Other: _____

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/01/23 Start Purge: 0920 (2400 Hr. Clock) End Purge: 0938

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 4.0 (inches)

Stick Up 2.45 (ft)

Ref. Measuring Pt. TIC

Well Elevation *620.77 (ft./msl)

Water Level 103.25 (ft.)

Ground Water Elev. 517.52 (ft./msl)

Well Bottom Elevation *468.32 (ft./msl)

	1st	2nd	Final	
pH	7.74	7.75	7.75	(std.)
SC	1455	1450	1450	(umhos/cm)
Temp.	15.46	15.47	15.47	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor

Weather Conditions: 66°F, Cloudy, N winds e 5-10 mph

Turbidity: 1.56 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 103.25 - 2.45 = 100.80 (ft)

Levels were taken on 09/01/23 @ 0915.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins
Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-4

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/07/23 Start Purge: 1045 (2400 Hr. Clock) End Purge: 1103

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 4.0 (inches)
Stick Up 2.50 (ft)
Ref. Measuring Pt. TIC
Well Elevation *612.23 (ft./msl)
Water Level 95.26 (ft.)
Ground Water Elev. 516.97 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

	1st	2nd	Final	
pH	7.75	7.77	7.77	(std.)
SC	1600	1590	1590	(umhos/cm)
Temp.	14.66	14.62	14.62	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 68°F, Cloudy, N wind se 5-10 mph
Turbidity: 0.18 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 95.26 - 2.50 = 92.76 (A)
Levels were taken on 09/07/23 @ 1040.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-5

Type Sample: (circle one) Ground Water | Surface Water | Leachate | Other: _____

Equipment Used:
Purging: Bladder Pump — Dedicated (Y/N)
Sampling: Bladder Pump — Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/07/23 Start Purge: 1240 (2400 Hr. Clock) End Purge: 1255

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.55 (ft)
Ref. Measuring Pt. TIC
Well Elevation *578.66 (ft./msl)
Water Level 69.85 (ft.)
Ground Water Elev. 508.81 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

	1st	2nd	Final	
pH	8.06	8.05	8.05	(std.)
SC	1048	1,044	1,044	(umhos/cm)
Temp.	14.23	14.26	14.26	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 69°F, Cloudy, NW winds e 0-5 mph
Turbidity: 0.15 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 69.85 - 2.55 = 67.30 (ft)
Levels were taken on 09/07/23 @ 1235

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500 - 239151 - 1

Type Sample: (circle one) Ground Water Surface Water Leachate Other:

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/12/23 Start Purge: 0945 (2400 Hr. Clock) End Purge: 1003

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.31 (ft)

Ref. Measuring Pt. TIC

Well Elevation *524.86 (ft./msl)

Water Level 2.06 (ft.)

Ground Water Elev. 522.80 (ft./msl)

Well Bottom Elevation *462.58 (ft./msl)

	1st	2nd	Final	
pH	7.69	7.67	7.67	(std.)
SC	1,940	1,930	1,930	(umhos/cm)
Temp.	14.36	14.38	14.38	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor

Weather Conditions: 61°F, Cloudy, NE winds 0-5 mph

Turbidity: 0.71 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 2.06 - 2.31 = -0.25 (ft.)

Levels were taken on 09/12/23 @ 0940.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-7

Type Sample: (circle one) (Ground Water) Surface Water Leachate Other:
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/12/23 Start Purge: 1118 (2400 Hr. Clock) End Purge: 1137

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.03 (ft)
Ref. Measuring Pt. TIC
Well Elevation *536.97 (ft./msl)
Water Level 22.34 (ft.)
Ground Water Elev. 514.63 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

	1st	2nd	Final	
pH	7.62	7.60	7.60	(std.)
SC	921	921	921	(umhos/cm)
Temp.	12.58	12.59	12.59	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 66°F, Cloudy, NW winds 5-10 mph
Turbidity: 0.52 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 22.34 - 2.03 = 20.31 (ft.)
Levels were taken on 09/12/23 @ 1113 .

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins
Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T12S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-8

Type Sample: (Ground Water) Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/12/23 Start Purge: 1245 (2400 Hr. Clock) End Purge: 1257

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.74 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 578.74 (ft./msl)
Water Level 73.39 (ft.)
Ground Water Elev. 505.35 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

	1st	2nd	Final	
pH	7.46	7.46	7.46	(std.)
SC	1,164	1,166	1,166	(umhos/cm)
Temp.	14.00	13.94	13.94	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, Slight Turbidity, No Odor
Weather Conditions: 67°F, Partly Cloudy, N winds @ 5-10 mph
Turbidity: 3.27 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 73.39 - 2.74 = 70.65 (ft.)
Levels were taken on 09/12/23 @ 1240.
* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-9

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/12/23 NC Start Purge: 1330 (2400 Hr. Clock) End Purge: 1351

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.54

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 1.73 (ft)

Ref. Measuring Pt. TIC

Well Elevation *535.67 (ft./msl)

Water Level 39.06 (ft.)

Ground Water Elev. 496.61 (ft./msl)

Well Bottom Elevation *452.72 (ft./msl)

	1st	2nd	Final	
pH	7.63	7.61	7.61	(std.)
SC	735	741	741	(umhos/cm)
Temp.	21.30	21.21	21.21	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor

Weather Conditions: 68°F, Partly Cloudy, N winds @ 5-10 mph

Turbidity: 776.00 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 39.06 - 1.73 = 37.33 (ft.)

Levels were taken on 09/12/23 NC @ 1325.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-10

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/13/23 Start Purge: 0930 (2400 Hr. Clock) End Purge: 0944

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 4.0 (inches)

Stick Up 2.70 (ft)

Ref. Measuring Pt. TIC

Well Elevation *601.41 (ft./msl)

Water Level 106.12 (ft.)

Ground Water Elev. 495.29 (ft./msl)

Well Bottom Elevation *453.62 (ft./msl)

	1st	2nd	Final	
pH	7.45	7.48	7.48	(std.)
SC	1,307	1,308	1,308	(umhos/cm)
Temp.	14.07	13.84	13.84	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor

Weather Conditions: 61°F, Mostly Cloudy, NW winds 0-5 mph

Turbidity: 113.00 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 106.12 - 2.70 = 103.42 (ft.)

Levels were taken on 09/13/23 @ 0925

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G38S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-11

Type Sample: (circle one) Ground Water | Surface Water | Leachate | Other: _____

Equipment Used:
Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/13/23 Start Purge: 1031 (2400 Hr. Clock) End Purge: 1048

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.66

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.22 (ft)
Ref. Measuring Pt. TIC
Well Elevation *610.59 (ft./msl)
Water Level 98.43 (ft.)
Ground Water Elev. 512.16 (ft./msl)
Well Bottom Elevation *457.57 (ft./msl)

	1st	2nd	Final	
pH	7.75	7.77	7.77	(std.)
SC	1358	1344	1344	(umhos/cm)
Temp.	14.41	14.36	14.36	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 64°F, Fair, NW wind se 0-5 mph
Turbidity: 0.21 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 98.43 - 2.22 = 96.21 (ft)
Levels were taken on 09/13/23 @ 1026.

(Added to Joliet #9 CCR program 3Q23)

Sampler Name (Print): Noe Lopez Signature: NL

FIELD FORM 1

eurofins
Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-12

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/13/23 Start Purge: 1127 (2400 Hr. Clock) End Purge: 1145

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 3.08 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 629.85 (ft./msl)
Water Level 138.60 (ft.)
Ground Water Elev. 491.25 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

	1st	2nd	Final	
pH	7.55	7.56	7.56	(std.)
SC	1297	1307	1307	(umhos/cm)
Temp.	13.22	13.20	13.20	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 68°F, Partly Cloudy, NW winds 5-10 mph
Turbidity: 0.22 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 138.60 - 3.08 = 135.53 (ft.)
Levels were taken on 09/13/23 @ 1122.
* Total Depth = 172.95

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: NL

FIELD FORM 1

eurofins
Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-13

Type Sample: (circle one) (Ground Water) Surface Water Leachate Other:
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/13/23 Start Purge: 1333 (2400 Hr. Clock) End Purge: 1352

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.18 (ft)
Ref. Measuring Pt. TIC
Well Elevation *586.68 (ft./msl)
Water Level 82.75 (ft.)
Ground Water Elev. 503.93 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

	1st	2nd	Final	
pH	7.05	7.01	7.01	(std.)
SC	1154	1152	1152	(umhos/cm)
Temp.	14.39	14.36	14.36	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 70°F, Partly Cloudy, NW winds 5-10 mph
Turbidity: 0.93
Other: *Reference Measurement
Depth To Water from L.S. = 82.75 - 2.18 = 80.57 (ft.)
Levels were taken on 09/13/23 @ 1328.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-14

Type Sample: (circle one) (Ground Water) Surface Water Leachate Other: _____

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/14/23 Start Purge: 1354 (2400 Hr. Clock) End Purge: 1410

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.97 (ft)

Ref. Measuring Pt. TIC

Well Elevation *603.80 (ft./msl)

Water Level 65.12 (ft.)

Ground Water Elev. 538.68 (ft./msl)

Well Bottom Elevation *471.05 (ft./msl)

	1st	2nd	Final	
pH	7.39	7.35	7.35	(std.)
SC	974	974	974	(umhos/cm)
Temp.	15.38	15.43	15.43	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor

Weather Conditions: 71°F, Fair, NE winds e 0-5 mph

Turbidity: 0.97 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 65.12 - 2.97 = 62.15 (ft)

Levels were taken on 09/14/23 @ 1349.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins
Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-15

Type Sample: (circle one) Ground Water Surface Water Leachate Other:
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/19/23 Start Purge: 1110 (2400 Hr. Clock) End Purge: 1128

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.40 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 603.48 (ft./msl)
Water Level 109.68 (ft.)
Ground Water Elev. 493.80 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

	1st	2nd	Final	
pH	7.77	7.74	7.74	(std.)
SC	1284	1289	1289	(umhos/cm)
Temp.	14.12	14.10	14.10	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 60°F, Cloudy, SE winds e 5-10 mph
Turbidity: 33.90 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 109.68 - 2.40 = 107.28 (ft.)
Levels were taken on 09/19/23 @ 1055
* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-1

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/19/23 Start Purge: 1313 (2400 Hr. Clock) End Purge: 1328

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.30 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 621.05 (ft./msl)
Water Level 118.00 (ft.)
Ground Water Elev. 503.05 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

	1st	2nd	Final	
pH	7.29	7.29	7.29	(std.)
SC	785	787	787	(umhos/cm)
Temp.	15.06	15.07	15.07	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 63°F, Mostly Cloudy, SE winds @ 5-10 mph
Turbidity: 0.52 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 118.00 - 2.30 = 115.70 (ft.)
Levels were taken on 09/19/23 @ 1258.
* Total Deth = 173.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-17

Type Sample: (circle one) Ground Water Surface Water Leachate Other:

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/26/23 Start Purge: 1115 (2400 Hr. Clock) End Purge: 1125

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.77

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.76 (ft)

Ref. Measuring Pt. TIC

Well Elevation * 525.33 (ft./msl)

Water Level 20.30 (ft.)

Ground Water Elev. 505.03 (ft./msl)

Well Bottom Elevation * 452.21 (ft./msl)

	1st	2nd	Final	
pH	7.41	7.43	7.43	(std.)
SC	931	928	928	(umhos/cm)
Temp.	15.72	15.68	15.68	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Strong Odor

Weather Conditions: 69°F, Mostly Cloudy, SE winds 5-10 mph

Turbidity: 5.31 NTU

Other: *Reference Measurement (form added 05/08/2023)

Depth To Water from L.S. = 20.30 - 2.76 = 17.54 (ft)

Levels were taken on 09/26/23 @ 1110

* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-18

Type Sample: (circle one) Ground Water | Surface Water | Leachate | Other: _____

Equipment Used:
Purging: Bladder Pump — Dedicated (Y/N)
Sampling: Bladder Pump — Dedicated (Y/N)

PURGING INFORMATION

Purge Date: _____ Start Purge: _____ (2400 Hr. Clock) End Purge: _____

Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

	1st	2nd	Final
Well Diameter 2.0 (inches)			
Stick Up 2.76 (ft)	pH		(std.)
Ref. Measuring Pt. TIC	SC		(umhos/cm)
Well Elevation * 525.33 (ft./msl)	Temp.		(°C)
Water Level _____ (ft.)	Well Stabilization / Recharge Grid		
Ground Water Elev. _____ (ft./msl)			
Well Bottom Elevation * 452.21 (ft./msl)			

COMMENTS

Sample Appearance/Odor: _____

Weather Conditions: _____

Turbidity: _____

Other: *Reference Measurement (form added 05/08/2023)

Depth To Water from L.S. = _____

Levels were taken on _____ @ _____

* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: _____

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-19

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/27/23 Start Purge: 1028 (2400 Hr. Clock) End Purge: 1047

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.33 (ft)

Ref. Measuring Pt. TIC

Well Elevation * 626.12 (ft./msl)

Water Level 136.54 (ft.)

Ground Water Elev. 489.58 (ft./msl)

Well Bottom Elevation * 453.40 (ft./msl)

	1st	2nd	Final	
pH	7.71	7.70	7.70	(std.)
SC	1387	1388	1388	(umhos/cm)
Temp.	16.64	16.63	16.63	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor

Weather Conditions: 64°F, Cloudy, SE winds e 0-5 mph

Turbidity: 65.20 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 136.54 - 2.33 = 134.21 (ft.)

Levels were taken on 09/27/23 @ 1010 .

* Total Depth = 172.75

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-20

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/27/23 Start Purge: 1202 (2400 Hr. Clock) End Purge: 1224

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.38 (ft)

Ref. Measuring Pt. TIC

Well Elevation * 627.55 (ft./msl)

Water Level 131.69 (ft.)

Ground Water Elev. 495.86 (ft./msl)

Well Bottom Elevation * 447.38 (ft./msl)

	1st	2nd	Final	
pH	8.54	8.51	8.51	(std.)
SC	1476	1474	1474	(umhos/cm)
Temp.	17.47	17.41	17.41	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor

Weather Conditions: 68°F, Cloudy, SE winds 5-10 mph

Turbidity: 3.13 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 131.69 - 2.38 = 129.31 (ft.)

Levels were taken on 09/27/23 @ 1147

* Total Deth = 180.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T05S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-21

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/27/23 Start Purge: 1341 (2400 Hr. Clock) End Purge: 1403

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.71

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.40 (ft)

Ref. Measuring Pt. TIC

Well Elevation * 623.50 (ft./msl)

Water Level 125.82 (ft.)

Ground Water Elev. 497.68 (ft./msl)

Well Bottom Elevation * 448.35 (ft./msl)

	1st	2nd	Final	
pH	9.23	9.24	9.24	(std.)
SC	2320	2330	2330	(umhos/cm)
Temp.	20.08	20.10	20.10	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor

Weather Conditions: 70°F, Cloudy, NE winds 0-5 mph

Turbidity: 3.24 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 125.82 - 2.40 = 123.42 (ft.)

Levels were taken on 09/27/23 @ 1326

* Total Deth = 175.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T11S
Facility: Midwest Generation-Joliet 9 CCR
Job #: 500-239151-22

Type Sample: (circle one) (Ground Water) Surface Water Leachate Other:
Equipment Used: Purging Bladder Pump Dedicated (Y/(N))
Sampling Bladder Pump Dedicated (Y/(N))

PURGING INFORMATION

Purge Date: 09/28/23 Start Purge: 0922 (2400 Hr. Clock) End Purge: 0938

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.74 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 559.48 (ft./msl)
Water Level 71.49 (ft.)
Ground Water Elev. 487.99 (ft./msl)
Well Bottom Elevation * 445.60 (ft./msl)

	1st	2nd	Final	
pH	7.74	7.71	7.71	(std.)
SC	913	911	911	(umhos/cm)
Temp.	15.85	15.85	15.85	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 66°F, Cloudy, NE winds e 5-10 mph
Turbidity: 64.90 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 71.49 - 2.74 = 68.75 (ft.)
Levels were taken on 09/28/23 @ 0907
* Total Depth: 113.76

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-23

Type Sample: (circle one) Ground Water | Surface Water | Leachate | Other: _____

Equipment Used:
Purging: Bladder Pump — Dedicated (Y/N)
Sampling: Bladder Pump — Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/28/23 Start Purge: 1111 (2400 Hr. Clock) End Purge: 1127

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.21

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.48 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 621.84 (ft./msl)
Water Level 125.16 (ft.)
Ground Water Elev. 496.68 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

	1st	2nd	Final	
pH	7.85	7.86	7.86	(std.)
SC	1417	1417	1417	(umhos/cm)
Temp.	19.51	19.51	19.51	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, Slight Odor
Weather Conditions: 70°F, Cloudy, NE winds 5-10 mph
Turbidity: 131.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 125.16 - 2.48 = 122.68 (ft)
Levels were taken on 09/28/23 @ 1055
* Total Depth = 170.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins | Environment Testing

Eurofins Chicago
2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G39S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-239151-24

Type Sample: (circle one) (Ground Water) Surface Water Leachate Other: _____

Equipment Used: Purging Bladder Pump Dedicated (Y/N)

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/20/23 Start Purge: 1305 (2400 Hr. Clock) End Purge: 1323

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.08 (ft)

Ref. Measuring Pt. TIC

Well Elevation *598.75 (ft./msl)

Water Level 96.87 (ft.)

Ground Water Elev. 501.88 (ft./msl)

Well Bottom Elevation *454.15 (ft./msl)

	1st	2nd	Final	
pH	7.19	7.21	7.21	(std.)
SC	740	746	746	(umhos/cm)
Temp.	12.91	12.90	12.90	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor

Weather Conditions: 70°F, Cloudy, NE winds 5-10 mph

Turbidity: 1.25 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 96.87 - 2.08 = 94.79 (ft)

Levels were taken on 09/20/23 @ 1300

(Updated: 09-19-2023)

Sampler Name (Print): Noe Lopez Signature: [signature]

FIELD FORM 1

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: John Niedzwiecki
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Generated 10/30/2023 8:15:52 AM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR 3Q23

JOB NUMBER

500-239151-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

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
10/30/2023 8:15:52 AM

Authorized for release by
Diana Mockler, Project Manager I
Diana.Mockler@et.eurofinsus.com
(219)252-7570

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Job ID: 500-239151-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-239151-2

Receipt
The samples were received on 9/6/2023 3:13 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 1.8º C, 2.1º C, 2.7º C, 3.5º C, 3.7º C, 3.8º C, 4.6º C, 5.2º C and 5.2º C.

RAD
Method 903.0: Radium 226 batch 627370
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
G20S (500-239151-1), G31S (500-239151-2), G48S (500-239151-3), G47S (500-239151-4), R08S (500-239151-5), (LCS 160-627370/2-A), (MB 160-627370/1-A) and (500-239151-D-3-A DU)

Methods 903.0, 9315: Radium-226 batch 628180
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
G30S (500-239151-6), R32S (500-239151-7), T12S (500-239151-8), G33S (500-239151-9), G46S (500-239151-10), G38S (500-239151-11), T03S (500-239151-12), G44S (500-239151-13), G45S (500-239151-14), (LCS 160-628180/2-A), (MB 160-628180/1-A), (480-212596-B-2-A), (480-212596-B-2-B MS) and (480-212596-B-2-C MSD)

Methods 903.0, 9315: Radium-226 batch 629146
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
T09S (500-239151-15), T06S (500-239151-16), (LCS 160-629146/2-A), (MB 160-629146/1-A) and (500-239151-D-16-A DU)

Methods 903.0, 9315: Radium-226 629954
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
T13S (500-239151-17), T13S Dup (500-239151-18), (LCS 160-629954/2-A), (MB 160-629954/1-A), (400-243976-A-4-A) and (400-243976-B-4-A DU)

Method 903.0: Radium-226 batch 630347
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
T02S (500-239151-19), T08S (500-239151-20), T05S (500-239151-21), T11S (500-239151-22), T01S (500-239151-23), G39S (500-239151-24), (LCS 160-630347/2-A), (MB 160-630347/1-A) and (500-239151-D-24-A DU)

Method 904.0: Radium-228 batch 627374
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
G20S (500-239151-1), G31S (500-239151-2), G48S (500-239151-3), G47S (500-239151-4), R08S (500-239151-5), (LCS 160-627374/2-A), (MB 160-627374/1-A) and (500-239151-D-3-B DU)

Method 904.0: Radium-228 batch 628181
The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: G33S (500-239151-9). Analytical results are reported with the detection limit achieved.

Job ID: 500-239151-2 (Continued)

Laboratory: Eurofins Chicago (Continued)

Methods 904.0, 9320: Radium-228 batch 628181
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
G30S (500-239151-6), R32S (500-239151-7), T12S (500-239151-8), G33S (500-239151-9), G46S (500-239151-10), G38S (500-239151-11), T03S (500-239151-12), G44S (500-239151-13), G45S (500-239151-14), (LCS 160-628181/2-A), (MB 160-628181/1-A), (480-212596-B-2-D), (480-212596-B-2-E MS) and (480-212596-B-2-F MSD)

Methods 904.0, 9320: Radium-228 batch 629147
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
T09S (500-239151-15), T06S (500-239151-16), (LCS 160-629147/2-A), (MB 160-629147/1-A) and (500-239151-D-16-B DU)

Methods 904.0, 9320: Radium-228 batch 629957
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
T13S (500-239151-17), T13S Dup (500-239151-18), (LCS 160-629957/2-A), (MB 160-629957/1-A), (400-243976-A-4-B) and (400-243976-B-4-B DU)

Method 904.0: Radium-228 batch 630351
The method blank (MB) has activity above the MDC and RL. The following associated samples are either below the reporting limit or clients action limit for the contaminant or exhibit concentrations greater than five (5) times the concentrations observed in the MB), therefore, re-analysis is not required. The data have been reported.

(MB 160-630351/1-A)

Method 904.0: Radium-228 batch 630351
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
(LCS 160-630351/2-A) and (MB 160-630351/1-A)

Method 904.0: Radium-228 batch 630351
The detection goal was not met for the associated samples (MDC > RL). However the detection goal achieved is below the clients action level. No further action is required. Results will be reported

G39S (500-239151-24) and (500-239151-D-24-B DU)

Method 904.0: Radium-228 batch 630351
The method blank (MB) has activity above the MDC and RL. The MB activity as well as the following associated samples are below the clients action level (5 pCi/L) for the contaminant, therefore, re-analysis is not required. The data have been reported.

(MB 160-630351/1-A)

Method 904.0: Radium-228 batch 630351
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
T02S (500-239151-19), T08S (500-239151-20), T05S (500-239151-21), T11S (500-239151-22), T01S (500-239151-23), G39S (500-239151-24) and (500-239151-D-24-B DU)

Method PrecSep_0:

Job ID: 500-239151-2 (Continued)

Laboratory: Eurofins Chicago (Continued)

Method PrecSep_0:

Method PrecSep_0:

Method PrecSep-21:

Method PrecSep-21:

Method PrecSep-21:

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

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
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: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-239151-1	G20S	Water	09/06/23 09:48	09/06/23 15:13
500-239151-2	G31S	Water	09/06/23 13:48	09/06/23 15:13
500-239151-3	G48S	Water	09/07/23 09:38	09/07/23 14:29
500-239151-4	G47S	Water	09/07/23 11:03	09/07/23 14:29
500-239151-5	R08S	Water	09/07/23 12:55	09/07/23 14:29
500-239151-6	G30S	Water	09/12/23 10:03	09/12/23 15:37
500-239151-7	R32S	Water	09/12/23 11:37	09/12/23 15:37
500-239151-8	T12S	Water	09/12/23 12:57	09/12/23 15:37
500-239151-9	G33S	Water	09/12/23 13:51	09/12/23 15:37
500-239151-10	G46S	Water	09/13/23 09:44	09/13/23 15:10
500-239151-11	G38S	Water	09/13/23 10:48	09/13/23 15:10
500-239151-12	T03S	Water	09/13/23 11:45	09/13/23 15:10
500-239151-13	G44S	Water	09/13/23 13:52	09/13/23 15:10
500-239151-14	G45S	Water	09/14/23 14:10	09/14/23 15:25
500-239151-15	T09S	Water	09/19/23 11:28	09/19/23 15:38
500-239151-16	T06S	Water	09/19/23 13:28	09/19/23 15:38
500-239151-17	T13S	Water	09/26/23 11:25	09/26/23 14:40
500-239151-18	T13S Dup	Water	09/26/23 11:25	09/26/23 14:40
500-239151-19	T02S	Water	09/27/23 10:47	09/27/23 16:00
500-239151-20	T08S	Water	09/27/23 12:24	09/27/23 16:00
500-239151-21	T05S	Water	09/27/23 14:03	09/27/23 16:00
500-239151-22	T11S	Water	09/28/23 09:38	09/28/23 14:40
500-239151-23	T01S	Water	09/28/23 11:27	09/28/23 14:40
500-239151-24	G39S	Water	09/28/23 13:23	09/28/23 14:40

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G20S
Date Collected: 09/06/23 09:48
Date Received: 09/06/23 15:13

Lab Sample ID: 500-239151-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.954		0.203	0.221	1.00	0.156	pCi/L	09/11/23 10:01	10/03/23 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*09/11/23 10:01*	*10/03/23 07:41*	*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	1.30		0.532	0.545	1.00	0.669	pCi/L	09/11/23 10:07	09/28/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*09/11/23 10:07*	*09/28/23 11:58*	*1*
Y Carrier	*59.8*		*30 - 110*	*09/11/23 10:07*	*09/28/23 11:58*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.26		0.569	0.588	5.00	0.669	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G31S
Date Collected: 09/06/23 13:48
Date Received: 09/06/23 15:13

Lab Sample ID: 500-239151-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.66		0.260	0.300	1.00	0.119	pCi/L	09/11/23 10:01	10/03/23 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*09/11/23 10:01*	*10/03/23 07:41*	*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	1.36		0.500	0.516	1.00	0.615	pCi/L	09/11/23 10:07	09/28/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*09/11/23 10:07*	*09/28/23 11:58*	*1*
Y Carrier	*77.0*		*30 - 110*	*09/11/23 10:07*	*09/28/23 11:58*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.02		0.564	0.597	5.00	0.615	pCi/L		10/11/23 18:10	1

Client Sample ID: G48S

Date Collected: 09/07/23 09:38
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.667**		0.167	0.177	1.00	0.123	pCi/L	09/11/23 10:01	10/03/23 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*09/11/23 10:01*	*10/03/23 07:41*	*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	0.172	U	0.413	0.413	1.00	0.726	pCi/L	09/11/23 10:07	09/28/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*09/11/23 10:07*	*09/28/23 12:03*	*1*
Y Carrier	*62.8*		*30 - 110*	*09/11/23 10:07*	*09/28/23 12:03*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.839**		0.445	0.449	5.00	0.726	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G47S
Date Collected: 09/07/23 11:03
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.515**		0.165	0.171	1.00	0.174	pCi/L	09/11/23 10:01	10/03/23 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*30 - 110*	*09/11/23 10:01*	*10/03/23 07:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.558	U	0.428	0.432	1.00	0.664	pCi/L	09/11/23 10:07	09/28/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*30 - 110*	*09/11/23 10:07*	*09/28/23 12:04*	*1*
Y Carrier	*76.6*		*30 - 110*	*09/11/23 10:07*	*09/28/23 12:04*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.07**		0.459	0.465	5.00	0.664	pCi/L		10/11/23 18:10	1

Client Sample ID: R08S

Date Collected: 09/07/23 12:55
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.511**		0.166	0.172	1.00	0.176	pCi/L	09/11/23 10:01	10/03/23 07:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*09/11/23 10:01*	*10/03/23 07:41*	*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	0.439	U	0.357	0.360	1.00	0.558	pCi/L	09/11/23 10:07	09/28/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*09/11/23 10:07*	*09/28/23 12:04*	*1*
Y Carrier	*84.9*		*30 - 110*	*09/11/23 10:07*	*09/28/23 12:04*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.950**		0.394	0.399	5.00	0.558	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G30S

Date Collected: 09/12/23 10:03
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.18**		0.196	0.223	1.00	0.112	pCi/L	09/15/23 09:54	10/10/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.418	U	0.298	0.301	1.00	0.446	pCi/L	09/15/23 09:57	10/04/23 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:06*	*1*
Y Carrier	*83.0*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:06*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.60**		0.357	0.375	5.00	0.446	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: R32S

Date Collected: 09/12/23 11:37
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.11		0.202	0.225	1.00	0.129	pCi/L	09/15/23 09:54	10/10/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.861		0.400	0.408	1.00	0.542	pCi/L	09/15/23 09:57	10/04/23 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:06*	*1*
Y Carrier	*84.5*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:06*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.97		0.448	0.466	5.00	0.542	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T12S

Date Collected: 09/12/23 12:57
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.968**		0.227	0.243	1.00	0.183	pCi/L	09/15/23 09:54	10/10/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.408	U	0.437	0.439	1.00	0.710	pCi/L	09/15/23 09:57	10/04/23 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:07*	*1*
Y Carrier	*81.5*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:07*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.38**		0.492	0.502	5.00	0.710	pCi/L		10/11/23 18:10	1

Client Sample ID: G33S

Date Collected: 09/12/23 13:51
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.569**		0.251	0.256	1.00	0.293	pCi/L	09/15/23 09:54	10/10/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.6*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.438	U G	0.681	0.682	1.00	1.16	pCi/L	09/15/23 09:57	10/04/23 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.6*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:07*	*1*
Y Carrier	*77.4*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:07*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.01	U	0.726	0.728	5.00	1.16	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G46S

Date Collected: 09/13/23 09:44
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-10

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.48		0.308	0.336	1.00	0.218	pCi/L	09/15/23 09:54	10/10/23 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.7*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:37*	*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	2.37		0.778	0.808	1.00	0.920	pCi/L	09/15/23 09:57	10/04/23 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.7*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*
Y Carrier	*77.8*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.85		0.837	0.875	5.00	0.920	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G38S

Date Collected: 09/13/23 10:48
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-11

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.297**		0.112	0.115	1.00	0.111	pCi/L	09/15/23 09:54	10/10/23 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:37*	*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	0.162	U	0.314	0.314	1.00	0.545	pCi/L	09/15/23 09:57	10/04/23 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*
Y Carrier	*75.9*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.459	U	0.333	0.334	5.00	0.545	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T03S

Date Collected: 09/13/23 11:45
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-12

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.692**		0.164	0.176	1.00	0.134	pCi/L	09/15/23 09:54	10/10/23 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:37*	*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	0.382	U	0.334	0.336	1.00	0.526	pCi/L	09/15/23 09:57	10/04/23 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*
Y Carrier	*81.9*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.07**		0.372	0.379	5.00	0.526	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G44S

Date Collected: 09/13/23 13:52
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-13

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.668		0.170	0.181	1.00	0.157	pCi/L	09/15/23 09:54	10/10/23 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:37*	*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	0.872		0.382	0.390	1.00	0.493	pCi/L	09/15/23 09:57	10/04/23 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*
Y Carrier	*81.1*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.54		0.418	0.430	5.00	0.493	pCi/L		10/11/23 18:10	1

Client Sample ID: G45S

Date Collected: 09/14/23 14:10
Date Received: 09/14/23 15:25

Lab Sample ID: 500-239151-14

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.37		0.233	0.264	1.00	0.161	pCi/L	09/15/23 09:54	10/10/23 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.585		0.352	0.356	1.00	0.517	pCi/L	09/15/23 09:57	10/04/23 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*
Y Carrier	*87.5*		*30 - 110*	*09/15/23 09:57*	*10/04/23 12:05*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.95		0.422	0.443	5.00	0.517	pCi/L		10/11/23 18:10	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T09S

Date Collected: 09/19/23 11:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-15

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.57		0.325	0.355	1.00	0.260	pCi/L	09/21/23 10:16	10/13/23 19:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*09/21/23 10:16*	*10/13/23 19:49*	*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	1.84		0.713	0.732	1.00	0.957	pCi/L	09/21/23 10:23	10/09/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*09/21/23 10:23*	*10/09/23 11:36*	*1*
Y Carrier	*79.3*		*30 - 110*	*09/21/23 10:23*	*10/09/23 11:36*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.41		0.784	0.814	5.00	0.957	pCi/L		10/16/23 12:12	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T06S

Date Collected: 09/19/23 13:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-16

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.22**		0.228	0.253	1.00	0.141	pCi/L	09/21/23 10:16	10/13/23 21:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*09/21/23 10:16*	*10/13/23 21:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.293	U	0.354	0.355	1.00	0.585	pCi/L	09/21/23 10:23	10/09/23 11:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*09/21/23 10:23*	*10/09/23 11:35*	*1*
Y Carrier	*81.9*		*30 - 110*	*09/21/23 10:23*	*10/09/23 11:35*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.51**		0.421	0.436	5.00	0.585	pCi/L		10/16/23 12:12	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T13S

Date Collected: 09/26/23 11:25
Date Received: 09/26/23 14:40

Lab Sample ID: 500-239151-17

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.517		0.173	0.180	1.00	0.171	pCi/L	09/28/23 10:53	10/20/23 16:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*09/28/23 10:53*	*10/20/23 16:49*	*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		0.421	0.431	1.00	0.524	pCi/L	09/28/23 11:02	10/17/23 11:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*09/28/23 11:02*	*10/17/23 11:45*	*1*
Y Carrier	*77.8*		*30 - 110*	*09/28/23 11:02*	*10/17/23 11:45*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.54		0.455	0.467	5.00	0.524	pCi/L		10/24/23 12:19	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T13S Dup

Date Collected: 09/26/23 11:25
Date Received: 09/26/23 14:40

Lab Sample ID: 500-239151-18

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.767		0.213	0.224	1.00	0.190	pCi/L	09/28/23 10:53	10/20/23 16:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.9*		*30 - 110*	*09/28/23 10:53*	*10/20/23 16:49*	*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	1.72		0.553	0.575	1.00	0.649	pCi/L	09/28/23 11:02	10/17/23 11:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.9*		*30 - 110*	*09/28/23 11:02*	*10/17/23 11:45*	*1*
Y Carrier	*75.5*		*30 - 110*	*09/28/23 11:02*	*10/17/23 11:45*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.49		0.593	0.617	5.00	0.649	pCi/L		10/24/23 12:19	1

Client Sample ID: T02S

Date Collected: 09/27/23 10:47
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-19

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.664		0.230	0.238	1.00	0.232	pCi/L	10/02/23 11:14	10/24/23 16:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/02/23 11:14*	*10/24/23 16:40*	*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	4.19		0.903	0.982	1.00	0.500	pCi/L	10/02/23 11:17	10/20/23 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier				*10/02/23 11:17*	*10/20/23 11:48*	*1*
Y Carrier				*10/02/23 11:17*	*10/20/23 11:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.86		0.932	1.01	5.00	0.892	pCi/L		10/27/23 16:19	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T08S

Date Collected: 09/27/23 12:24
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-20

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.461		0.177	0.182	1.00	0.177	pCi/L	10/02/23 11:14	10/24/23 16:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*10/02/23 11:14*	*10/24/23 16:41*	*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	2.69		0.668	0.713	1.00	0.500	pCi/L	10/02/23 11:17	10/20/23 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier				*10/02/23 11:17*	*10/20/23 11:48*	*1*
Y Carrier				*10/02/23 11:17*	*10/20/23 11:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.15		0.691	0.736	5.00	0.648	pCi/L		10/27/23 16:19	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T05S

Date Collected: 09/27/23 14:03
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-21

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.507		0.213	0.218	1.00	0.246	pCi/L	10/02/23 11:14	10/24/23 16:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*10/02/23 11:14*	*10/24/23 16:41*	*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	1.25		0.611	0.622	1.00	0.500	pCi/L	10/02/23 11:17	10/20/23 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier				*10/02/23 11:17*	*10/20/23 11:47*	*1*
Y Carrier				*10/02/23 11:17*	*10/20/23 11:47*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.75		0.647	0.659	5.00	0.823	pCi/L		10/27/23 16:19	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T11S

Date Collected: 09/28/23 09:38
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-22

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.503		0.176	0.182	1.00	0.195	pCi/L	10/02/23 11:14	10/24/23 16:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/02/23 11:14*	*10/24/23 16:41*	*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	1.97		0.555	0.584	1.00	0.500	pCi/L	10/02/23 11:17	10/20/23 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier				*10/02/23 11:17*	*10/20/23 11:47*	*1*
Y Carrier				*10/02/23 11:17*	*10/20/23 11:47*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.47		0.582	0.612	5.00	0.621	pCi/L		10/27/23 16:19	1

Client Sample ID: T01S

Date Collected: 09/28/23 11:27
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-23

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.737		0.357	0.363	1.00	0.458	pCi/L	10/02/23 11:14	10/24/23 16:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*46.2*		*30 - 110*	*10/02/23 11:14*	*10/24/23 16:41*	*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	2.81		1.18	1.21	1.00	0.500	pCi/L	10/02/23 11:17	10/20/23 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier				*10/02/23 11:17*	*10/20/23 11:47*	*1*
Y Carrier				*10/02/23 11:17*	*10/20/23 11:47*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.55		1.23	1.26	5.00	1.53	pCi/L		10/27/23 16:19	1

Client Sample ID: G39S

Date Collected: 09/28/23 13:23
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-24

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.479**		0.158	0.164	1.00	0.161	pCi/L	10/02/23 11:14	10/24/23 16:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*10/02/23 11:14*	*10/24/23 16:40*	*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	0.899	U G	0.771	0.775	1.00	1.21	pCi/L	10/02/23 11:17	10/20/23 17:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*10/02/23 11:17*	*10/20/23 17:55*	*1*
Y Carrier	*82.2*		*30 - 110*	*10/02/23 11:17*	*10/20/23 17:55*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.38**		0.787	0.792	5.00	1.21	pCi/L		10/27/23 16:19	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

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

Rad

Prep Batch: 627370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	PrecSep-21	
500-239151-2	G31S	Total/NA	Water	PrecSep-21	
500-239151-3	G48S	Total/NA	Water	PrecSep-21	
500-239151-4	G47S	Total/NA	Water	PrecSep-21	
500-239151-5	R08S	Total/NA	Water	PrecSep-21	
MB 160-627370/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-627370/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-239151-3 DU	G48S	Total/NA	Water	PrecSep-21	

Prep Batch: 627374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-1	G20S	Total/NA	Water	PrecSep_0	
500-239151-2	G31S	Total/NA	Water	PrecSep_0	
500-239151-3	G48S	Total/NA	Water	PrecSep_0	
500-239151-4	G47S	Total/NA	Water	PrecSep_0	
500-239151-5	R08S	Total/NA	Water	PrecSep_0	
MB 160-627374/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-627374/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-239151-3 DU	G48S	Total/NA	Water	PrecSep_0	

Prep Batch: 628180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-6	G30S	Total/NA	Water	PrecSep-21	
500-239151-7	R32S	Total/NA	Water	PrecSep-21	
500-239151-8	T12S	Total/NA	Water	PrecSep-21	
500-239151-9	G33S	Total/NA	Water	PrecSep-21	
500-239151-10	G46S	Total/NA	Water	PrecSep-21	
500-239151-11	G38S	Total/NA	Water	PrecSep-21	
500-239151-12	T03S	Total/NA	Water	PrecSep-21	
500-239151-13	G44S	Total/NA	Water	PrecSep-21	
500-239151-14	G45S	Total/NA	Water	PrecSep-21	
MB 160-628180/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-628180/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 628181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-6	G30S	Total/NA	Water	PrecSep_0	
500-239151-7	R32S	Total/NA	Water	PrecSep_0	
500-239151-8	T12S	Total/NA	Water	PrecSep_0	
500-239151-9	G33S	Total/NA	Water	PrecSep_0	
500-239151-10	G46S	Total/NA	Water	PrecSep_0	
500-239151-11	G38S	Total/NA	Water	PrecSep_0	
500-239151-12	T03S	Total/NA	Water	PrecSep_0	
500-239151-13	G44S	Total/NA	Water	PrecSep_0	
500-239151-14	G45S	Total/NA	Water	PrecSep_0	
MB 160-628181/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-628181/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 629146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 629146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-16	T06S	Total/NA	Water	PrecSep-21	
MB 160-629146/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-629146/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-239151-16 DU	T06S	Total/NA	Water	PrecSep-21	

Prep Batch: 629147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-15	T09S	Total/NA	Water	PrecSep_0	
500-239151-16	T06S	Total/NA	Water	PrecSep_0	
MB 160-629147/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-629147/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-239151-16 DU	T06S	Total/NA	Water	PrecSep_0	

Prep Batch: 629954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total/NA	Water	PrecSep-21	
500-239151-18	T13S Dup	Total/NA	Water	PrecSep-21	
MB 160-629954/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-629954/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 629957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-17	T13S	Total/NA	Water	PrecSep_0	
500-239151-18	T13S Dup	Total/NA	Water	PrecSep_0	
MB 160-629957/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-629957/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 630347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-19	T02S	Total/NA	Water	PrecSep-21	
500-239151-20	T08S	Total/NA	Water	PrecSep-21	
500-239151-21	T05S	Total/NA	Water	PrecSep-21	
500-239151-22	T11S	Total/NA	Water	PrecSep-21	
500-239151-23	T01S	Total/NA	Water	PrecSep-21	
500-239151-24	G39S	Total/NA	Water	PrecSep-21	
MB 160-630347/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-630347/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-239151-24 DU	G39S	Total/NA	Water	PrecSep-21	

Prep Batch: 630351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239151-19	T02S	Total/NA	Water	PrecSep_0	
500-239151-20	T08S	Total/NA	Water	PrecSep_0	
500-239151-21	T05S	Total/NA	Water	PrecSep_0	
500-239151-22	T11S	Total/NA	Water	PrecSep_0	
500-239151-23	T01S	Total/NA	Water	PrecSep_0	
500-239151-24	G39S	Total/NA	Water	PrecSep_0	
MB 160-630351/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-630351/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-239151-24 DU	G39S	Total/NA	Water	PrecSep_0	

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-627370/1-A
Matrix: Water
Analysis Batch: 630408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627370

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03807	U	0.0381	0.0382	1.00	0.112	pCi/L	09/11/23 10:01	10/03/23 07:30	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*30 - 110*	*09/11/23 10:01*	*10/03/23 07:30*	*1*

Lab Sample ID: LCS 160-627370/2-A
Matrix: Water
Analysis Batch: 630408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627370

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.553		1.04	1.00	0.142	pCi/L	84	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.1*		*30 - 110*

Lab Sample ID: 500-239151-3 DU
Matrix: Water
Analysis Batch: 630503

Client Sample ID: G48S
Prep Type: Total/NA
Prep Batch: 627370

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.667			0.6077		0.173	1.00	0.147	pCi/L			0.17	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*96.3*		*30 - 110*

Lab Sample ID: MB 160-628180/1-A
Matrix: Water
Analysis Batch: 631274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628180

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01255	U	0.0573	0.0573	1.00	0.123	pCi/L	09/15/23 09:54	10/10/23 11:32	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*09/15/23 09:54*	*10/10/23 11:32*	*1*

Lab Sample ID: LCS 160-628180/2-A
Matrix: Water
Analysis Batch: 631441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628180

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.427		1.01	1.00	0.103	pCi/L	83	75 - 125		

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

Lab Sample ID: LCS 160-628180/2-A
Matrix: Water
Analysis Batch: 631441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628180

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	91.8		30 - 110

Lab Sample ID: MB 160-629146/1-A
Matrix: Water
Analysis Batch: 631808

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629146

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.003778	U	0.0445	0.0445	1.00	0.104	pCi/L	09/21/23 10:16	10/13/23 19:41	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.6		30 - 110	09/21/23 10:16	10/13/23 19:41	1

Lab Sample ID: LCS 160-629146/2-A
Matrix: Water
Analysis Batch: 631808

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629146

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.31		1.21	1.00	0.108	pCi/L	100	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	91.9		30 - 110

Lab Sample ID: 500-239151-16 DU
Matrix: Water
Analysis Batch: 631972

Client Sample ID: T06S
Prep Type: Total/NA
Prep Batch: 629146

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	1.22			1.246		0.265	1.00	0.153	pCi/L			0.05	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	84.4		30 - 110

Lab Sample ID: MB 160-629954/1-A
Matrix: Water
Analysis Batch: 632841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629954

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05286	U	0.112	0.112	1.00	0.200	pCi/L	09/28/23 10:53	10/20/23 16:48	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	77.0		30 - 110	09/28/23 10:53	10/20/23 16:48	1

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

Lab Sample ID: LCS 160-629954/2-A
Matrix: Water
Analysis Batch: 632841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629954

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.98		1.30	1.00	0.159	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.2*		*30 - 110*

Lab Sample ID: MB 160-630347/1-A
Matrix: Water
Analysis Batch: 633137

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 630347

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.06182	U	0.0389	0.0393	1.00	0.133	pCi/L	10/02/23 11:14	10/24/23 16:33	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*10/02/23 11:14*	*10/24/23 16:33*	*1*

Lab Sample ID: LCS 160-630347/2-A
Matrix: Water
Analysis Batch: 633137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 630347

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.51		1.15	1.00	0.121	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.0*		*30 - 110*

Lab Sample ID: 500-239151-24 DU
Matrix: Water
Analysis Batch: 633301

Client Sample ID: G39S
Prep Type: Total/NA
Prep Batch: 630347

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.479			0.5404		0.174	1.00	0.167	pCi/L			0.18	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*89.0*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-627374/1-A
Matrix: Water
Analysis Batch: 629974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627374

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1785	U	0.277	0.277	1.00	0.473	pCi/L	09/11/23 10:07	09/28/23 11:53	1

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110	09/11/23 10:07	09/28/23 11:53	1
Y Carrier	77.8		30 - 110	09/11/23 10:07	09/28/23 11:53	1

Lab Sample ID: LCS 160-627374/2-A
Matrix: Water
Analysis Batch: 629974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627374

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.84	8.557		1.22	1.00	0.531	pCi/L	109	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	89.1		30 - 110
Y Carrier	84.5		30 - 110

Lab Sample ID: 500-239151-3 DU
Matrix: Water
Analysis Batch: 629983

Client Sample ID: G48S
Prep Type: Total/NA
Prep Batch: 627374

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.172	U		0.3533	U	0.349	1.00	0.560	pCi/L			0.24	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	96.3		30 - 110
Y Carrier	87.5		30 - 110

Lab Sample ID: MB 160-628181/1-A
Matrix: Water
Analysis Batch: 630703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628181

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4041	U	0.336	0.338	1.00	0.524	pCi/L	09/15/23 09:57	10/04/23 12:04	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110	09/15/23 09:57	10/04/23 12:04	1
Y Carrier	79.3		30 - 110	09/15/23 09:57	10/04/23 12:04	1

Lab Sample ID: LCS 160-628181/2-A
Matrix: Water
Analysis Batch: 630703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628181

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.83	8.721		1.23	1.00	0.476	pCi/L	111	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	91.8		30 - 110
Y Carrier	81.1		30 - 110

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

Lab Sample ID: MB 160-629147/1-A
Matrix: Water
Analysis Batch: 631051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629147

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5517	U	0.400	0.404	1.00	0.609	pCi/L	09/21/23 10:23	10/09/23 11:26	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.6*		*30 - 110*	*09/21/23 10:23*	*10/09/23 11:26*	*1*
Y Carrier	*70.3*		*30 - 110*	*09/21/23 10:23*	*10/09/23 11:26*	*1*

Lab Sample ID: LCS 160-629147/2-A
Matrix: Water
Analysis Batch: 631051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629147

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.81	9.232		1.53	1.00	0.874	pCi/L	118	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.9*		*30 - 110*
Y Carrier	*82.2*		*30 - 110*

Lab Sample ID: 500-239151-16 DU
Matrix: Water
Analysis Batch: 631060

Client Sample ID: T06S
Prep Type: Total/NA
Prep Batch: 629147

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.293	U		0.7818		0.416	1.00	0.572	pCi/L			0.63	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*84.4*		*30 - 110*
Y Carrier	*83.7*		*30 - 110*

Lab Sample ID: MB 160-629957/1-A
Matrix: Water
Analysis Batch: 632161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629957

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2359	U	0.521	0.522	1.00	0.928	pCi/L	09/28/23 11:02	10/17/23 16:53	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.0*		*30 - 110*	*09/28/23 11:02*	*10/17/23 16:53*	*1*
Y Carrier	*78.1*		*30 - 110*	*09/28/23 11:02*	*10/17/23 16:53*	*1*

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

Lab Sample ID: LCS 160-629957/2-A
Matrix: Water
Analysis Batch: 632161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629957

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.79	7.079		1.35	1.00	0.936	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.2*		*30 - 110*
Y Carrier	*82.2*		*30 - 110*

Lab Sample ID: MB 160-630351/1-A
Matrix: Water
Analysis Batch: 632839

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 630351

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.544		0.469	0.490	1.00	0.538	pCi/L	10/02/23 11:17	10/20/23 11:49	1

Lab Sample ID: LCS 160-630351/2-A
Matrix: Water
Analysis Batch: 632840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 630351

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.78	7.646		1.53	1.00	1.08	pCi/L	98	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.0*		*30 - 110*
Y Carrier	*78.9*		*30 - 110*

Lab Sample ID: 500-239151-24 DU
Matrix: Water
Analysis Batch: 632840

Client Sample ID: G39S
Prep Type: Total/NA
Prep Batch: 630351

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.899	U G		0.6146	U G	0.681	1.00	1.11	pCi/L			0.20	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*89.0*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

Chain of Custody Record 641396

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Dana Mechler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email:	Lab Contact	Carrier:	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax.	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3223 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

500-239151 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	TDS, Fl, Cl, SO4	Metals, 14 elements + Hg	Sample Specific Notes
1	G205	09/06/23	0948		W	5			1	1	1	1	1	
2	G315	09/06/23	1348		W	5			1	1	1	1	1	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 3.9 Corr'd 3.5 | Therm ID No _____

	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	EETA	09/06/23	1513		
Relinquished by					
Relinquished by			Received in Laboratory by	EETA	9/6/23 1513

Chain of Custody Record 641397

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockler	Site Contact:	Date	COC No
Company Name. Midwest Generation EME LLC	Tel/Email:	Lab Contact:	Carrier:	_____ of _____ COCs
Address.	Analysis Turnaround Time			Sampler
City/State/Zip Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name Joliet #9 CCR	☐ 1 week			
Site. 3023 - GW + Turbidity	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-239151

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226+228	TDS, Fl, Cl, SO4	Metals 14 elements + Hg	Sample Specific Notes
3 G48S	09/07/23	0938		W	5			/	/	/	/	/	
4 G47S	09/07/23	1103		W	5			/	/	/	/	/	
5 R08S	09/07/23	1255		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.2 Corr'd 3.8 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EET A	09/07/23 1429			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EETA	9/7/23 1429

Chain of Custody Record

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager Diana Mackie	Site Contact	Date.	COC No
Company Name Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier:	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name Joliet #9 CCR	☐ 1 week			
Site 3023 - GW + Turbidity	☐ 2 days			Job / SDG No 500-239151
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	TDS, Cl, SO4	metals 14 elements + Hg	Sample Specific Notes
6 G30S	09/12/23	1003		W	5			/	/	/	/	/	
7 R32S	09/12/23	1137		W	5			/	/	/	/	/	
8 T12S	09/12/23	1257		W	5			/	/	/	/	/	
9 G33S	09/12/23	1351		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.1 Corr'd 3.7 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EET A	09/12/23 1537	[signature]		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			[signature]	EET A	9/12/23 1537

Chain of Custody Record

668102

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3022 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239157
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	TDS, Fl, Cl, SO4	Metals 14 elements + Hg	Sample Specific Notes
10 G465	09/13/23	0944		W	5			/	/	/	/	/	
11 G385	09/13/23	1048		W	5			/	/	/	/	/	
12 T035	09/13/23	1145		W	5			/	/	/	/	/	
13 G445	09/13/23	1352		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 5.6 Corr'd 5.2 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EEA	09/13/23 @	1510		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company EEA	Date/Time 9/13/23 1510

Chain of Custody Record

668103

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3923 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	TDS, Fl, Cl, SO4	Metals 14 elements + Hg	Sample Specific Notes
14 G45S	09/14/23	1410		W	5			1	1	1	1	1	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 3.1 Corr'd 2.7 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	09/14/23 e	1525		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EETA	9/14/23 1525

Address _____

_____

_____

500-239151 COC

Chain of Custody Record

668104

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diane Mockler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet #9 CCR, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3Q23 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	TDS, Fl, Cl, SO4	Metals 14 elements + Hg	Sample Specific Notes
5 TO9S	09/19/23	1128		W	5			✓	✓	✓	✓	✓	
6 TO6S	09/19/23	1328		W	5			✓	✓	✓	✓	✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

25+2.1

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	09/19/23	1538		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EETA	9/19/23 1538

Chain of Custody Record

668105

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockbee	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact:	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3023 - GW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4
TISS	09/26/23	1125		W	5			/	/	/	/	/
DUP of TISS	09/26/23	↓		W	5			/	/	/	/	/

500-239151 COC

Sample Specific Notes

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.0 Corr'd 4.6 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EET A	09/26/23	1440		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by Laboratory by: [signature]	Company EET A	Date/Time 9/26/23 1440

Chain of Custody Record

668106

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Mockler	Site Contact.	Date:	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact:	Carrier:	____ of ____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3Q23 - CW + Turbidity	☐ 2 days			Job / SDG No: 500-239151
P O #	☐ 1 day			

500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
T02S	09/27/23	1047		W	5			/	/	/	/	/	
T08S	09/27/23	1224		W	5			/	/	/	/	/	
T05S	09/27/23	1403		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☑ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 1.9 Corr'd 1.8 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	09/27/23	1600		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EETA	9/27/23 1600

Chain of Custody Record

668107

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Dana Mockler	Site Contact:	Date:	COC No
Company Name: Midwest Generation EME LLC	Tel/Email:	Lab Contact.	Carrier:	____ of ____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 CCR	☐ 1 week			
Site: 3Q23 - GW + Turbidity	☐ 2 days			Job / SDG No: 239151
P O #	☐ 1 day			500-239151 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
22 T11S	09/28/23	0938		W	5			/	/	/	/	/	
23 T01S	09/28/23	1127		W	5			/	/	/	/	/	
24 G39S	09/28/23	1323		W	5			/	/	/	/	/	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 5.4 Corr'd 5.2 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[illegible]	EETA	09/28/23 @ 1440			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			[signature]	EETA	9/28/23 1440

48 gt

10/30/2023

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-178823.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/26/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
G48S (500-239151-3)	9/7/23	09:38 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G47S (500-239151-4)	9/7/23	11:03 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R08S (500-239151-5)	9/7/23	12:55 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Chris Scott	9/7/23 1530		Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by: M. Pinette	Date/Time: SEP 0 8 2023 0830	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-178823.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/26/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
G20S (500-239151-1)	9/6/23	09:48 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G31S (500-239151-2)	9/6/23	13:48 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Shirl Scott Fedex	9/7/23 1530		Fedex		
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				M. Pinette	SEP 08 2023 0830	
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179039.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
				Preservation Code:							
G30S (500-239151-6)	9/12/23	10:03 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R32S (500-239151-7)	9/12/23	11:37 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T12S (500-239151-8)	9/12/23	12:57 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G33S (500-239151-9)	9/12/23	13:51 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ________ Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 9/13/23 1520	Company	Received by: Fedex	Date/Time:	Company
Relinquished by: Fedex	Date/Time:	Company	Received by: M. Pinotte [signature]	Date/Time: SEP 14 2023 1010	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179042.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
Preservation Code:											
G46S (500-239151-10)	9/13/23	09:44 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G38s (500-239151-11)	9/13/23	10:48 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T03S (500-239151-12)	9/13/23	11:45 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G44S (500-239151-13)	9/13/23	13:52 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Chris Smith	9/13/23 1520	Fedex	M. Pinette	SEP 14 2023 1010	Fedex
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179084.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Tnzma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
G45S (500-239151-14)	9/14/23	14:10 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	9/14/23 1600	EET/A	Fedex		
2	Fedex			M. Pinette	SEP 15 2023 1015	
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179218.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
T09S (500-239151-15)	9/19/23	11:28 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T06S (500-239151-16)	9/19/23	13:28 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Shri Kadt	9/19/23 1555		Fedex		
2	Fedex			M Pinette	SEP 20 2023 0850	
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

10/30/2023

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179499.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
T13S (500-239151-17)	9/26/23	11:25 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
DUP of T13S (500-239151-18)	9/26/23	11:25 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Fedex	Date/Time:	Company	Received by: M. Pinette	Date/Time: SEP 27 2023 0845	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-179530.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-239151-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 9/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 3Q23	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
T02S (500-239151-19)	9/27/23	10:47 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T08S (500-239151-20)	9/27/23	12:24 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T05S (500-239151-21)	9/27/23	14:03 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kenneth	9/27/23 1625	EETA	Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by: M. Pinette	Date/Time: SEP 28 2023 0840	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-2

Login Number: 239151
List Number: 1
Creator: Schmidt, Kara

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5,3.8,3.7,5.2,2.7,2.1,4.6,1.8,5.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-2

Login Number: 239151
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/08/23 01:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-2

Login Number: 239151
List Number: 5
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/14/23 03:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-2

Login Number: 239151
List Number: 6
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/15/23 11:31 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-2

Login Number: 239151
List Number: 9
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/20/23 01:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-2

Login Number: 239151
List Number: 10
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/27/23 11:10 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-2

Login Number: 239151
List Number: 13
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/28/23 01:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-239151-2

Login Number: 239151
List Number: 15
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 09/29/23 11:34 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G20S
Date Collected: 09/06/23 09:48
Date Received: 09/06/23 15:13

Lab Sample ID: 500-239151-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			627370	KAC	EET SL	09/11/23 10:01
Total/NA	Analysis	903.0		1	630503	FLC	EET SL	10/03/23 07:41
Total/NA	Prep	PrecSep_0			627374	KAC	EET SL	09/11/23 10:07
Total/NA	Analysis	904.0		1	629974	FLC	EET SL	09/28/23 11:58
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: G31S
Date Collected: 09/06/23 13:48
Date Received: 09/06/23 15:13

Lab Sample ID: 500-239151-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			627370	KAC	EET SL	09/11/23 10:01
Total/NA	Analysis	903.0		1	630503	FLC	EET SL	10/03/23 07:41
Total/NA	Prep	PrecSep_0			627374	KAC	EET SL	09/11/23 10:07
Total/NA	Analysis	904.0		1	629974	FLC	EET SL	09/28/23 11:58
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: G48S
Date Collected: 09/07/23 09:38
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			627370	KAC	EET SL	09/11/23 10:01
Total/NA	Analysis	903.0		1	630503	FLC	EET SL	10/03/23 07:41
Total/NA	Prep	PrecSep_0			627374	KAC	EET SL	09/11/23 10:07
Total/NA	Analysis	904.0		1	629983	FLC	EET SL	09/28/23 12:03
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: G47S
Date Collected: 09/07/23 11:03
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			627370	KAC	EET SL	09/11/23 10:01
Total/NA	Analysis	903.0		1	630503	FLC	EET SL	10/03/23 07:41
Total/NA	Prep	PrecSep_0			627374	KAC	EET SL	09/11/23 10:07
Total/NA	Analysis	904.0		1	629983	FLC	EET SL	09/28/23 12:04
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: R08S
Date Collected: 09/07/23 12:55
Date Received: 09/07/23 14:29

Lab Sample ID: 500-239151-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			627370	KAC	EET SL	09/11/23 10:01
Total/NA	Analysis	903.0		1	630503	FLC	EET SL	10/03/23 07:41
Total/NA	Prep	PrecSep_0			627374	KAC	EET SL	09/11/23 10:07
Total/NA	Analysis	904.0		1	629983	FLC	EET SL	09/28/23 12:04
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: G30S
Date Collected: 09/12/23 10:03
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631279	FLC	EET SL	10/10/23 11:38
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:06
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: R32S
Date Collected: 09/12/23 11:37
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631279	FLC	EET SL	10/10/23 11:38
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:06
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: T12S
Date Collected: 09/12/23 12:57
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631279	FLC	EET SL	10/10/23 11:38
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:07
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G33S
Date Collected: 09/12/23 13:51
Date Received: 09/12/23 15:37

Lab Sample ID: 500-239151-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631279	FLC	EET SL	10/10/23 11:38
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:07
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: G46S
Date Collected: 09/13/23 09:44
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631278	FLC	EET SL	10/10/23 11:37
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:05
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: G38S
Date Collected: 09/13/23 10:48
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631278	FLC	EET SL	10/10/23 11:37
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:05
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: T03S
Date Collected: 09/13/23 11:45
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631278	FLC	EET SL	10/10/23 11:37
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:05
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: G44S
Date Collected: 09/13/23 13:52
Date Received: 09/13/23 15:10

Lab Sample ID: 500-239151-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631278	FLC	EET SL	10/10/23 11:37
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:05
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: G45S
Date Collected: 09/14/23 14:10
Date Received: 09/14/23 15:25

Lab Sample ID: 500-239151-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			628180	KAC	EET SL	09/15/23 09:54
Total/NA	Analysis	903.0		1	631278	FLC	EET SL	10/10/23 11:37
Total/NA	Prep	PrecSep_0			628181	KAC	EET SL	09/15/23 09:57
Total/NA	Analysis	904.0		1	630703	FLC	EET SL	10/04/23 12:05
Total/NA	Analysis	Ra226_Ra228		1	631637	EMH	EET SL	10/11/23 18:10

Client Sample ID: T09S
Date Collected: 09/19/23 11:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			629146	KAC	EET SL	09/21/23 10:16
Total/NA	Analysis	903.0		1	631972	FLC	EET SL	10/13/23 19:49
Total/NA	Prep	PrecSep_0			629147	KAC	EET SL	09/21/23 10:23
Total/NA	Analysis	904.0		1	631061	FLC	EET SL	10/09/23 11:36
Total/NA	Analysis	Ra226_Ra228		1	632126	SCB	EET SL	10/16/23 12:12

Client Sample ID: T06S
Date Collected: 09/19/23 13:28
Date Received: 09/19/23 15:38

Lab Sample ID: 500-239151-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			629146	KAC	EET SL	09/21/23 10:16
Total/NA	Analysis	903.0		1	631972	FLC	EET SL	10/13/23 21:35
Total/NA	Prep	PrecSep_0			629147	KAC	EET SL	09/21/23 10:23
Total/NA	Analysis	904.0		1	631060	FLC	EET SL	10/09/23 11:35
Total/NA	Analysis	Ra226_Ra228		1	632126	SCB	EET SL	10/16/23 12:12

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T13S
Date Collected: 09/26/23 11:25
Date Received: 09/26/23 14:40

Lab Sample ID: 500-239151-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			629954	KAC	EET SL	09/28/23 10:53
Total/NA	Analysis	903.0		1	632841	FLC	EET SL	10/20/23 16:49
Total/NA	Prep	PrecSep_0			629957	KAC	EET SL	09/28/23 11:02
Total/NA	Analysis	904.0		1	632158	FLC	EET SL	10/17/23 11:45
Total/NA	Analysis	Ra226_Ra228		1	633286	EMH	EET SL	10/24/23 12:19

Client Sample ID: T13S Dup
Date Collected: 09/26/23 11:25
Date Received: 09/26/23 14:40

Lab Sample ID: 500-239151-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			629954	KAC	EET SL	09/28/23 10:53
Total/NA	Analysis	903.0		1	632841	FLC	EET SL	10/20/23 16:49
Total/NA	Prep	PrecSep_0			629957	KAC	EET SL	09/28/23 11:02
Total/NA	Analysis	904.0		1	632158	FLC	EET SL	10/17/23 11:45
Total/NA	Analysis	Ra226_Ra228		1	633286	EMH	EET SL	10/24/23 12:19

Client Sample ID: T02S
Date Collected: 09/27/23 10:47
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			630347	KAC	EET SL	10/02/23 11:14
Total/NA	Analysis	903.0		1	633299	FLC	EET SL	10/24/23 16:40
Total/NA	Prep	PrecSep_0			630351	KAC	EET SL	10/02/23 11:17
Total/NA	Analysis	904.0		1	632839	FLC	EET SL	10/20/23 11:48
Total/NA	Analysis	Ra226_Ra228		1	633946	CAH	EET SL	10/27/23 16:19

Client Sample ID: T08S
Date Collected: 09/27/23 12:24
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			630347	KAC	EET SL	10/02/23 11:14
Total/NA	Analysis	903.0		1	633299	FLC	EET SL	10/24/23 16:41
Total/NA	Prep	PrecSep_0			630351	KAC	EET SL	10/02/23 11:17
Total/NA	Analysis	904.0		1	632839	FLC	EET SL	10/20/23 11:48
Total/NA	Analysis	Ra226_Ra228		1	633946	CAH	EET SL	10/27/23 16:19

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

Client Sample ID: T05S
Date Collected: 09/27/23 14:03
Date Received: 09/27/23 16:00

Lab Sample ID: 500-239151-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			630347	KAC	EET SL	10/02/23 11:14
Total/NA	Analysis	903.0		1	633299	FLC	EET SL	10/24/23 16:41
Total/NA	Prep	PrecSep_0			630351	KAC	EET SL	10/02/23 11:17
Total/NA	Analysis	904.0		1	632839	FLC	EET SL	10/20/23 11:47
Total/NA	Analysis	Ra226_Ra228		1	633946	CAH	EET SL	10/27/23 16:19

Client Sample ID: T11S
Date Collected: 09/28/23 09:38
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			630347	KAC	EET SL	10/02/23 11:14
Total/NA	Analysis	903.0		1	633299	FLC	EET SL	10/24/23 16:41
Total/NA	Prep	PrecSep_0			630351	KAC	EET SL	10/02/23 11:17
Total/NA	Analysis	904.0		1	632839	FLC	EET SL	10/20/23 11:47
Total/NA	Analysis	Ra226_Ra228		1	633946	CAH	EET SL	10/27/23 16:19

Client Sample ID: T01S
Date Collected: 09/28/23 11:27
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			630347	KAC	EET SL	10/02/23 11:14
Total/NA	Analysis	903.0		1	633299	FLC	EET SL	10/24/23 16:41
Total/NA	Prep	PrecSep_0			630351	KAC	EET SL	10/02/23 11:17
Total/NA	Analysis	904.0		1	632839	FLC	EET SL	10/20/23 11:47
Total/NA	Analysis	Ra226_Ra228		1	633946	CAH	EET SL	10/27/23 16:19

Client Sample ID: G39S
Date Collected: 09/28/23 13:23
Date Received: 09/28/23 14:40

Lab Sample ID: 500-239151-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			630347	KAC	EET SL	10/02/23 11:14
Total/NA	Analysis	903.0		1	633301	FLC	EET SL	10/24/23 16:40
Total/NA	Prep	PrecSep_0			630351	KAC	EET SL	10/02/23 11:17
Total/NA	Analysis	904.0		1	632840	FLC	EET SL	10/20/23 17:55
Total/NA	Analysis	Ra226_Ra228		1	633946	CAH	EET SL	10/27/23 16:19

Laboratory References:
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q23

Job ID: 500-239151-2

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)
500-239151-1	G20S	93.3
500-239151-2	G31S	86.6
500-239151-3	G48S	93.5
500-239151-3 DU	G48S	96.3
500-239151-4	G47S	91.1
500-239151-5	R08S	97.3
500-239151-6	G30S	103
500-239151-7	R32S	93.1
500-239151-8	T12S	91.8
500-239151-9	G33S	81.6
500-239151-10	G46S	76.7
500-239151-11	G38S	95.8
500-239151-12	T03S	97.0
500-239151-13	G44S	94.5
500-239151-14	G45S	98.0
500-239151-15	T09S	89.5
500-239151-16	T06S	90.7
500-239151-16 DU	T06S	84.4
500-239151-17	T13S	87.0
500-239151-18	T13S Dup	81.9
500-239151-19	T02S	85.8
500-239151-20	T08S	88.0
500-239151-21	T05S	78.2
500-239151-22	T11S	85.6
500-239151-23	T01S	46.2
500-239151-24	G39S	87.5
500-239151-24 DU	G39S	89.0
LCS 160-627370/2-A	Lab Control Sample	89.1
LCS 160-628180/2-A	Lab Control Sample	91.8
LCS 160-629146/2-A	Lab Control Sample	91.9
LCS 160-629954/2-A	Lab Control Sample	90.2
LCS 160-630347/2-A	Lab Control Sample	87.0
MB 160-627370/1-A	Method Blank	98.3
MB 160-628180/1-A	Method Blank	99.0
MB 160-629146/1-A	Method Blank	96.6
MB 160-629954/1-A	Method Blank	77.0
MB 160-630347/1-A	Method Blank	91.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-239151-1	G20S	93.3	59.8
500-239151-2	G31S	86.6	77.0
500-239151-3	G48S	93.5	62.8

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Job ID: 500-239151-2
Project/Site: Joliet #9 (Quarry) CCR 3Q23

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)
500-239151-3 DU	G48S	96.3	87.5
500-239151-4	G47S	91.1	76.6
500-239151-5	R08S	97.3	84.9
500-239151-6	G30S	103	83.0
500-239151-7	R32S	93.1	84.5
500-239151-8	T12S	91.8	81.5
500-239151-9	G33S	81.6	77.4
500-239151-10	G46S	76.7	77.8
500-239151-11	G38S	95.8	75.9
500-239151-12	T03S	97.0	81.9
500-239151-13	G44S	94.5	81.1
500-239151-14	G45S	98.0	87.5
500-239151-15	T09S	89.5	79.3
500-239151-16	T06S	90.7	81.9
500-239151-16 DU	T06S	84.4	83.7
500-239151-17	T13S	87.0	77.8
500-239151-18	T13S Dup	81.9	75.5
500-239151-24	G39S	87.5	82.2
500-239151-24 DU	G39S	89.0	81.5
LCS 160-627374/2-A	Lab Control Sample	89.1	84.5
LCS 160-628181/2-A	Lab Control Sample	91.8	81.1
LCS 160-629147/2-A	Lab Control Sample	91.9	82.2
LCS 160-629957/2-A	Lab Control Sample	90.2	82.2
LCS 160-630351/2-A	Lab Control Sample	87.0	78.9
MB 160-627374/1-A	Method Blank	98.3	77.8
MB 160-628181/1-A	Method Blank	99.0	79.3
MB 160-629147/1-A	Method Blank	96.6	70.3
MB 160-629957/1-A	Method Blank	77.0	78.1

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y 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
500-239151-19	T02S		
500-239151-20	T08S		
500-239151-21	T05S		
500-239151-22	T11S		
500-239151-23	T01S		

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier