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 1st quarter 2024 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
	12/20/2023	0.50	81	130	0.35	7.48	160	680	^1+ < 0.0030	0.010	0.036	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.028	< 0.00020	0.012	2.16	< 0.0025	< 0.0020
	3/12/2024	0.39	84	110	0.36	7.49	150	640	^1+ < 0.0030	0.0087	0.035	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.028	< 0.00020	0.013	2.46	< 0.0025	< 0.0020
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
	12/12/2023	1.7	120	120	0.18	7.42	220	940	< 0.0030	< 0.0010	0.075	< 0.0010	< 0.00050	< 0.0050	0.0011	< 0.00050	0.024	< 0.00020	0.14	1.54	< 0.0025	< 0.0020
	3/12/2024	B 1.8	120	120	0.21	7.5	230	890	^1+ < 0.0030	0.0062	0.077	^1+ < 0.0010	< 0.00050	< 0.0050	0.0010	< 0.00050	0.027	< 0.00020	0.16	2.18	< 0.0025	< 0.0020
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
	12/20/2023	8.5	130	75	0.11	7.79	390	800	^1+ < 0.0030	0.0013	0.043	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.14	< 0.00020	0.34	2.06	0.0066	< 0.0020
	2/29/2024	8.2	140	71	0.13	7.96	400	770	^1+ < 0.0030	0.0010	0.041	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.16	< 0.00020	0.36	1.91	0.011	< 0.0020
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
	12/11/2023	1.3	54	16	0.72	7.36	67	420	< 0.0030	< 0.0010	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.040	< 0.00020	0.014	2.76	< 0.0025	< 0.0020
	2/29/2024	1.3	63	17	0.79	7.61	65	370	^1+ < 0.0030	< 0.0010	0.049	^1+ < 0.0010	< 0.00050	< 0.0050	0.0011	< 0.00050	0.042	< 0.00020	0.016	2.51	< 0.0025	< 0.0020
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	< 0.0030	0.0023	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.0050	0.022	< 0.00020	0.0088	2.45	< 0.0025	< 0.0020
	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
	12/19/2023	5.1	64	210	0.88	7.88	480	1200	< 0.0030	0.0069	0.047	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00072	0.021	< 0.00020	0.015	2.04	< 0.0025	< 0.0020
	3/7/2024	4.9	63	190	0.93	7.78	470	1300	^1+ < 0.0030	0.0056	0.044	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.024	< 0.00020	0.029	1.59	< 0.0025	< 0.0020

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.

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	< 0.0030	0.0016	0.028	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.0050	0.035	< 0.00020	0.092	2.02	< 0.0025	< 0.0020
	9/12/2023	2.8	88	50	0.29	7.60	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
	12/19/2023	0.48	88	43	0.28	7.43	350	780	< 0.0030	< 0.0010	0.027	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.025	< 0.00020	0.031	2.54	< 0.0025	< 0.0020
	3/7/2024	2.4	110	43	0.30	7.41	370	920	^1+ < 0.0030	0.0011	0.032	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.059	< 0.00020	0.35	1.12	< 0.0025	< 0.0020
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	< 0.0030	< 0.010	0.069	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.0050	0.026	< 0.00020	0.24	1.36	< 0.0025	< 0.0020
	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
	12/19/2023	1.6	130	63	0.20	7.24	170	750	< 0.0030	0.0011	0.067	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.023	< 0.00020	0.17	1.50	< 0.0025	< 0.0020
	3/6/2024	1.4	130	66	0.21	7.29	150	710	^1+ < 0.0030	< 0.0010	0.065	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.021	< 0.00020	0.14	0.873	< 0.0025	< 0.0020
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	< 0.0030	0.044	0.056	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.0050	0.17	< 0.00020	1.0	2.55	< 0.0025	< 0.0020
	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
	12/20/2023	10	120	69	0.23	7.48	490	980	^1+ < 0.0030	0.051	0.057	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.18	< 0.00020	1.1	2.67	< 0.0025	< 0.0020
	3/7/2024	9.6	120	63	0.24	7.36	520	1100	^1+ < 0.0030	0.11	0.059	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.20	< 0.00020	1.2	2.10	< 0.0025	< 0.0020
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	8.30	470	970	< 0.0030	0.038	0.012	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.052	0.00058	0.55	1.26	0.0033	< 0.0020
	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	< 0.0005	< 0.00050	0.039	< 0.00020	0.50	1.07	< 0.0050	< 0.0040
	12/18/2023	7.1	11	110	0.59	8.52	470	980	< 0.0030	0.038	0.013	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.054	< 0.00020	0.55	2.23	< 0.0025	< 0.0020
	3/4/2024	5.9	16	100	0.57	8.49	470	1100	^1+ < 0.0030	0.030	0.012	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.053	< 0.00020	0.48	0.792	< 0.0025	< 0.0020
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	< 0.0030	0.011	0.021	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.028	< 0.00020	0.32	< 0.711	< 0.0025	< 0.0020
	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
	12/18/2023	5.8	27	110	0.88	8.11	390	910	< 0.0030	0.012	0.019	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.024	< 0.00020	0.35	1.42	< 0.0025	< 0.0020
	3/6/2024	5.5	38	97	0.82	8.06	420	910	^1+ < 0.0030	0.0085	0.023	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.028	< 0.00020	0.42	1.15	< 0.0025	< 0.0020

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.

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
	12/20/2023	1.74
	3/12/2024	0.58
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
	12/12/2023	1.23
	3/12/2024	3.37
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
	12/20/2023	3.33
	2/29/2024	0.64
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
	12/11/2023	1.40
	2/29/2024	4.18
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
	12/19/2023	3.05
	3/7/2024	4.14

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
	12/19/2023	2.10
	3/7/2024	0.83
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
	12/19/2023	12.60
	3/6/2024	6.71
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
	12/20/2023	58.70
	3/7/2024	71.10
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
	12/18/2023	1.15
	3/4/2024	0.74
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
	12/18/2023	2.61
	3/12/2024	1.08

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/22/2024 5:24:48 PM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR 1Q24

JOB NUMBER

500-246814-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Job Notes

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Authorization

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Table of Contents

Job ID: 500-246814-1 — Eurofins Chicago

Job Narrative
500-246814-1

Receipt
The samples were received on 2/29/2024 2:44 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.6º C, 2.2º C, 2.3º C, 2.6º C, 3.5º C, 4.0º C and 4.9º C.

Metals
Method 6020B: The initial low level calibration verification (ICVL) result for 759098 was above the upper control limit. The affected analytes are: Be and Sb. Sample results were non-detects, and have been reported as qualified data.

Method 6020B: The initial calibration blank for analytical batch 759098 contained Sb greater than the reporting limit (RL). Associated samples results were non detects therefore the data was qualified and reported.

Method 6020B: The method blank for prep batch 758164 contained B- above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

General Chemistry
Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-758155 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 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-758617 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.

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 1Q24

Job ID: 500-246814-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
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 CHI
7470A	Preparation, Mercury	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246814-1	G20S	Water	02/29/24 09:44	02/29/24 14:44
500-246814-2	R08S	Water	02/29/24 13:27	02/29/24 14:44
500-246814-3	G31S	Water	03/04/24 11:19	03/04/24 14:55
500-246814-4	G33S	Water	03/04/24 12:06	03/04/24 14:55
500-246814-5	G47S	Water	03/04/24 13:26	03/04/24 14:55
500-246814-6	T13S	Water	03/06/24 09:39	03/06/24 15:22
500-246814-7	T12S	Water	03/06/24 10:33	03/06/24 15:22
500-246814-8	G44S	Water	03/06/24 11:20	03/06/24 15:22
500-246814-9	G39S	Water	03/06/24 12:51	03/06/24 15:22
500-246814-10	G48S	Water	03/06/24 13:45	03/06/24 15:22
500-246814-11	G30S	Water	03/07/24 09:28	03/07/24 14:40
500-246814-12	R32S	Water	03/07/24 11:47	03/07/24 14:40
500-246814-13	G46S	Water	03/07/24 13:19	03/07/24 14:40
500-246814-14	T09S	Water	03/11/24 10:03	03/11/24 15:25
500-246814-15	T06S	Water	03/11/24 11:31	03/11/24 15:25
500-246814-16	T05S	Water	03/11/24 13:22	03/11/24 15:25
500-246814-17	T02S	Water	03/12/24 09:47	03/12/24 14:05
500-246814-18	T03S	Water	03/12/24 11:33	03/12/24 14:05
500-246814-19	G45S	Water	03/12/24 12:27	03/12/24 14:05
500-246814-20	G45S Dup	Water	03/12/24 12:27	03/12/24 14:05
500-246814-21	T01S	Water	03/13/24 09:58	03/13/24 15:32
500-246814-22	T08S	Water	03/13/24 12:02	03/13/24 15:32
500-246814-23	T11S	Water	03/13/24 13:45	03/13/24 15:32

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G20S

Date Collected: 02/29/24 09:44
Date Received: 02/29/24 14:44

Lab Sample ID: 500-246814-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 12:35	1
Arsenic	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:35	1
Barium	**0.049**		0.0025		mg/L		03/08/24 08:46	03/19/24 12:35	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 12:35	1
Boron	**1.3**		0.050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Calcium	**63**		0.20		mg/L		03/08/24 08:46	03/19/24 12:35	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Cobalt	**0.0011**		0.0010		mg/L		03/08/24 08:46	03/19/24 12:35	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Lithium	**0.042**		0.010		mg/L		03/08/24 08:46	03/19/24 12:35	1
Molybdenum	**0.016**		0.0050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 12:35	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 12:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**370**		10		mg/L			03/04/24 00:08	1
Chloride (SM 4500 Cl- E)	**17**		2.0		mg/L			03/03/24 11:52	1
Fluoride (SM 4500 F C)	**0.79**		0.10		mg/L			03/21/24 12:39	1
Sulfate (SM 4500 SO4 E)	**65**		10		mg/L			03/03/24 14:32	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**50.05**				ft			02/29/24 09:44	1
Depth to Water (ft from MP)	**52.83**				ft			02/29/24 09:44	1
Elevation of well (ft from MP)	**580.87**				ft			02/29/24 09:44	1
Field pH	**7.61**				SU			02/29/24 09:44	1
Field Temperature	**51.1**				Degrees F			02/29/24 09:44	1
Ground Water Elevation	**528.04**				ft			02/29/24 09:44	1
Specific Conductance	**692**				umhos/cm			02/29/24 09:44	1
Well bottom elevation	**442.28**				ft			02/29/24 09:44	1
Field Turbidity	**4.18**				NTU			02/29/24 09:44	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: R08S

Date Collected: 02/29/24 13:27
Date Received: 02/29/24 14:44

Lab Sample ID: 500-246814-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 12:54	1
Arsenic	**0.0010**		0.0010		mg/L		03/08/24 08:46	03/19/24 12:54	1
Barium	**0.041**		0.0025		mg/L		03/08/24 08:46	03/19/24 12:54	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 12:54	1
Boron	**8.2**		0.050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Calcium	**140**		0.20		mg/L		03/08/24 08:46	03/19/24 12:54	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:54	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Lithium	**0.16**		0.010		mg/L		03/08/24 08:46	03/19/24 12:54	1
Molybdenum	**0.36**		0.0050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Selenium	**0.011**		0.0025		mg/L		03/08/24 08:46	03/19/24 12:54	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 12:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**770**		10		mg/L			03/04/24 00:10	1
Chloride (SM 4500 Cl- E)	**71**		4.0		mg/L			03/03/24 11:52	2
Fluoride (SM 4500 F C)	**0.13**		0.10		mg/L			03/21/24 12:57	1
Sulfate (SM 4500 SO4 E)	**400**		50		mg/L			03/03/24 14:39	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**70.69**				ft			02/29/24 13:27	1
Depth to Water (ft from MP)	**73.24**				ft			02/29/24 13:27	1
Elevation of well (ft from MP)	**578.66**				ft			02/29/24 13:27	1
Field pH	**7.96**				SU			02/29/24 13:27	1
Field Temperature	**54.0**				Degrees F			02/29/24 13:27	1
Ground Water Elevation	**505.42**				ft			02/29/24 13:27	1
Specific Conductance	**1016**				umhos/cm			02/29/24 13:27	1
Well bottom elevation	**453.08**				ft			02/29/24 13:27	1
Field Turbidity	**0.64**				NTU			02/29/24 13:27	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G31S

Date Collected: 03/04/24 11:19
Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 12:58	1
Arsenic	**0.0029**		0.0010		mg/L		03/08/24 08:46	03/19/24 12:58	1
Barium	**0.044**		0.0025		mg/L		03/08/24 08:46	03/19/24 12:58	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 12:58	1
Boron	**3.4**		0.050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Calcium	**140**		0.20		mg/L		03/08/24 08:46	03/19/24 12:58	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:58	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Lithium	**0.087**		0.010		mg/L		03/08/24 08:46	03/19/24 12:58	1
Molybdenum	**0.54**		0.0050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 12:58	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 12:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1000**		10		mg/L			03/06/24 02:52	1
Chloride (SM 4500 Cl- E)	**170**		10		mg/L			03/10/24 11:51	5
Fluoride (SM 4500 F C)	**0.25**		0.10		mg/L			03/21/24 13:03	1
Sulfate (SM 4500 SO4 E)	**390**		50		mg/L			03/11/24 12:30	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**28.65**				ft			03/04/24 11:19	1
Depth to Water (ft from MP)	**31.23**				ft			03/04/24 11:19	1
Elevation of well (ft from MP)	**535.73**				ft			03/04/24 11:19	1
Field pH	**7.27**				SU			03/04/24 11:19	1
Field Temperature	**57.6**				Degrees F			03/04/24 11:19	1
Ground Water Elevation	**504.50**				ft			03/04/24 11:19	1
Specific Conductance	**1550**				umhos/cm			03/04/24 11:19	1
Well bottom elevation	**453.36**				ft			03/04/24 11:19	1
Field Turbidity	**1.36**				NTU			03/04/24 11:19	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G33S

Date Collected: 03/04/24 12:06
Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:02	1
Arsenic	**0.0017**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:02	1
Barium	**0.22**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:02	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:02	1
Boron	**0.90**		0.050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Calcium	**60**		0.20		mg/L		03/08/24 08:46	03/19/24 13:02	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:02	1
Lead	**0.0064**		0.00050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Lithium	**0.035**		0.010		mg/L		03/08/24 08:46	03/19/24 13:02	1
Molybdenum	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:02	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**360**		10		mg/L			03/06/24 03:00	1
Chloride (SM 4500 Cl- E)	**13**		2.0		mg/L			03/10/24 11:25	1
Fluoride (SM 4500 F C)	**0.41**		0.10		mg/L			03/21/24 13:08	1
Sulfate (SM 4500 SO4 E)	**57**		10		mg/L			03/11/24 12:30	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**37.05**				ft			03/04/24 12:06	1
Depth to Water (ft from MP)	**38.78**				ft			03/04/24 12:06	1
Elevation of well (ft from MP)	**535.67**				ft			03/04/24 12:06	1
Field pH	**7.33**				SU			03/04/24 12:06	1
Field Temperature	**56.7**				Degrees F			03/04/24 12:06	1
Ground Water Elevation	**496.89**				ft			03/04/24 12:06	1
Specific Conductance	**693**				umhos/cm			03/04/24 12:06	1
Well bottom elevation	**452.72**				ft			03/04/24 12:06	1
Field Turbidity	**83.20**				NTU			03/04/24 12:06	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G47S

Date Collected: 03/04/24 13:26
Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:05	1
Arsenic	**0.030**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:05	1
Barium	**0.012**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:05	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:05	1
Boron	**5.9**		0.050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Calcium	**16**		0.20		mg/L		03/08/24 08:46	03/19/24 13:05	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:05	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Lithium	**0.053**		0.010		mg/L		03/08/24 08:46	03/19/24 13:05	1
Molybdenum	**0.48**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:05	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		10		mg/L			03/06/24 03:05	1
Chloride (SM 4500 Cl- E)	**100**		10		mg/L			03/11/24 14:14	5
Fluoride (SM 4500 F C)	**0.57**		0.10		mg/L			03/21/24 13:13	1
Sulfate (SM 4500 SO4 E)	**470**		50		mg/L			03/11/24 12:33	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**92.23**				ft			03/04/24 13:26	1
Depth to Water (ft from MP)	**94.73**				ft			03/04/24 13:26	1
Elevation of well (ft from MP)	**612.23**				ft			03/04/24 13:26	1
Field pH	**8.49**				SU			03/04/24 13:26	1
Field Temperature	**56.8**				Degrees F			03/04/24 13:26	1
Ground Water Elevation	**517.50**				ft			03/04/24 13:26	1
Specific Conductance	**1590**				umhos/cm			03/04/24 13:26	1
Well bottom elevation	**459.84**				ft			03/04/24 13:26	1
Field Turbidity	**0.74**				NTU			03/04/24 13:26	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T13S

Date Collected: 03/06/24 09:39
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:09	1
Arsenic	**0.0037**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:09	1
Barium	**0.058**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:09	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:09	1
Boron	**0.52**		0.050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Calcium	**100**		0.20		mg/L		03/08/24 08:46	03/19/24 13:09	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:09	1
Lead	**0.00050**		0.00050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Lithium	**0.022**		0.010		mg/L		03/08/24 08:46	03/19/24 13:09	1
Molybdenum	**0.015**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:09	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**640**		10		mg/L			03/07/24 20:58	1
Chloride (SM 4500 Cl- E)	**37**		2.0		mg/L			03/10/24 11:27	1
Fluoride (SM 4500 F C)	**0.23**		0.10		mg/L			03/21/24 13:18	1
Sulfate (SM 4500 SO4 E)	**160**		25		mg/L			03/11/24 12:33	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**17.22**				ft			03/06/24 09:39	1
Depth to Water (ft from MP)	**19.98**				ft			03/06/24 09:39	1
Elevation of well (ft from MP)	**525.33**				ft			03/06/24 09:39	1
Field pH	**7.43**				SU			03/06/24 09:39	1
Field Temperature	**54.3**				Degrees F			03/06/24 09:39	1
Ground Water Elevation	**505.35**				ft			03/06/24 09:39	1
Specific Conductance	**891**				umhos/cm			03/06/24 09:39	1
Well bottom elevation	**452.21**				ft			03/06/24 09:39	1
Field Turbidity	**33.10**				NTU			03/06/24 09:39	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T12S

Date Collected: 03/06/24 10:33
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:24	1
Arsenic	**0.013**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:24	1
Barium	**0.066**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:24	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:24	1
Boron	**5.4**		0.050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Calcium	**110**		0.20		mg/L		03/08/24 08:46	03/19/24 13:24	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:24	1
Lead	**0.00057**		0.00050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Lithium	**0.14**		0.010		mg/L		03/08/24 08:46	03/19/24 13:24	1
Molybdenum	**0.40**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:24	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**760**		10		mg/L			03/07/24 21:06	1
Chloride (SM 4500 Cl- E)	**63**		4.0		mg/L			03/10/24 11:52	2
Fluoride (SM 4500 F C)	**0.21**		0.10		mg/L			03/21/24 13:31	1
Sulfate (SM 4500 SO4 E)	**270**		50		mg/L			03/11/24 12:41	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**72.26**				ft			03/06/24 10:33	1
Depth to Water (ft from MP)	**75.00**				ft			03/06/24 10:33	1
Elevation of well (ft from MP)	**578.74**				ft			03/06/24 10:33	1
Field pH	**7.58**				SU			03/06/24 10:33	1
Field Temperature	**53.6**				Degrees F			03/06/24 10:33	1
Ground Water Elevation	**503.74**				ft			03/06/24 10:33	1
Specific Conductance	**1007**				umhos/cm			03/06/24 10:33	1
Well bottom elevation	**452.24**				ft			03/06/24 10:33	1
Field Turbidity	**38.80**				NTU			03/06/24 10:33	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G44S

Date Collected: 03/06/24 11:20
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:28	1
Arsenic	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:28	1
Barium	**0.065**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:28	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:28	1
Boron	**1.4**		0.050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Calcium	**130**		0.20		mg/L		03/08/24 08:46	03/19/24 13:28	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:28	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Lithium	**0.021**		0.010		mg/L		03/08/24 08:46	03/19/24 13:28	1
Molybdenum	**0.14**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:28	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**710**		10		mg/L			03/07/24 21:11	1
Chloride (SM 4500 Cl- E)	**66**		4.0		mg/L			03/10/24 11:53	2
Fluoride (SM 4500 F C)	**0.21**		0.10		mg/L			03/21/24 13:36	1
Sulfate (SM 4500 SO4 E)	**150**		25		mg/L			03/11/24 12:34	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**81.43**				ft			03/06/24 11:20	1
Depth to Water (ft from MP)	**83.61**				ft			03/06/24 11:20	1
Elevation of well (ft from MP)	**586.68**				ft			03/06/24 11:20	1
Field pH	**7.29**				SU			03/06/24 11:20	1
Field Temperature	**56.5**				Degrees F			03/06/24 11:20	1
Ground Water Elevation	**503.07**				ft			03/06/24 11:20	1
Specific Conductance	**1097**				umhos/cm			03/06/24 11:20	1
Well bottom elevation	**455.11**				ft			03/06/24 11:20	1
Field Turbidity	**6.71**				NTU			03/06/24 11:20	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G39S

Date Collected: 03/06/24 12:51
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:32	1
Arsenic	**0.0011**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:32	1
Barium	**0.038**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:32	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:32	1
Boron	**0.31**		0.050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Calcium	**98**		0.20		mg/L		03/08/24 08:46	03/19/24 13:32	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:32	1
Lead	**0.00097**		0.00050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Lithium	**0.012**		0.010		mg/L		03/08/24 08:46	03/19/24 13:32	1
Molybdenum	**0.0074**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:32	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**540**		10		mg/L			03/07/24 21:13	1
Chloride (SM 4500 Cl- E)	**35**		2.0		mg/L			03/10/24 11:25	1
Fluoride (SM 4500 F C)	**0.20**		0.10		mg/L			03/21/24 13:41	1
Sulfate (SM 4500 SO4 E)	**83**		10		mg/L			03/11/24 12:32	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**95.12**				ft			03/06/24 12:51	1
Depth to Water (ft from MP)	**97.20**				ft			03/06/24 12:51	1
Elevation of well (ft from MP)	**598.75**				ft			03/06/24 12:51	1
Field pH	**7.00**				SU			03/06/24 12:51	1
Field Temperature	**52.9**				Degrees F			03/06/24 12:51	1
Ground Water Elevation	**501.55**				ft			03/06/24 12:51	1
Specific Conductance	**727**				umhos/cm			03/06/24 12:51	1
Well bottom elevation	**454.15**				ft			03/06/24 12:51	1
Field Turbidity	**10.20**				NTU			03/06/24 12:51	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G48S

Date Collected: 03/06/24 13:45
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:36	1
Arsenic	**0.0085**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:36	1
Barium	**0.023**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:36	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:36	1
Boron	**5.5**		0.050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Calcium	**38**		0.20		mg/L		03/08/24 08:46	03/19/24 13:36	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:36	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Lithium	**0.028**		0.010		mg/L		03/08/24 08:46	03/19/24 13:36	1
Molybdenum	**0.42**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:36	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**910**		10		mg/L			03/07/24 21:16	1
Chloride (SM 4500 Cl- E)	**97**		10		mg/L			03/10/24 11:52	5
Fluoride (SM 4500 F C)	**0.82**		0.10		mg/L			03/21/24 13:45	1
Sulfate (SM 4500 SO4 E)	**420**		50		mg/L			03/11/24 12:32	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**101.05**				ft			03/06/24 13:45	1
Depth to Water (ft from MP)	**103.50**				ft			03/06/24 13:45	1
Elevation of well (ft from MP)	**620.77**				ft			03/06/24 13:45	1
Field pH	**8.06**				SU			03/06/24 13:45	1
Field Temperature	**58.3**				Degrees F			03/06/24 13:45	1
Ground Water Elevation	**517.27**				ft			03/06/24 13:45	1
Specific Conductance	**1417**				umhos/cm			03/06/24 13:45	1
Well bottom elevation	**468.32**				ft			03/06/24 13:45	1
Field Turbidity	**1.08**				NTU			03/06/24 13:45	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G30S

Date Collected: 03/07/24 09:28
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:39	1
Arsenic	**0.0056**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:39	1
Barium	**0.044**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:39	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:39	1
Boron	**4.9**		0.050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Calcium	**63**		0.20		mg/L		03/08/24 08:46	03/19/24 13:39	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:39	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Lithium	**0.024**		0.010		mg/L		03/08/24 08:46	03/19/24 13:39	1
Molybdenum	**0.029**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:39	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1300**		10		mg/L			03/07/24 21:19	1
Chloride (SM 4500 Cl- E)	**190**		10		mg/L			03/10/24 11:52	5
Fluoride (SM 4500 F C)	**0.93**		0.10		mg/L			03/21/24 13:51	1
Sulfate (SM 4500 SO4 E)	**470**		50		mg/L			03/11/24 12:31	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**-0.48**				ft			03/07/24 09:28	1
Depth to Water (ft from MP)	**1.83**				ft			03/07/24 09:28	1
Elevation of well (ft from MP)	**524.86**				ft			03/07/24 09:28	1
Field pH	**7.78**				SU			03/07/24 09:28	1
Field Temperature	**47.1**				Degrees F			03/07/24 09:28	1
Ground Water Elevation	**523.03**				ft			03/07/24 09:28	1
Specific Conductance	**1780**				umhos/cm			03/07/24 09:28	1
Well bottom elevation	**462.58**				ft			03/07/24 09:28	1
Field Turbidity	**4.14**				NTU			03/07/24 09:28	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: R32S

Date Collected: 03/07/24 11:47
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:43	1
Arsenic	**0.0011**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:43	1
Barium	**0.032**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:43	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:43	1
Boron	**2.4**		0.050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Calcium	**110**		0.20		mg/L		03/08/24 08:46	03/19/24 13:43	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:43	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Lithium	**0.059**		0.010		mg/L		03/08/24 08:46	03/19/24 13:43	1
Molybdenum	**0.35**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:43	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**920**		10		mg/L			03/07/24 21:21	1
Chloride (SM 4500 Cl- E)	**43**		2.0		mg/L			03/10/24 11:26	1
Fluoride (SM 4500 F C)	**0.30**		0.10		mg/L			03/21/24 13:56	1
Sulfate (SM 4500 SO4 E)	**370**		50		mg/L			03/11/24 12:31	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**21.53**				ft			03/07/24 11:47	1
Depth to Water (ft from MP)	**23.56**				ft			03/07/24 11:47	1
Elevation of well (ft from MP)	**536.97**				ft			03/07/24 11:47	1
Field pH	**7.41**				SU			03/07/24 11:47	1
Field Temperature	**53.1**				Degrees F			03/07/24 11:47	1
Ground Water Elevation	**513.41**				ft			03/07/24 11:47	1
Specific Conductance	**807**				umhos/cm			03/07/24 11:47	1
Well bottom elevation	**457.84**				ft			03/07/24 11:47	1
Field Turbidity	**0.83**				NTU			03/07/24 11:47	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G46S

Date Collected: 03/07/24 13:19
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:47	1
Arsenic	**0.11**		0.0010		mg/L		03/08/24 08:46	03/19/24 13:47	1
Barium	**0.059**		0.0025		mg/L		03/08/24 08:46	03/19/24 13:47	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:47	1
Boron	**9.6**		0.050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Calcium	**120**		0.20		mg/L		03/08/24 08:46	03/19/24 13:47	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:47	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Lithium	**0.20**		0.010		mg/L		03/08/24 08:46	03/19/24 13:47	1
Molybdenum	**1.2**		0.0050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:47	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		10		mg/L			03/07/24 21:24	1
Chloride (SM 4500 Cl- E)	**63**		4.0		mg/L			03/10/24 11:52	2
Fluoride (SM 4500 F C)	**0.24**		0.10		mg/L			03/21/24 14:02	1
Sulfate (SM 4500 SO4 E)	**520**		100		mg/L			03/11/24 12:41	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**108.50**				ft			03/07/24 13:19	1
Depth to Water (ft from MP)	**111.20**				ft			03/07/24 13:19	1
Elevation of well (ft from MP)	**601.41**				ft			03/07/24 13:19	1
Field pH	**7.36**				SU			03/07/24 13:19	1
Field Temperature	**53.4**				Degrees F			03/07/24 13:19	1
Ground Water Elevation	**490.21**				ft			03/07/24 13:19	1
Specific Conductance	**1300**				umhos/cm			03/07/24 13:19	1
Well bottom elevation	**453.62**				ft			03/07/24 13:19	1
Field Turbidity	**71.10**				NTU			03/07/24 13:19	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T09S

Date Collected: 03/11/24 10:03
Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 13:58	1
Arsenic	**0.0039**		0.0010		mg/L		03/13/24 16:54	03/19/24 13:58	1
Barium	**0.052**		0.0025		mg/L		03/13/24 16:54	03/19/24 13:58	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 13:58	1
Boron	**5.1**	**B**	0.050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Calcium	**110**		0.20		mg/L		03/13/24 16:54	03/19/24 13:58	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 13:58	1
Lead	**0.0014**		0.00050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Lithium	**0.065**		0.010		mg/L		03/13/24 16:54	03/19/24 13:58	1
Molybdenum	**0.62**		0.0050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 13:58	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 13:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**820**		10		mg/L			03/12/24 07:50	1
Chloride (SM 4500 Cl- E)	**52**		4.0		mg/L			03/13/24 13:26	2
Fluoride (SM 4500 F C)	**0.40**		0.10		mg/L			03/21/24 14:06	1
Sulfate (SM 4500 SO4 E)	**380**		50		mg/L			03/13/24 15:19	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**108.12**				ft			03/11/24 10:03	1
Depth to Water (ft from MP)	**110.52**				ft			03/11/24 10:03	1
Elevation of well (ft from MP)	**603.48**				ft			03/11/24 10:03	1
Field pH	**7.46**				SU			03/11/24 10:03	1
Field Temperature	**46.2**				Degrees F			03/11/24 10:03	1
Ground Water Elevation	**492.96**				ft			03/11/24 10:03	1
Specific Conductance	**1171**				umhos/cm			03/11/24 10:03	1
Well bottom elevation	**444.80**				ft			03/11/24 10:03	1
Field Turbidity	**326**				NTU			03/11/24 10:03	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T06S

Date Collected: 03/11/24 11:31
Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:36	1
Arsenic	**0.0013**		0.0010		mg/L		03/13/24 16:54	03/19/24 14:36	1
Barium	**0.036**		0.0025		mg/L		03/13/24 16:54	03/19/24 14:36	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:36	1
Boron	**1.3**	**B**	0.050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Calcium	**92**		0.20		mg/L		03/13/24 16:54	03/19/24 14:36	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:36	1
Lead	**0.00065**		0.00050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Lithium	**0.026**		0.010		mg/L		03/13/24 16:54	03/19/24 14:36	1
Molybdenum	**0.030**		0.0050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:36	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**500**		10		mg/L			03/12/24 07:57	1
Chloride (SM 4500 Cl- E)	**14**		2.0		mg/L			03/13/24 12:53	1
Fluoride (SM 4500 F C)	**0.43**		0.10		mg/L			03/21/24 14:12	1
Sulfate (SM 4500 SO4 E)	**100**		25		mg/L			03/13/24 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	**114.85**				ft			03/11/24 11:31	1
Depth to Water (ft from MP)	**117.15**				ft			03/11/24 11:31	1
Elevation of well (ft from MP)	**621.05**				ft			03/11/24 11:31	1
Field pH	**7.33**				SU			03/11/24 11:31	1
Field Temperature	**56.8**				Degrees F			03/11/24 11:31	1
Ground Water Elevation	**503.90**				ft			03/11/24 11:31	1
Specific Conductance	**775**				umhos/cm			03/11/24 11:31	1
Well bottom elevation	**447.94**				ft			03/11/24 11:31	1
Field Turbidity	**7.31**				NTU			03/11/24 11:31	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T05S

Date Collected: 03/11/24 13:22
Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:40	1
Arsenic	**0.12**		0.0010		mg/L		03/13/24 16:54	03/19/24 14:40	1
Barium	**0.0062**		0.0025		mg/L		03/13/24 16:54	03/19/24 14:40	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:40	1
Boron	**14**	**B**	0.050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Calcium	**3.3**		0.20		mg/L		03/13/24 16:54	03/19/24 14:40	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:40	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Lithium	**0.025**		0.010		mg/L		03/13/24 16:54	03/19/24 14:40	1
Molybdenum	**0.99**		0.0050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Selenium	**0.0033**		0.0025		mg/L		03/13/24 16:54	03/19/24 14:40	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1500**		10		mg/L			03/12/24 08:00	1
Chloride (SM 4500 Cl- E)	**120**		10		mg/L			03/13/24 13:12	5
Fluoride (SM 4500 F C)	**1.7**		0.10		mg/L			03/21/24 14:16	1
Sulfate (SM 4500 SO4 E)	**590**		100		mg/L			03/13/24 15:38	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**121.02**				ft			03/11/24 13:22	1
Depth to Water (ft from MP)	**123.42**				ft			03/11/24 13:22	1
Elevation of well (ft from MP)	**623.50**				ft			03/11/24 13:22	1
Field pH	**10.02**				SU			03/11/24 13:22	1
Field Temperature	**63.3**				Degrees F			03/11/24 13:22	1
Ground Water Elevation	**500.08**				ft			03/11/24 13:22	1
Specific Conductance	**2260**				umhos/cm			03/11/24 13:22	1
Well bottom elevation	**448.35**				ft			03/11/24 13:22	1
Field Turbidity	**2.04**				NTU			03/11/24 13:22	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T02S

Date Collected: 03/12/24 09:47
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:49	1
Arsenic	**0.0084**		0.0010		mg/L		03/13/24 16:54	03/19/24 14:49	1
Barium	**0.12**		0.0025		mg/L		03/13/24 16:54	03/19/24 14:49	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:49	1
Boron	**4.2**	**B**	0.050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Calcium	**70**		0.20		mg/L		03/13/24 16:54	03/19/24 14:49	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Cobalt	**0.0085**		0.0010		mg/L		03/13/24 16:54	03/19/24 14:49	1
Lead	**0.0083**		0.00050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Lithium	**0.034**		0.010		mg/L		03/13/24 16:54	03/19/24 14:49	1
Molybdenum	**0.40**		0.0050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:49	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**870**		10		mg/L			03/13/24 19:43	1
Chloride (SM 4500 Cl- E)	**110**		10		mg/L			03/13/24 13:11	5
Fluoride (SM 4500 F C)	**0.37**		0.10		mg/L			03/21/24 14:31	1
Sulfate (SM 4500 SO4 E)	**340**		50		mg/L			03/13/24 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	**131.92**				ft			03/12/24 09:47	1
Depth to Water (ft from MP)	**134.25**				ft			03/12/24 09:47	1
Elevation of well (ft from MP)	**626.12**				ft			03/12/24 09:47	1
Field pH	**7.79**				SU			03/12/24 09:47	1
Field Temperature	**54.5**				Degrees F			03/12/24 09:47	1
Ground Water Elevation	**491.87**				ft			03/12/24 09:47	1
Specific Conductance	**1318**				umhos/cm			03/12/24 09:47	1
Well bottom elevation	**453.40**				ft			03/12/24 09:47	1
Field Turbidity	**101**				NTU			03/12/24 09:47	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T03S

Date Collected: 03/12/24 11:33
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:53	1
Arsenic	**0.0062**		0.0010		mg/L		03/13/24 16:54	03/19/24 14:53	1
Barium	**0.077**		0.0025		mg/L		03/13/24 16:54	03/19/24 14:53	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:53	1
Boron	**1.8**	**B**	0.050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Calcium	**120**		0.20		mg/L		03/13/24 16:54	03/19/24 14:53	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Cobalt	**0.0010**		0.0010		mg/L		03/13/24 16:54	03/19/24 14:53	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Lithium	**0.027**		0.010		mg/L		03/13/24 16:54	03/19/24 14:53	1
Molybdenum	**0.16**		0.0050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:53	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**890**		10		mg/L			03/13/24 19:50	1
Chloride (SM 4500 Cl- E)	**120**		10		mg/L			03/13/24 13:11	5
Fluoride (SM 4500 F C)	**0.21**		0.10		mg/L			03/21/24 14:36	1
Sulfate (SM 4500 SO4 E)	**230**		25		mg/L			03/13/24 15:18	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**135.33**				ft			03/12/24 11:33	1
Depth to Water (ft from MP)	**138.41**				ft			03/12/24 11:33	1
Elevation of well (ft from MP)	**629.85**				ft			03/12/24 11:33	1
Field pH	**7.50**				SU			03/12/24 11:33	1
Field Temperature	**54.3**				Degrees F			03/12/24 11:33	1
Ground Water Elevation	**491.44**				ft			03/12/24 11:33	1
Specific Conductance	**1271**				umhos/cm			03/12/24 11:33	1
Well bottom elevation	**456.70**				ft			03/12/24 11:33	1
Field Turbidity	**3.37**				NTU			03/12/24 11:33	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G45S

Date Collected: 03/12/24 12:27
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 15:15	1
Arsenic	**0.0087**		0.0010		mg/L		03/13/24 16:54	03/19/24 15:15	1
Barium	**0.035**		0.0025		mg/L		03/13/24 16:54	03/19/24 15:15	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 15:15	1
Boron	**0.39**		0.050		mg/L		03/13/24 16:54	03/21/24 16:28	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 15:15	1
Calcium	**84**		0.20		mg/L		03/13/24 16:54	03/19/24 15:15	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 15:15	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 15:15	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 15:15	1
Lithium	**0.028**		0.010		mg/L		03/13/24 16:54	03/19/24 15:15	1
Molybdenum	**0.013**		0.0050		mg/L		03/13/24 16:54	03/19/24 15:15	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 15:15	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 15:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**640**		10		mg/L			03/13/24 19:56	1
Chloride (SM 4500 Cl- E)	**110**		10		mg/L			03/13/24 13:11	5
Fluoride (SM 4500 F C)	**0.36**		0.10		mg/L			03/21/24 14:40	1
Sulfate (SM 4500 SO4 E)	**150**		25		mg/L			03/13/24 15:18	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**61.62**				ft			03/12/24 12:27	1
Depth to Water (ft from MP)	**64.59**				ft			03/12/24 12:27	1
Elevation of well (ft from MP)	**603.80**				ft			03/12/24 12:27	1
Field pH	**7.49**				SU			03/12/24 12:27	1
Field Temperature	**57.9**				Degrees F			03/12/24 12:27	1
Ground Water Elevation	**539.21**				ft			03/12/24 12:27	1
Specific Conductance	**941**				umhos/cm			03/12/24 12:27	1
Well bottom elevation	**471.05**				ft			03/12/24 12:27	1
Field Turbidity	**0.58**				NTU			03/12/24 12:27	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G45S Dup

Date Collected: 03/12/24 12:27
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 15:19	1
Arsenic	**0.0089**		0.0010		mg/L		03/13/24 16:54	03/19/24 15:19	1
Barium	**0.035**		0.0025		mg/L		03/13/24 16:54	03/19/24 15:19	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 15:19	1
Boron	**0.38**		0.050		mg/L		03/13/24 16:54	03/21/24 16:31	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 15:19	1
Calcium	**85**		0.20		mg/L		03/13/24 16:54	03/19/24 15:19	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 15:19	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 15:19	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 15:19	1
Lithium	**0.027**		0.010		mg/L		03/13/24 16:54	03/19/24 15:19	1
Molybdenum	**0.013**		0.0050		mg/L		03/13/24 16:54	03/19/24 15:19	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 15:19	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 15:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**660**		10		mg/L			03/13/24 19:58	1
Chloride (SM 4500 Cl- E)	**110**		10		mg/L			03/13/24 13:10	5
Fluoride (SM 4500 F C)	**0.36**		0.10		mg/L			03/21/24 14:45	1
Sulfate (SM 4500 SO4 E)	**150**		25		mg/L			03/13/24 15:17	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**61.62**				ft			03/12/24 12:27	1
Depth to Water (ft from MP)	**64.59**				ft			03/12/24 12:27	1
Elevation of well (ft from MP)	**603.80**				ft			03/12/24 12:27	1
Field pH	**7.49**				SU			03/12/24 12:27	1
Field Temperature	**57.9**				Degrees F			03/12/24 12:27	1
Ground Water Elevation	**539.21**				ft			03/12/24 12:27	1
Specific Conductance	**941**				umhos/cm			03/12/24 12:27	1
Well bottom elevation	**471.05**				ft			03/12/24 12:27	1
Field Turbidity	**0.58**				NTU			03/12/24 12:27	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T01S

Date Collected: 03/13/24 09:58
Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/14/24 16:54	03/19/24 16:00	1
Arsenic	**0.012**		0.0010		mg/L		03/14/24 16:54	03/19/24 16:00	1
Barium	**0.078**		0.0025		mg/L		03/14/24 16:54	03/19/24 16:00	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/14/24 16:54	03/19/24 16:00	1
Boron	**3.4**		0.050		mg/L		03/14/24 16:54	03/21/24 16:46	1
Cadmium	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:00	1
Calcium	**49**		0.20		mg/L		03/14/24 16:54	03/19/24 16:00	1
Chromium	**0.014**		0.0050		mg/L		03/14/24 16:54	03/19/24 16:00	1
Cobalt	**0.0069**		0.0010		mg/L		03/14/24 16:54	03/19/24 16:00	1
Lead	**0.0069**		0.00050		mg/L		03/14/24 16:54	03/19/24 16:00	1
Lithium	**0.022**		0.010		mg/L		03/14/24 16:54	03/19/24 16:00	1
Molybdenum	**0.29**		0.0050		mg/L		03/14/24 16:54	03/19/24 16:00	1
Selenium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 16:00	1
Thallium	<0.0020		0.0020		mg/L		03/14/24 16:54	03/19/24 16:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**910**		10		mg/L			03/13/24 20:01	1
Chloride (SM 4500 Cl- E)	**99**		10		mg/L			03/14/24 14:22	5
Fluoride (SM 4500 F C)	**1.1**		0.10		mg/L			03/21/24 15:01	1
Sulfate (SM 4500 SO4 E)	**420**		50		mg/L			03/17/24 12:00	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**120.39**				ft			03/13/24 09:58	1
Depth to Water (ft from MP)	**122.87**				ft			03/13/24 09:58	1
Elevation of well (ft from MP)	**621.84**				ft			03/13/24 09:58	1
Field pH	**7.53**				SU			03/13/24 09:58	1
Field Temperature	**56.3**				Degrees F			03/13/24 09:58	1
Ground Water Elevation	**498.97**				ft			03/13/24 09:58	1
Specific Conductance	**1359**				umhos/cm			03/13/24 09:58	1
Well bottom elevation	**451.46**				ft			03/13/24 09:58	1
Field Turbidity	**379**				NTU			03/13/24 09:58	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T08S

Date Collected: 03/13/24 12:02
Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/14/24 16:54	03/19/24 16:04	1
Arsenic	**0.016**		0.0010		mg/L		03/14/24 16:54	03/19/24 16:04	1
Barium	**0.024**		0.0025		mg/L		03/14/24 16:54	03/19/24 16:04	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/14/24 16:54	03/19/24 16:04	1
Boron	**9.1**		0.50		mg/L		03/14/24 16:54	03/21/24 16:50	10
Cadmium	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:04	1
Calcium	**20**		0.20		mg/L		03/14/24 16:54	03/19/24 16:04	1
Chromium	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 16:04	1
Cobalt	<0.0010		0.0010		mg/L		03/14/24 16:54	03/19/24 16:04	1
Lead	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:04	1
Lithium	**0.044**		0.010		mg/L		03/14/24 16:54	03/19/24 16:04	1
Molybdenum	**0.74**		0.0050		mg/L		03/14/24 16:54	03/19/24 16:04	1
Selenium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 16:04	1
Thallium	<0.0020		0.0020		mg/L		03/14/24 16:54	03/19/24 16:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**940**		10		mg/L			03/13/24 20:03	1
Chloride (SM 4500 Cl- E)	**81**		4.0		mg/L			03/14/24 14:22	2
Fluoride (SM 4500 F C)	**0.57**		0.10		mg/L			03/21/24 15:07	1
Sulfate (SM 4500 SO4 E)	**470**		50		mg/L			03/17/24 12:00	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**127.34**				ft			03/13/24 12:02	1
Depth to Water (ft from MP)	**129.72**				ft			03/13/24 12:02	1
Elevation of well (ft from MP)	**627.55**				ft			03/13/24 12:02	1
Field pH	**8.91**				SU			03/13/24 12:02	1
Field Temperature	**60.8**				Degrees F			03/13/24 12:02	1
Ground Water Elevation	**497.83**				ft			03/13/24 12:02	1
Specific Conductance	**1392**				umhos/cm			03/13/24 12:02	1
Well bottom elevation	**447.38**				ft			03/13/24 12:02	1
Field Turbidity	**13.40**				NTU			03/13/24 12:02	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T11S

Date Collected: 03/13/24 13:45
Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/14/24 16:54	03/19/24 16:14	1
Arsenic	**0.0014**		0.0010		mg/L		03/14/24 16:54	03/19/24 16:14	1
Barium	**0.044**		0.0025		mg/L		03/14/24 16:54	03/19/24 16:14	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/14/24 16:54	03/19/24 16:14	1
Boron	**0.25**		0.050		mg/L		03/14/24 16:54	03/21/24 16:54	1
Cadmium	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:14	1
Calcium	**110**		0.20		mg/L		03/14/24 16:54	03/19/24 16:14	1
Chromium	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 16:14	1
Cobalt	<0.0010		0.0010		mg/L		03/14/24 16:54	03/19/24 16:14	1
Lead	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:14	1
Lithium	**0.021**		0.010		mg/L		03/14/24 16:54	03/19/24 16:14	1
Molybdenum	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 16:14	1
Selenium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 16:14	1
Thallium	<0.0020		0.0020		mg/L		03/14/24 16:54	03/19/24 16:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**640**		10		mg/L			03/13/24 20:06	1
Chloride (SM 4500 Cl- E)	**37**		2.0		mg/L			03/14/24 13:55	1
Fluoride (SM 4500 F C)	**0.24**		0.10		mg/L			03/21/24 15:13	1
Sulfate (SM 4500 SO4 E)	**210**		25		mg/L			03/17/24 11:50	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**65.41**				ft			03/13/24 13:45	1
Depth to Water (ft from MP)	**68.15**				ft			03/13/24 13:45	1
Elevation of well (ft from MP)	**559.48**				ft			03/13/24 13:45	1
Field pH	**7.63**				SU			03/13/24 13:45	1
Field Temperature	**62.8**				Degrees F			03/13/24 13:45	1
Ground Water Elevation	**491.33**				ft			03/13/24 13:45	1
Specific Conductance	**922**				umhos/cm			03/13/24 13:45	1
Well bottom elevation	**445.60**				ft			03/13/24 13:45	1
Field Turbidity	**66.20**				NTU			03/13/24 13:45	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.

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.

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: 757455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total Recoverable	Water	3005A	
500-246814-2	R08S	Total Recoverable	Water	3005A	
500-246814-3	G31S	Total Recoverable	Water	3005A	
500-246814-4	G33S	Total Recoverable	Water	3005A	
500-246814-5	G47S	Total Recoverable	Water	3005A	
500-246814-6	T13S	Total Recoverable	Water	3005A	
500-246814-7	T12S	Total Recoverable	Water	3005A	
500-246814-8	G44S	Total Recoverable	Water	3005A	
500-246814-9	G39S	Total Recoverable	Water	3005A	
500-246814-10	G48S	Total Recoverable	Water	3005A	
500-246814-11	G30S	Total Recoverable	Water	3005A	
500-246814-12	R32S	Total Recoverable	Water	3005A	
500-246814-13	G46S	Total Recoverable	Water	3005A	
MB 500-757455/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-757455/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-246814-1 MS	G20S	Total Recoverable	Water	3005A	
500-246814-1 MSD	G20S	Total Recoverable	Water	3005A	
500-246814-1 DU	G20S	Total Recoverable	Water	3005A	

Prep Batch: 758164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total Recoverable	Water	3005A	
500-246814-15	T06S	Total Recoverable	Water	3005A	
500-246814-16	T05S	Total Recoverable	Water	3005A	
500-246814-17	T02S	Total Recoverable	Water	3005A	
500-246814-18	T03S	Total Recoverable	Water	3005A	
500-246814-19	G45S	Total Recoverable	Water	3005A	
500-246814-20	G45S Dup	Total Recoverable	Water	3005A	
MB 500-758164/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-758164/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-246814-14 MS	T09S	Total Recoverable	Water	3005A	
500-246814-14 MSD	T09S	Total Recoverable	Water	3005A	
500-246814-14 DU	T09S	Total Recoverable	Water	3005A	

Prep Batch: 758383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total Recoverable	Water	3005A	
500-246814-22	T08S	Total Recoverable	Water	3005A	
500-246814-23	T11S	Total Recoverable	Water	3005A	
MB 500-758383/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-758383/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 758939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	7470A	
500-246814-2	R08S	Total/NA	Water	7470A	
500-246814-3	G31S	Total/NA	Water	7470A	
500-246814-4	G33S	Total/NA	Water	7470A	
MB 500-758939/13-A	Method Blank	Total/NA	Water	7470A	
LCS 500-758939/12-A	Lab Control Sample	Total/NA	Water	7470A	

Metals

Analysis Batch: 759098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total Recoverable	Water	6020B	757455
500-246814-2	R08S	Total Recoverable	Water	6020B	757455
500-246814-3	G31S	Total Recoverable	Water	6020B	757455
500-246814-4	G33S	Total Recoverable	Water	6020B	757455
500-246814-5	G47S	Total Recoverable	Water	6020B	757455
500-246814-6	T13S	Total Recoverable	Water	6020B	757455
500-246814-7	T12S	Total Recoverable	Water	6020B	757455
500-246814-8	G44S	Total Recoverable	Water	6020B	757455
500-246814-9	G39S	Total Recoverable	Water	6020B	757455
500-246814-10	G48S	Total Recoverable	Water	6020B	757455
500-246814-11	G30S	Total Recoverable	Water	6020B	757455
500-246814-12	R32S	Total Recoverable	Water	6020B	757455
500-246814-13	G46S	Total Recoverable	Water	6020B	757455
500-246814-14	T09S	Total Recoverable	Water	6020B	758164
500-246814-15	T06S	Total Recoverable	Water	6020B	758164
500-246814-16	T05S	Total Recoverable	Water	6020B	758164
500-246814-17	T02S	Total Recoverable	Water	6020B	758164
500-246814-18	T03S	Total Recoverable	Water	6020B	758164
500-246814-19	G45S	Total Recoverable	Water	6020B	758164
500-246814-20	G45S Dup	Total Recoverable	Water	6020B	758164
500-246814-21	T01S	Total Recoverable	Water	6020B	758383
500-246814-22	T08S	Total Recoverable	Water	6020B	758383
500-246814-23	T11S	Total Recoverable	Water	6020B	758383
MB 500-757455/1-A	Method Blank	Total Recoverable	Water	6020B	757455
MB 500-758164/1-A	Method Blank	Total Recoverable	Water	6020B	758164
MB 500-758383/1-A	Method Blank	Total Recoverable	Water	6020B	758383
LCS 500-757455/2-A	Lab Control Sample	Total Recoverable	Water	6020B	757455
LCS 500-758164/2-A	Lab Control Sample	Total Recoverable	Water	6020B	758164
LCS 500-758383/2-A	Lab Control Sample	Total Recoverable	Water	6020B	758383
500-246814-1 MS	G20S	Total Recoverable	Water	6020B	757455
500-246814-1 MSD	G20S	Total Recoverable	Water	6020B	757455
500-246814-14 MS	T09S	Total Recoverable	Water	6020B	758164
500-246814-14 MSD	T09S	Total Recoverable	Water	6020B	758164
500-246814-1 DU	G20S	Total Recoverable	Water	6020B	757455
500-246814-14 DU	T09S	Total Recoverable	Water	6020B	758164

Prep Batch: 759146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-5	G47S	Total/NA	Water	7470A	
500-246814-6	T13S	Total/NA	Water	7470A	
500-246814-7	T12S	Total/NA	Water	7470A	
500-246814-8	G44S	Total/NA	Water	7470A	
500-246814-9	G39S	Total/NA	Water	7470A	
500-246814-10	G48S	Total/NA	Water	7470A	
500-246814-11	G30S	Total/NA	Water	7470A	
500-246814-12	R32S	Total/NA	Water	7470A	
500-246814-13	G46S	Total/NA	Water	7470A	
500-246814-14	T09S	Total/NA	Water	7470A	
500-246814-15	T06S	Total/NA	Water	7470A	
500-246814-16	T05S	Total/NA	Water	7470A	
500-246814-17	T02S	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 759146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-18	T03S	Total/NA	Water	7470A	
500-246814-19	G45S	Total/NA	Water	7470A	
500-246814-20	G45S Dup	Total/NA	Water	7470A	
500-246814-21	T01S	Total/NA	Water	7470A	
500-246814-22	T08S	Total/NA	Water	7470A	
500-246814-23	T11S	Total/NA	Water	7470A	
MB 500-759146/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-759146/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-246814-15 MS	T06S	Total/NA	Water	7470A	
500-246814-15 MSD	T06S	Total/NA	Water	7470A	
500-246814-15 DU	T06S	Total/NA	Water	7470A	

Analysis Batch: 759169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	7470A	758939
500-246814-2	R08S	Total/NA	Water	7470A	758939
500-246814-3	G31S	Total/NA	Water	7470A	758939
500-246814-4	G33S	Total/NA	Water	7470A	758939
MB 500-758939/13-A	Method Blank	Total/NA	Water	7470A	758939
LCS 500-758939/12-A	Lab Control Sample	Total/NA	Water	7470A	758939

Analysis Batch: 759390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-5	G47S	Total/NA	Water	7470A	759146
500-246814-6	T13S	Total/NA	Water	7470A	759146
500-246814-7	T12S	Total/NA	Water	7470A	759146
500-246814-8	G44S	Total/NA	Water	7470A	759146
500-246814-9	G39S	Total/NA	Water	7470A	759146
500-246814-10	G48S	Total/NA	Water	7470A	759146
500-246814-11	G30S	Total/NA	Water	7470A	759146
500-246814-12	R32S	Total/NA	Water	7470A	759146
500-246814-13	G46S	Total/NA	Water	7470A	759146
500-246814-14	T09S	Total/NA	Water	7470A	759146
500-246814-15	T06S	Total/NA	Water	7470A	759146
500-246814-16	T05S	Total/NA	Water	7470A	759146
500-246814-17	T02S	Total/NA	Water	7470A	759146
500-246814-18	T03S	Total/NA	Water	7470A	759146
500-246814-19	G45S	Total/NA	Water	7470A	759146
500-246814-20	G45S Dup	Total/NA	Water	7470A	759146
500-246814-21	T01S	Total/NA	Water	7470A	759146
500-246814-22	T08S	Total/NA	Water	7470A	759146
500-246814-23	T11S	Total/NA	Water	7470A	759146
MB 500-759146/12-A	Method Blank	Total/NA	Water	7470A	759146
LCS 500-759146/13-A	Lab Control Sample	Total/NA	Water	7470A	759146
500-246814-15 MS	T06S	Total/NA	Water	7470A	759146
500-246814-15 MSD	T06S	Total/NA	Water	7470A	759146
500-246814-15 DU	T06S	Total/NA	Water	7470A	759146

Analysis Batch: 759520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-19	G45S	Total Recoverable	Water	6020B	758164

Metals (Continued)

Analysis Batch: 759520 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-20	G45S Dup	Total Recoverable	Water	6020B	758164
500-246814-21	T01S	Total Recoverable	Water	6020B	758383
500-246814-22	T08S	Total Recoverable	Water	6020B	758383
500-246814-23	T11S	Total Recoverable	Water	6020B	758383
MB 500-758164/1-A	Method Blank	Total Recoverable	Water	6020B	758164
MB 500-758383/1-A	Method Blank	Total Recoverable	Water	6020B	758383
LCS 500-758164/2-A	Lab Control Sample	Total Recoverable	Water	6020B	758164
LCS 500-758383/2-A	Lab Control Sample	Total Recoverable	Water	6020B	758383

General Chemistry

Analysis Batch: 756599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	SM 4500 Cl- E	
500-246814-2	R08S	Total/NA	Water	SM 4500 Cl- E	
MB 500-756599/23	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-756599/24	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 756601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	SM 4500 SO4 E	
500-246814-2	R08S	Total/NA	Water	SM 4500 SO4 E	
MB 500-756601/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-756601/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 756625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	SM 2540C	
500-246814-2	R08S	Total/NA	Water	SM 2540C	
MB 500-756625/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-756625/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 756990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	SM 2540C	
500-246814-4	G33S	Total/NA	Water	SM 2540C	
500-246814-5	G47S	Total/NA	Water	SM 2540C	
MB 500-756990/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-756990/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246814-3 MS	G31S	Total/NA	Water	SM 2540C	
500-246814-3 DU	G31S	Total/NA	Water	SM 2540C	
500-246814-4 DU	G33S	Total/NA	Water	SM 2540C	

Analysis Batch: 757396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-6	T13S	Total/NA	Water	SM 2540C	
500-246814-7	T12S	Total/NA	Water	SM 2540C	
500-246814-8	G44S	Total/NA	Water	SM 2540C	
500-246814-9	G39S	Total/NA	Water	SM 2540C	
500-246814-10	G48S	Total/NA	Water	SM 2540C	
500-246814-11	G30S	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 757396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-12	R32S	Total/NA	Water	SM 2540C	
500-246814-13	G46S	Total/NA	Water	SM 2540C	
MB 500-757396/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-757396/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246814-6 MS	T13S	Total/NA	Water	SM 2540C	
500-246814-6 DU	T13S	Total/NA	Water	SM 2540C	
500-246814-7 DU	T12S	Total/NA	Water	SM 2540C	

Analysis Batch: 757549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	SM 4500 Cl- E	
500-246814-4	G33S	Total/NA	Water	SM 4500 Cl- E	
500-246814-6	T13S	Total/NA	Water	SM 4500 Cl- E	
500-246814-7	T12S	Total/NA	Water	SM 4500 Cl- E	
500-246814-8	G44S	Total/NA	Water	SM 4500 Cl- E	
500-246814-9	G39S	Total/NA	Water	SM 4500 Cl- E	
500-246814-10	G48S	Total/NA	Water	SM 4500 Cl- E	
500-246814-11	G30S	Total/NA	Water	SM 4500 Cl- E	
500-246814-12	R32S	Total/NA	Water	SM 4500 Cl- E	
500-246814-13	G46S	Total/NA	Water	SM 4500 Cl- E	
MB 500-757549/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-757549/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 757667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	SM 4500 SO4 E	
500-246814-4	G33S	Total/NA	Water	SM 4500 SO4 E	
500-246814-5	G47S	Total/NA	Water	SM 4500 SO4 E	
500-246814-6	T13S	Total/NA	Water	SM 4500 SO4 E	
500-246814-7	T12S	Total/NA	Water	SM 4500 SO4 E	
500-246814-8	G44S	Total/NA	Water	SM 4500 SO4 E	
500-246814-9	G39S	Total/NA	Water	SM 4500 SO4 E	
500-246814-10	G48S	Total/NA	Water	SM 4500 SO4 E	
500-246814-11	G30S	Total/NA	Water	SM 4500 SO4 E	
500-246814-12	R32S	Total/NA	Water	SM 4500 SO4 E	
500-246814-13	G46S	Total/NA	Water	SM 4500 SO4 E	
MB 500-757667/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-757667/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-246814-8 MS	G44S	Total/NA	Water	SM 4500 SO4 E	
500-246814-8 MSD	G44S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 757698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-5	G47S	Total/NA	Water	SM 4500 Cl- E	
MB 500-757698/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-757698/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-246814-5 MS	G47S	Total/NA	Water	SM 4500 Cl- E	
500-246814-5 MSD	G47S	Total/NA	Water	SM 4500 Cl- E	

General Chemistry

Analysis Batch: 757777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	SM 2540C	
500-246814-15	T06S	Total/NA	Water	SM 2540C	
500-246814-16	T05S	Total/NA	Water	SM 2540C	
MB 500-757777/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-757777/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246814-14 MS	T09S	Total/NA	Water	SM 2540C	
500-246814-14 DU	T09S	Total/NA	Water	SM 2540C	

Analysis Batch: 758128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	SM 4500 Cl- E	
500-246814-15	T06S	Total/NA	Water	SM 4500 Cl- E	
500-246814-16	T05S	Total/NA	Water	SM 4500 Cl- E	
500-246814-17	T02S	Total/NA	Water	SM 4500 Cl- E	
500-246814-18	T03S	Total/NA	Water	SM 4500 Cl- E	
500-246814-19	G45S	Total/NA	Water	SM 4500 Cl- E	
500-246814-20	G45S Dup	Total/NA	Water	SM 4500 Cl- E	
MB 500-758128/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-758128/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 758155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	SM 4500 SO4 E	
500-246814-15	T06S	Total/NA	Water	SM 4500 SO4 E	
500-246814-16	T05S	Total/NA	Water	SM 4500 SO4 E	
500-246814-17	T02S	Total/NA	Water	SM 4500 SO4 E	
500-246814-18	T03S	Total/NA	Water	SM 4500 SO4 E	
500-246814-19	G45S	Total/NA	Water	SM 4500 SO4 E	
500-246814-20	G45S Dup	Total/NA	Water	SM 4500 SO4 E	
MB 500-758155/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-758155/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-246814-16 MS	T05S	Total/NA	Water	SM 4500 SO4 E	
500-246814-16 MSD	T05S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 758206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-17	T02S	Total/NA	Water	SM 2540C	
500-246814-18	T03S	Total/NA	Water	SM 2540C	
500-246814-19	G45S	Total/NA	Water	SM 2540C	
500-246814-20	G45S Dup	Total/NA	Water	SM 2540C	
500-246814-21	T01S	Total/NA	Water	SM 2540C	
500-246814-22	T08S	Total/NA	Water	SM 2540C	
500-246814-23	T11S	Total/NA	Water	SM 2540C	
MB 500-758206/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-758206/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246814-17 MS	T02S	Total/NA	Water	SM 2540C	
500-246814-17 DU	T02S	Total/NA	Water	SM 2540C	
500-246814-18 DU	T03S	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 758381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total/NA	Water	SM 4500 Cl- E	
500-246814-22	T08S	Total/NA	Water	SM 4500 Cl- E	
500-246814-23	T11S	Total/NA	Water	SM 4500 Cl- E	
MB 500-758381/65	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-758381/66	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-246814-22 MS	T08S	Total/NA	Water	SM 4500 Cl- E	
500-246814-22 MSD	T08S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 758617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total/NA	Water	SM 4500 SO4 E	
500-246814-22	T08S	Total/NA	Water	SM 4500 SO4 E	
500-246814-23	T11S	Total/NA	Water	SM 4500 SO4 E	
MB 500-758617/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-758617/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-246814-23 MS	T11S	Total/NA	Water	SM 4500 SO4 E	
500-246814-23 MSD	T11S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 759436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	SM 4500 F C	
500-246814-2	R08S	Total/NA	Water	SM 4500 F C	
500-246814-3	G31S	Total/NA	Water	SM 4500 F C	
500-246814-4	G33S	Total/NA	Water	SM 4500 F C	
500-246814-5	G47S	Total/NA	Water	SM 4500 F C	
500-246814-6	T13S	Total/NA	Water	SM 4500 F C	
500-246814-7	T12S	Total/NA	Water	SM 4500 F C	
500-246814-8	G44S	Total/NA	Water	SM 4500 F C	
500-246814-9	G39S	Total/NA	Water	SM 4500 F C	
500-246814-10	G48S	Total/NA	Water	SM 4500 F C	
500-246814-11	G30S	Total/NA	Water	SM 4500 F C	
500-246814-12	R32S	Total/NA	Water	SM 4500 F C	
500-246814-13	G46S	Total/NA	Water	SM 4500 F C	
500-246814-14	T09S	Total/NA	Water	SM 4500 F C	
500-246814-15	T06S	Total/NA	Water	SM 4500 F C	
500-246814-16	T05S	Total/NA	Water	SM 4500 F C	
500-246814-17	T02S	Total/NA	Water	SM 4500 F C	
500-246814-18	T03S	Total/NA	Water	SM 4500 F C	
500-246814-19	G45S	Total/NA	Water	SM 4500 F C	
500-246814-20	G45S Dup	Total/NA	Water	SM 4500 F C	
500-246814-21	T01S	Total/NA	Water	SM 4500 F C	
500-246814-22	T08S	Total/NA	Water	SM 4500 F C	
500-246814-23	T11S	Total/NA	Water	SM 4500 F C	
MB 500-759436/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-759436/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-759436/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-759436/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-246814-1 MS	G20S	Total/NA	Water	SM 4500 F C	
500-246814-1 MSD	G20S	Total/NA	Water	SM 4500 F C	

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Field Service / Mobile Lab

Analysis Batch: 757183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	Field Sampling	
500-246814-2	R08S	Total/NA	Water	Field Sampling	
500-246814-3	G31S	Total/NA	Water	Field Sampling	
500-246814-4	G33S	Total/NA	Water	Field Sampling	
500-246814-5	G47S	Total/NA	Water	Field Sampling	
500-246814-6	T13S	Total/NA	Water	Field Sampling	
500-246814-7	T12S	Total/NA	Water	Field Sampling	
500-246814-8	G44S	Total/NA	Water	Field Sampling	
500-246814-9	G39S	Total/NA	Water	Field Sampling	
500-246814-10	G48S	Total/NA	Water	Field Sampling	
500-246814-11	G30S	Total/NA	Water	Field Sampling	
500-246814-12	R32S	Total/NA	Water	Field Sampling	
500-246814-13	G46S	Total/NA	Water	Field Sampling	
500-246814-14	T09S	Total/NA	Water	Field Sampling	
500-246814-15	T06S	Total/NA	Water	Field Sampling	
500-246814-16	T05S	Total/NA	Water	Field Sampling	
500-246814-17	T02S	Total/NA	Water	Field Sampling	
500-246814-18	T03S	Total/NA	Water	Field Sampling	
500-246814-19	G45S	Total/NA	Water	Field Sampling	
500-246814-20	G45S Dup	Total/NA	Water	Field Sampling	
500-246814-21	T01S	Total/NA	Water	Field Sampling	
500-246814-22	T08S	Total/NA	Water	Field Sampling	
500-246814-23	T11S	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-757455/1-A
Matrix: Water
Analysis Batch: 759098

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 757455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 12:20	1
Arsenic	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:20	1
Barium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 12:20	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 12:20	1
Boron	<0.050		0.050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Calcium	<0.20		0.20		mg/L		03/08/24 08:46	03/19/24 12:20	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:20	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Lithium	<0.010		0.010		mg/L		03/08/24 08:46	03/19/24 12:20	1
Molybdenum	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 12:20	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 12:20	1

Lab Sample ID: LCS 500-757455/2-A
Matrix: Water
Analysis Batch: 759098

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 757455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.497	^1+	mg/L		99	80 - 120
Arsenic	0.100	0.0927		mg/L		93	80 - 120
Barium	0.500	0.478		mg/L		96	80 - 120
Beryllium	0.0500	0.0467	^1+	mg/L		93	80 - 120
Boron	1.00	0.930		mg/L		93	80 - 120
Cadmium	0.0500	0.0508		mg/L		102	80 - 120
Calcium	10.0	10.4		mg/L		104	80 - 120
Chromium	0.200	0.191		mg/L		96	80 - 120
Cobalt	0.500	0.490		mg/L		98	80 - 120
Lead	0.100	0.0947		mg/L		95	80 - 120
Lithium	0.100	0.0939		mg/L		94	80 - 120
Molybdenum	1.00	0.921		mg/L		92	80 - 120
Selenium	0.100	0.0932		mg/L		93	80 - 120
Thallium	0.100	0.0956		mg/L		96	80 - 120

Lab Sample ID: 500-246814-1 MS
Matrix: Water
Analysis Batch: 759098

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 757455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030	^1+	0.500	0.514	^1+	mg/L		103	75 - 125
Arsenic	<0.0010		0.100	0.0958		mg/L		96	75 - 125
Barium	0.049		0.500	0.523		mg/L		95	75 - 125
Beryllium	<0.0010	^1+	0.0500	0.0495	^1+	mg/L		99	75 - 125
Boron	1.3		1.00	2.17		mg/L		87	75 - 125
Cadmium	<0.00050		0.0500	0.0513		mg/L		103	75 - 125
Calcium	63		10.0	67.4	4	mg/L		46	75 - 125
Chromium	<0.0050		0.200	0.195		mg/L		97	75 - 125
Cobalt	0.0011		0.500	0.491		mg/L		98	75 - 125

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

Lab Sample ID: 500-246814-1 MS
Matrix: Water
Analysis Batch: 759098

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 757455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.00050		0.100	0.0981		mg/L		98	75 - 125
Lithium	0.042		0.100	0.134		mg/L		92	75 - 125
Molybdenum	0.016		1.00	0.975		mg/L		96	75 - 125
Selenium	<0.0025		0.100	0.0942		mg/L		94	75 - 125
Thallium	<0.0020		0.100	0.0963		mg/L		96	75 - 125

Lab Sample ID: 500-246814-1 MSD
Matrix: Water
Analysis Batch: 759098

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 757455

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030	^1+	0.500	0.503	^1+	mg/L		101	75 - 125	2	20
Arsenic	<0.0010		0.100	0.0935		mg/L		93	75 - 125	2	20
Barium	0.049		0.500	0.514		mg/L		93	75 - 125	2	20
Beryllium	<0.0010	^1+	0.0500	0.0487	^1+	mg/L		97	75 - 125	2	20
Boron	1.3		1.00	2.19		mg/L		89	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0502		mg/L		100	75 - 125	2	20
Calcium	63		10.0	67.3	4	mg/L		45	75 - 125	0	20
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	0	20
Cobalt	0.0011		0.500	0.488		mg/L		97	75 - 125	1	20
Lead	<0.00050		0.100	0.0951		mg/L		95	75 - 125	3	20
Lithium	0.042		0.100	0.134		mg/L		92	75 - 125	0	20
Molybdenum	0.016		1.00	0.959		mg/L		94	75 - 125	2	20
Selenium	<0.0025		0.100	0.0927		mg/L		93	75 - 125	2	20
Thallium	<0.0020		0.100	0.0937		mg/L		94	75 - 125	3	20

Lab Sample ID: 500-246814-1 DU
Matrix: Water
Analysis Batch: 759098

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 757455

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030	^1+	<0.0030	^1+	mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.049		0.0473		mg/L		3	20
Beryllium	<0.0010	^1+	<0.0010	^1+	mg/L		NC	20
Boron	1.3		1.25		mg/L		4	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	63		59.0		mg/L		6	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	0.0011		0.00100		mg/L		6	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	0.042		0.0396		mg/L		7	20
Molybdenum	0.016		0.0152		mg/L		6	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

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

Lab Sample ID: MB 500-758164/1-A
Matrix: Water
Analysis Batch: 759098

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:17	1
Arsenic	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:17	1
Barium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:17	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:17	1
Boron	0.0515		0.050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Calcium	<0.20		0.20		mg/L		03/13/24 16:54	03/19/24 14:17	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:17	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Lithium	<0.010		0.010		mg/L		03/13/24 16:54	03/19/24 14:17	1
Molybdenum	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:17	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:17	1

Lab Sample ID: MB 500-758164/1-A
Matrix: Water
Analysis Batch: 759520

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		03/13/24 16:54	03/21/24 16:21	1

Lab Sample ID: LCS 500-758164/2-A
Matrix: Water
Analysis Batch: 759098

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.510	^1+	mg/L		102	80 - 120
Arsenic	0.100	0.0936		mg/L		94	80 - 120
Barium	0.500	0.488		mg/L		98	80 - 120
Beryllium	0.0500	0.0514	^1+	mg/L		103	80 - 120
Boron	1.00	1.08		mg/L		108	80 - 120
Cadmium	0.0500	0.0522		mg/L		104	80 - 120
Calcium	10.0	10.9		mg/L		109	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.500	0.512		mg/L		102	80 - 120
Lead	0.100	0.0989		mg/L		99	80 - 120
Lithium	0.100	0.103		mg/L		103	80 - 120
Molybdenum	1.00	0.944		mg/L		94	80 - 120
Selenium	0.100	0.0979		mg/L		98	80 - 120
Thallium	0.100	0.0983		mg/L		98	80 - 120

Lab Sample ID: LCS 500-758164/2-A
Matrix: Water
Analysis Batch: 759520

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.954		mg/L		95	80 - 120

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

Lab Sample ID: 500-246814-14 MS
Matrix: Water
Analysis Batch: 759098

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030	^1+	0.500	0.511	^1+	mg/L		102	75 - 125
Arsenic	0.0039		0.100	0.0972		mg/L		93	75 - 125
Barium	0.052		0.500	0.513		mg/L		92	75 - 125
Beryllium	<0.0010	^1+	0.0500	0.0454	^1+	mg/L		91	75 - 125
Boron	5.1	B	1.00	5.79	4	mg/L		67	75 - 125
Cadmium	<0.00050		0.0500	0.0509		mg/L		102	75 - 125
Calcium	110		10.0	116	4	mg/L		13	75 - 125
Chromium	<0.0050		0.200	0.194		mg/L		96	75 - 125
Cobalt	<0.0010		0.500	0.485		mg/L		97	75 - 125
Lead	0.0014		0.100	0.0976		mg/L		96	75 - 125
Lithium	0.065		0.100	0.156		mg/L		91	75 - 125
Molybdenum	0.62		1.00	1.55		mg/L		93	75 - 125
Selenium	<0.0025		0.100	0.0945		mg/L		94	75 - 125
Thallium	<0.0020		0.100	0.0944		mg/L		94	75 - 125

Lab Sample ID: 500-246814-14 MSD
Matrix: Water
Analysis Batch: 759098

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030	^1+	0.500	0.538	^1+	mg/L		108	75 - 125	5	20
Arsenic	0.0039		0.100	0.101		mg/L		97	75 - 125	4	20
Barium	0.052		0.500	0.522		mg/L		94	75 - 125	2	20
Beryllium	<0.0010	^1+	0.0500	0.0457	^1+	mg/L		91	75 - 125	1	20
Boron	5.1	B	1.00	5.95	4	mg/L		83	75 - 125	3	20
Cadmium	<0.00050		0.0500	0.0529		mg/L		106	75 - 125	4	20
Calcium	110		10.0	119	4	mg/L		36	75 - 125	2	20
Chromium	<0.0050		0.200	0.200		mg/L		99	75 - 125	3	20
Cobalt	<0.0010		0.500	0.500		mg/L		100	75 - 125	3	20
Lead	0.0014		0.100	0.102		mg/L		100	75 - 125	4	20
Lithium	0.065		0.100	0.161		mg/L		96	75 - 125	3	20
Molybdenum	0.62		1.00	1.62		mg/L		99	75 - 125	4	20
Selenium	<0.0025		0.100	0.0965		mg/L		97	75 - 125	2	20
Thallium	<0.0020		0.100	0.0951		mg/L		95	75 - 125	1	20

Lab Sample ID: 500-246814-14 DU
Matrix: Water
Analysis Batch: 759098

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030	^1+	<0.0030	^1+	mg/L		NC	20
Arsenic	0.0039		0.00397		mg/L		3	20
Barium	0.052		0.0520		mg/L		0.1	20
Beryllium	<0.0010	^1+	<0.0010	^1+	mg/L		NC	20
Boron	5.1	B	4.82		mg/L		6	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	110		111		mg/L		4	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20

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

Lab Sample ID: 500-246814-14 DU
Matrix: Water
Analysis Batch: 759098

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	0.0014		0.00147		mg/L		7	20
Lithium	0.065		0.0599		mg/L		9	20
Molybdenum	0.62		0.624		mg/L		0	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: MB 500-758383/1-A
Matrix: Water
Analysis Batch: 759098

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 758383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/14/24 16:54	03/19/24 15:53	1
Arsenic	<0.0010		0.0010		mg/L		03/14/24 16:54	03/19/24 15:53	1
Barium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 15:53	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/14/24 16:54	03/19/24 15:53	1
Cadmium	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 15:53	1
Calcium	<0.20		0.20		mg/L		03/14/24 16:54	03/19/24 15:53	1
Chromium	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 15:53	1
Cobalt	<0.0010		0.0010		mg/L		03/14/24 16:54	03/19/24 15:53	1
Lead	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 15:53	1
Lithium	<0.010		0.010		mg/L		03/14/24 16:54	03/19/24 15:53	1
Molybdenum	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 15:53	1
Selenium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 15:53	1
Thallium	<0.0020		0.0020		mg/L		03/14/24 16:54	03/19/24 15:53	1

Lab Sample ID: MB 500-758383/1-A
Matrix: Water
Analysis Batch: 759520

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 758383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		03/14/24 16:54	03/21/24 16:35	1

Lab Sample ID: LCS 500-758383/2-A
Matrix: Water
Analysis Batch: 759098

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 758383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.517	^1+	mg/L		103	80 - 120
Arsenic	0.100	0.0919		mg/L		92	80 - 120
Barium	0.500	0.474		mg/L		95	80 - 120
Beryllium	0.0500	0.0538	^1+	mg/L		108	80 - 120
Cadmium	0.0500	0.0519		mg/L		104	80 - 120
Calcium	10.0	10.6		mg/L		106	80 - 120
Chromium	0.200	0.201		mg/L		100	80 - 120
Cobalt	0.500	0.519		mg/L		104	80 - 120
Lead	0.100	0.0979		mg/L		98	80 - 120
Lithium	0.100	0.104		mg/L		104	80 - 120
Molybdenum	1.00	0.938		mg/L		94	80 - 120
Selenium	0.100	0.0988		mg/L		99	80 - 120

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

Lab Sample ID: LCS 500-758383/2-A
Matrix: Water
Analysis Batch: 759098

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 758383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.0975		mg/L		97	80 - 120

Lab Sample ID: LCS 500-758383/2-A
Matrix: Water
Analysis Batch: 759520

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 758383

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

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-758939/13-A
Matrix: Water
Analysis Batch: 759169

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:07	1

Lab Sample ID: LCS 500-758939/12-A
Matrix: Water
Analysis Batch: 759169

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00200		mg/L		100	80 - 120

Lab Sample ID: MB 500-759146/12-A
Matrix: Water
Analysis Batch: 759390

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:00	1

Lab Sample ID: LCS 500-759146/13-A
Matrix: Water
Analysis Batch: 759390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00186		mg/L		93	80 - 120

Lab Sample ID: 500-246814-15 MS
Matrix: Water
Analysis Batch: 759390

Client Sample ID: T06S
Prep Type: Total/NA
Prep Batch: 759146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000902		mg/L		90	75 - 125

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

Lab Sample ID: 500-246814-15 MSD
Matrix: Water
Analysis Batch: 759390

Client Sample ID: T06S
Prep Type: Total/NA
Prep Batch: 759146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000841		mg/L		84	75 - 125	7	20

Lab Sample ID: 500-246814-15 DU
Matrix: Water
Analysis Batch: 759390

Client Sample ID: T06S
Prep Type: Total/NA
Prep Batch: 759146

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

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

Lab Sample ID: MB 500-756625/1
Matrix: Water
Analysis Batch: 756625

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			03/03/24 23:42	1

Lab Sample ID: LCS 500-756625/2
Matrix: Water
Analysis Batch: 756625

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	226		mg/L		90	80 - 120		

Lab Sample ID: MB 500-756990/1
Matrix: Water
Analysis Batch: 756990

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			03/06/24 02:42	1

Lab Sample ID: LCS 500-756990/2
Matrix: Water
Analysis Batch: 756990

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	246		mg/L		98	80 - 120		

Lab Sample ID: 500-246814-3 MS
Matrix: Water
Analysis Batch: 756990

Client Sample ID: G31S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	1000		250	1230	4	mg/L		77	75 - 125		

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

Lab Sample ID: 500-246814-3 DU
Matrix: Water
Analysis Batch: 756990

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	1000		1010		mg/L		2	5

Lab Sample ID: 500-246814-4 DU
Matrix: Water
Analysis Batch: 756990

Client Sample ID: G33S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	360		358		mg/L		0.6	5

Lab Sample ID: MB 500-757396/1
Matrix: Water
Analysis Batch: 757396

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			03/07/24 20:53	1

Lab Sample ID: LCS 500-757396/2
Matrix: Water
Analysis Batch: 757396

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	242		mg/L		97	80 - 120

Lab Sample ID: 500-246814-6 MS
Matrix: Water
Analysis Batch: 757396

Client Sample ID: T13S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	640		250	834		mg/L		76	75 - 125

Lab Sample ID: 500-246814-6 DU
Matrix: Water
Analysis Batch: 757396

Client Sample ID: T13S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	640		624		mg/L		3	5

Lab Sample ID: 500-246814-7 DU
Matrix: Water
Analysis Batch: 757396

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	760		762		mg/L		0.3	5

Lab Sample ID: MB 500-757777/1
Matrix: Water
Analysis Batch: 757777

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			03/12/24 07:45	1

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

Lab Sample ID: LCS 500-757777/2
Matrix: Water
Analysis Batch: 757777

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	266		mg/L		106	80 - 120		

Lab Sample ID: 500-246814-14 MS
Matrix: Water
Analysis Batch: 757777

Client Sample ID: T09S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	820		250	1070		mg/L		102	75 - 125		

Lab Sample ID: 500-246814-14 DU
Matrix: Water
Analysis Batch: 757777

Client Sample ID: T09S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	820			814		mg/L				0.5	5

Lab Sample ID: MB 500-758206/1
Matrix: Water
Analysis Batch: 758206

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			03/13/24 19:38	1

Lab Sample ID: LCS 500-758206/2
Matrix: Water
Analysis Batch: 758206

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: 500-246814-17 MS
Matrix: Water
Analysis Batch: 758206

Client Sample ID: T02S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	870		250	1150		mg/L		114	75 - 125		

Lab Sample ID: 500-246814-17 DU
Matrix: Water
Analysis Batch: 758206

Client Sample ID: T02S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	870			908		mg/L				5	5

Lab Sample ID: 500-246814-18 DU
Matrix: Water
Analysis Batch: 758206

Client Sample ID: T03S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	890			912		mg/L				3	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-756599/23
Matrix: Water
Analysis Batch: 756599

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			03/03/24 11:51	1

Lab Sample ID: LCS 500-756599/24
Matrix: Water
Analysis Batch: 756599

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	20.4		mg/L		102	85 - 115

Lab Sample ID: MB 500-757549/16
Matrix: Water
Analysis Batch: 757549

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			03/10/24 11:24	1

Lab Sample ID: LCS 500-757549/17
Matrix: Water
Analysis Batch: 757549

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	20.6		mg/L		103	85 - 115

Lab Sample ID: MB 500-757698/16
Matrix: Water
Analysis Batch: 757698

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			03/11/24 13:37	1

Lab Sample ID: LCS 500-757698/17
Matrix: Water
Analysis Batch: 757698

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	21.0		mg/L		105	85 - 115

Lab Sample ID: 500-246814-5 MS
Matrix: Water
Analysis Batch: 757698

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		20.0	118	4	mg/L		88	75 - 125

Lab Sample ID: 500-246814-5 MSD
Matrix: Water
Analysis Batch: 757698

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		20.0	117	4	mg/L		84	75 - 125	1	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-758128/16
Matrix: Water
Analysis Batch: 758128

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			03/13/24 12:51	1

Lab Sample ID: LCS 500-758128/17
Matrix: Water
Analysis Batch: 758128

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

Lab Sample ID: MB 500-758381/65
Matrix: Water
Analysis Batch: 758381

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			03/14/24 13:54	1

Lab Sample ID: LCS 500-758381/66
Matrix: Water
Analysis Batch: 758381

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	20.8		mg/L		104	85 - 115

Lab Sample ID: 500-246814-22 MS
Matrix: Water
Analysis Batch: 758381

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	81		20.0	106	4	mg/L		121	75 - 125

Lab Sample ID: 500-246814-22 MSD
Matrix: Water
Analysis Batch: 758381

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	81		20.0	105	4	mg/L		116	75 - 125	1	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-759436/3
Matrix: Water
Analysis Batch: 759436

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			03/21/24 12:30	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-759436/31
Matrix: Water
Analysis Batch: 759436

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			03/21/24 14:50	1

Lab Sample ID: LCS 500-759436/32
Matrix: Water
Analysis Batch: 759436

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	9.96		mg/L		100	90 - 119

Lab Sample ID: LCS 500-759436/4
Matrix: Water
Analysis Batch: 759436

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	10.0		mg/L		100	90 - 119

Lab Sample ID: 500-246814-1 MS
Matrix: Water
Analysis Batch: 759436

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.79		5.00	5.87		mg/L		102	75 - 125

Lab Sample ID: 500-246814-1 MSD
Matrix: Water
Analysis Batch: 759436

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.79		5.00	5.82		mg/L		101	75 - 125	1	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-756601/16
Matrix: Water
Analysis Batch: 756601

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			03/03/24 14:13	1

Lab Sample ID: LCS 500-756601/17
Matrix: Water
Analysis Batch: 756601

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.4		mg/L		107	88 - 123

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

Lab Sample ID: MB 500-757667/16
Matrix: Water
Analysis Batch: 757667

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			03/11/24 12:07	1

Lab Sample ID: LCS 500-757667/17
Matrix: Water
Analysis Batch: 757667

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	20.9		mg/L		105	88 - 123

Lab Sample ID: 500-246814-8 MS
Matrix: Water
Analysis Batch: 757667

Client Sample ID: G44S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	150		20.0	169	4	mg/L		76	75 - 125

Lab Sample ID: 500-246814-8 MSD
Matrix: Water
Analysis Batch: 757667

Client Sample ID: G44S
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	169	4	mg/L		75	75 - 125	0	20

Lab Sample ID: MB 500-758155/16
Matrix: Water
Analysis Batch: 758155

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			03/13/24 15:01	1

Lab Sample ID: LCS 500-758155/17
Matrix: Water
Analysis Batch: 758155

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.1		mg/L		106	88 - 123

Lab Sample ID: 500-246814-16 MS
Matrix: Water
Analysis Batch: 758155

Client Sample ID: T05S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	590		20.0	601	4	mg/L		69	75 - 125

Lab Sample ID: 500-246814-16 MSD
Matrix: Water
Analysis Batch: 758155

Client Sample ID: T05S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	590		20.0	592	4	mg/L		25	75 - 125	1	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-758617/16
Matrix: Water
Analysis Batch: 758617

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			03/17/24 11:32	1

Lab Sample ID: LCS 500-758617/17
Matrix: Water
Analysis Batch: 758617

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	21.6		mg/L		108	88 - 123		

Lab Sample ID: 500-246814-23 MS
Matrix: Water
Analysis Batch: 758617

Client Sample ID: T11S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	210		20.0	227	4	mg/L		73	75 - 125		

Lab Sample ID: 500-246814-23 MSD
Matrix: Water
Analysis Batch: 758617

Client Sample ID: T11S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	210		20.0	223	4	mg/L		56	75 - 125	2	20

Eurofins North Central
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No:
	Noe Lopez / James Reed	Mockler, Diana J		500-82773-37779 1
Client Contact: Mr John Niedzwiecki	Phone	E-Mail: diana.mockler@et.eurofinsus.com		Page: Page
Company: Midwest Generation				Job #: 500-246814

Address	Due Date Requested	City	TAT Requested (days)	State, Zip	Phone	PO #:	Email	WO #	Project Name	Project #	Site	SSOW#
1800 Channahon Road		Joliet		IL, 60436	815-671-2258(Tel)	4502120600			Joliet #9 CCR 1Q24	50011504	Illinois	

500-246814 COC

Analysis Requested

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	Z	other (specify)

Other:

Sample Identification	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903- Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D	N					
G20S	02/29/24	0944		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	*Metals List. Sb,As Ba Be B,Cd Ca,Cr Co Li,Pb,Mo SeTl
R08S	02/29/24	1327		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
				Water												
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				Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	02/29/24 1444	ETA		2/29/24 1444	ETA
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
		2.1→1.6

Eurofins North Central
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-82773-37779 1
Client Contact: Mr John Niedzwiecki	Phone	E-Mail: diana.mockler@et.eurofinsus.com		Page: Page
Company: Midwest Generation				Job #: 508-246814

Address: 1800 Channahon Road	Due Date Requested	Analysis Requested
City: Joliet	TAT Requested (days)	
State, Zip: IL, 60436		
Phone: 815-671-2258(Tel)	PO #: 4502120600	500-246814 COC
Email:	WO #:	
Project Name: Joliet #9 CCR 1Q24	Project #: 50011504	
Site: Illinois	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, Z - other (specify)
Other:

Sample Identification	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903- Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D	N					
3 G315	03/04/24	1119		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	*Metals List: Sb As Ba,Be B,Cd,Ca,Cr,Co,Li Pb Mo SeTl
4 G335	03/04/24	1206		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
5 G475	03/04/24	1326		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
				Water												
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				Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	03/04/24 e 1455	EET		3/4/24 1455	EET
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: 4.5 → 4.0

Eurofins North Central
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s).	COC No.: 500-82773-37779 1
Client Contact: Mr John Niedzwiecki	Phone:	E-Mail: diana.mockler@et.eurofinsus.com		Page: Page
Company: Midwest Generation				Job #: 500-246814

Address	Due Date Requested	Analysis Requested	Preservation Codes
1800 Channahon Road			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 Z other (specify)
City: Joliet	TAT Requested (days)		
State Zip: IL, 60436			
Phone: 815-671-2258(Tel)	PO #: 4502120600		Other:
Email	WO #:		
Project Name: Joliet #9 CCR 1Q24	Project #: 50011504		
Site: Illinois	SSOW#:		

500-246814 COC

Sample Identification	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903- Rad 226	904 - Rad 228	Rad Combined					Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D	N									
T13S	03/06/24	0939		Water			✓	✓	✓	✓	✓	✓	✓	✓					5	*Metals List: Sb,As,Ba,Be B Cd Ca Cr Co Li Pb Mo SeTl
T12S	03/06/24	1033		Water			✓	✓	✓	✓	✓	✓	✓	✓					5	
G44S	03/06/24	1120		Water			✓	✓	✓	✓	✓	✓	✓	✓					5	
G39S	03/06/24	1251		Water			✓	✓	✓	✓	✓	✓	✓	✓					5	
G48S	03/06/24	1345		Water			✓	✓	✓	✓	✓	✓	✓	✓					5	
				Water																
				Water																
				Water																
				Water																
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				Water																

6788910

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	03/06/24 1522	EEA			
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: 2.8 → 2.3

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-119638-47930 1
Client Contact: James Thorne	Phone:	E-Mail: Diana Mockler@et eurofinsus com	State of Origin:	Page: Page 1
Company: Midwest Generation EME LLC	PWSID:			Job #: 500-246814

Address: 1800 Channahon Road	Due Date Requested:	Analysis Requested	Preservation Codes
City: Joliet	TAT Requested (days):		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)
State, Zip: IL, 60436	Compliance Project: Δ Yes Δ No		
Phone:	PO #: 4502153835		
Email: james thorne@nrg com	WO #:		Other:
Project Name: Joliet #9 CCR	Project #: 50011504		
Site: Illinois	SSOW#:		

500-246814 COC

Sample Identification	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903 - Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D	N					
11 G30S	03/07/24	0928		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
12 R32S	03/07/24	1147		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
13 G46S	03/07/24	1319		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	03/07/24 @ 1440	EETA		3/7/24 1440	EETA
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
		2.7-2.2

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-119638-47930.1
Client Contact: James Thorne	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com		Page: Page 1 500-246814
Company: Midwest Generation EME LLC	PWSID:			Job #: ~~500-247814~~
Address: 1800 Channahon Road	Due Date Requested:			
City: Joliet	TAT Requested (days):			
State, Zip: IL, 60436	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4502153835			
Email: james.thorne@nrg.com	WO #:			
Project Name: Joliet #9 CCR	Project #: 50011504			
Site: Illinois	SSOW#:			

500-246814 COC

03/15/24 GB

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	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903 - Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
				Preservation Code:				D	D	D	D	N					
17	TO2S	03/12/24	0947		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
18	TO3S	03/12/24	1135		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
19	G45S	03/12/24	1221		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
20	DUP of G45S	03/12/24	1227		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		03/12/24e 1405	EETA	Stephanie Hernandez	3/12/24 1405	EETA
	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: 3.1+2.6

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-119638-47930 1
Client Contact: James Thorne	Phone:	E-Mail: Diana Mockler@et.eurofinsus com	State of Origin:	Page: Page 1
Company: Midwest Generation EME LLC	PWSID:			Job #: 500-246814

Address: 1800 Channahon Road	Due Date Requested:	
City: Joliet	TAT Requested (days):	
State, Zip: IL, 60436	Compliance Project: Δ Yes Δ No	
Phone:	PO #: 4502153835	
Email: james thorne@nrg com	WO #:	
Project Name: Joliet #9 CCR	Project #: 50011504	
Site: Illinois	SSOW#:	

500-246814 COC

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	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903 - Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
	Preservation Code:							D	D	D	D	N					
21	T01S	03/13/24	0958		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
22	T08S	03/13/24	1202		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
23	T11S	03/13/24	1345		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	03/13/24 e 1532	EETA		3/13/24 1532	EETA
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
		5.4-7.4.9

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: 500-185285.1
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 #: 500-246814-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/21/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: 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:								
G31S (500-246814-3)	3/4/24	11:19 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G33S (500-246814-4)	3/4/24	12:06 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G47S (500-246814-5)	3/4/24	13:26 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	[signature]	3/4/24 1520		Richard Thornley	MAR 0 5 2024 0840	ETA STL
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:

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-185599.1
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 #: 500-246814-2
Address: 13715 Rider Trail North,	Due Date Requested: 3/21/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR (RAD) 1Q24	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 (500-246814-17)	3/12/24	09:47 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T03S (500-246814-18)	3/12/24	11:33 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G45S (500-246814-19)	3/12/24	12:27 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
DUP of G45S (500-246814-20)	3/12/24	12:27 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	3/12/24 1600	EEA	Richard Thornley	MAR 13 2024 0840	ETA STL
2						
3						

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-185594.1
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 #: 500-246814-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/8/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR (RAD) 1Q24	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
T09S (500-246814-14)	3/11/24	10:03 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T06S (500-246814-15)	3/11/24	11:31 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T05S (500-246814-16)	3/11/24	13:22 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Preservation Codes:

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

Other:

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

Possible Hazard Identification	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	3/12/24 1600	EEA	Richard Thornley	MAR 13 2024 0840	ETASTL
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:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-1

Login Number: 246814
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6,4.0,2.3,2.2,3.5,2.6,4.9
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	

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G20S

Lab Sample ID: 500-246814-1

Date Collected: 02/29/24 09:44
Matrix: Water
Date Received: 02/29/24 14:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 12:35
Total/NA	Prep	7470A			758939	MJG	EET CHI	03/19/24 11:15 - 03/19/24 13:15 [1]
Total/NA	Analysis	7470A		1	759169	MJG	EET CHI	03/20/24 07:45
Total/NA	Analysis	SM 2540C		1	756625	CLB	EET CHI	03/04/24 00:08
Total/NA	Analysis	SM 4500 Cl- E		1	756599	TR	EET CHI	03/03/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 12:39
Total/NA	Analysis	SM 4500 SO4 E		2	756601	TR	EET CHI	03/03/24 14:32
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	02/29/24 09:44

Client Sample ID: R08S

Lab Sample ID: 500-246814-2

Date Collected: 02/29/24 13:27
Matrix: Water
Date Received: 02/29/24 14:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 12:54
Total/NA	Prep	7470A			758939	MJG	EET CHI	03/19/24 11:15 - 03/19/24 13:15 [1]
Total/NA	Analysis	7470A		1	759169	MJG	EET CHI	03/20/24 07:51
Total/NA	Analysis	SM 2540C		1	756625	CLB	EET CHI	03/04/24 00:10
Total/NA	Analysis	SM 4500 Cl- E		2	756599	TR	EET CHI	03/03/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 12:57
Total/NA	Analysis	SM 4500 SO4 E		10	756601	TR	EET CHI	03/03/24 14:39
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	02/29/24 13:27

Client Sample ID: G31S

Lab Sample ID: 500-246814-3

Date Collected: 03/04/24 11:19
Matrix: Water
Date Received: 03/04/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 12:58
Total/NA	Prep	7470A			758939	MJG	EET CHI	03/19/24 11:15 - 03/19/24 13:15 [1]
Total/NA	Analysis	7470A		1	759169	MJG	EET CHI	03/20/24 07:54
Total/NA	Analysis	SM 2540C		1	756990	CLB	EET CHI	03/06/24 02:52
Total/NA	Analysis	SM 4500 Cl- E		5	757549	TR	EET CHI	03/10/24 11:51
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:03
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:30
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/04/24 11:19

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G33S
Date Collected: 03/04/24 12:06
Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:02
Total/NA	Prep	7470A			758939	MJG	EET CHI	03/19/24 11:15 - 03/19/24 13:15 [1]
Total/NA	Analysis	7470A		1	759169	MJG	EET CHI	03/20/24 07:56
Total/NA	Analysis	SM 2540C		1	756990	CLB	EET CHI	03/06/24 03:00
Total/NA	Analysis	SM 4500 Cl- E		1	757549	TR	EET CHI	03/10/24 11:25
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:08
Total/NA	Analysis	SM 4500 SO4 E		2	757667	TR	EET CHI	03/11/24 12:30
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/04/24 12:06

Client Sample ID: G47S
Date Collected: 03/04/24 13:26
Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:05
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:04
Total/NA	Analysis	SM 2540C		1	756990	CLB	EET CHI	03/06/24 03:05
Total/NA	Analysis	SM 4500 Cl- E		5	757698	TR	EET CHI	03/11/24 14:14
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:13
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:33
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/04/24 13:26

Client Sample ID: T13S
Date Collected: 03/06/24 09:39
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:09
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:10
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 20:58
Total/NA	Analysis	SM 4500 Cl- E		1	757549	TR	EET CHI	03/10/24 11:27
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:18
Total/NA	Analysis	SM 4500 SO4 E		5	757667	TR	EET CHI	03/11/24 12:33
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 09:39

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T12S

Lab Sample ID: 500-246814-7

Date Collected: 03/06/24 10:33

Matrix: Water

Date Received: 03/06/24 15:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:24
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:12
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:06
Total/NA	Analysis	SM 4500 Cl- E		2	757549	TR	EET CHI	03/10/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:31
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:41
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 10:33

Client Sample ID: G44S

Lab Sample ID: 500-246814-8

Date Collected: 03/06/24 11:20

Matrix: Water

Date Received: 03/06/24 15:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:28
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:15
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:11
Total/NA	Analysis	SM 4500 Cl- E		2	757549	TR	EET CHI	03/10/24 11:53
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:36
Total/NA	Analysis	SM 4500 SO4 E		5	757667	TR	EET CHI	03/11/24 12:34
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 11:20

Client Sample ID: G39S

Lab Sample ID: 500-246814-9

Date Collected: 03/06/24 12:51

Matrix: Water

Date Received: 03/06/24 15:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:32
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:17
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:13
Total/NA	Analysis	SM 4500 Cl- E		1	757549	TR	EET CHI	03/10/24 11:25
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:41
Total/NA	Analysis	SM 4500 SO4 E		2	757667	TR	EET CHI	03/11/24 12:32
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 12:51

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G48S
Date Collected: 03/06/24 13:45
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:36
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:19
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:16
Total/NA	Analysis	SM 4500 Cl- E		5	757549	TR	EET CHI	03/10/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:45
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:32
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 13:45

Client Sample ID: G30S
Date Collected: 03/07/24 09:28
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:39
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:21
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:19
Total/NA	Analysis	SM 4500 Cl- E		5	757549	TR	EET CHI	03/10/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:51
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:31
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/07/24 09:28

Client Sample ID: R32S
Date Collected: 03/07/24 11:47
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:43
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:23
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:21
Total/NA	Analysis	SM 4500 Cl- E		1	757549	TR	EET CHI	03/10/24 11:26
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:56
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:31
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/07/24 11:47

Client Sample ID: G46S

Lab Sample ID: 500-246814-13

Date Collected: 03/07/24 13:19

Matrix: Water

Date Received: 03/07/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:47
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:25
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:24
Total/NA	Analysis	SM 4500 Cl- E		2	757549	TR	EET CHI	03/10/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:02
Total/NA	Analysis	SM 4500 SO4 E		20	757667	TR	EET CHI	03/11/24 12:41
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/07/24 13:19

Client Sample ID: T09S

Lab Sample ID: 500-246814-14

Date Collected: 03/11/24 10:03

Matrix: Water

Date Received: 03/11/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:58
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:27
Total/NA	Analysis	SM 2540C		1	757777	CLB	EET CHI	03/12/24 07:50
Total/NA	Analysis	SM 4500 Cl- E		2	758128	TR	EET CHI	03/13/24 13:26
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:06
Total/NA	Analysis	SM 4500 SO4 E		10	758155	TR	EET CHI	03/13/24 15:19
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/11/24 10:03

Client Sample ID: T06S

Lab Sample ID: 500-246814-15

Date Collected: 03/11/24 11:31

Matrix: Water

Date Received: 03/11/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 14:36
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:29
Total/NA	Analysis	SM 2540C		1	757777	CLB	EET CHI	03/12/24 07:57
Total/NA	Analysis	SM 4500 Cl- E		1	758128	TR	EET CHI	03/13/24 12:53
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:12
Total/NA	Analysis	SM 4500 SO4 E		5	758155	TR	EET CHI	03/13/24 15:37
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/11/24 11:31

Client Sample ID: T05S

Lab Sample ID: 500-246814-16

Date Collected: 03/11/24 13:22

Matrix: Water

Date Received: 03/11/24 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 14:40
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:46
Total/NA	Analysis	SM 2540C		1	757777	CLB	EET CHI	03/12/24 08:00
Total/NA	Analysis	SM 4500 Cl- E		5	758128	TR	EET CHI	03/13/24 13:12
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:16
Total/NA	Analysis	SM 4500 SO4 E		20	758155	TR	EET CHI	03/13/24 15:38
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/11/24 13:22

Client Sample ID: T02S

Lab Sample ID: 500-246814-17

Date Collected: 03/12/24 09:47

Matrix: Water

Date Received: 03/12/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 14:49
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:48
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 19:43
Total/NA	Analysis	SM 4500 Cl- E		5	758128	TR	EET CHI	03/13/24 13:11
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:31
Total/NA	Analysis	SM 4500 SO4 E		10	758155	TR	EET CHI	03/13/24 15:37
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/12/24 09:47

Client Sample ID: T03S

Lab Sample ID: 500-246814-18

Date Collected: 03/12/24 11:33

Matrix: Water

Date Received: 03/12/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 14:53
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:50
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 19:50
Total/NA	Analysis	SM 4500 Cl- E		5	758128	TR	EET CHI	03/13/24 13:11
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:36
Total/NA	Analysis	SM 4500 SO4 E		5	758155	TR	EET CHI	03/13/24 15:18
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/12/24 11:33

Client Sample ID: G45S

Lab Sample ID: 500-246814-19

Date Collected: 03/12/24 12:27

Matrix: Water

Date Received: 03/12/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 15:15
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759520	RN	EET CHI	03/21/24 16:28
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:52
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 19:56
Total/NA	Analysis	SM 4500 Cl- E		5	758128	TR	EET CHI	03/13/24 13:11
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:40
Total/NA	Analysis	SM 4500 SO4 E		5	758155	TR	EET CHI	03/13/24 15:18
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/12/24 12:27

Client Sample ID: G45S Dup

Lab Sample ID: 500-246814-20

Date Collected: 03/12/24 12:27

Matrix: Water

Date Received: 03/12/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 15:19
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759520	RN	EET CHI	03/21/24 16:31
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:54
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 19:58
Total/NA	Analysis	SM 4500 Cl- E		5	758128	TR	EET CHI	03/13/24 13:10
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:45
Total/NA	Analysis	SM 4500 SO4 E		5	758155	TR	EET CHI	03/13/24 15:17
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/12/24 12:27

Client Sample ID: T01S

Lab Sample ID: 500-246814-21

Date Collected: 03/13/24 09:58

Matrix: Water

Date Received: 03/13/24 15:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 16:00
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759520	RN	EET CHI	03/21/24 16:46
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:56
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 20:01
Total/NA	Analysis	SM 4500 Cl- E		5	758381	TR	EET CHI	03/14/24 14:22
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 15:01

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T01S
Date Collected: 03/13/24 09:58
Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-21
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	758617	TR	EET CHI	03/17/24 12:00
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/13/24 09:58

Client Sample ID: T08S
Date Collected: 03/13/24 12:02
Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 16:04
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 [1]
Total Recoverable	Analysis	6020B		10	759520	RN	EET CHI	03/21/24 16:50
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:58
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 20:03
Total/NA	Analysis	SM 4500 Cl- E		2	758381	TR	EET CHI	03/14/24 14:22
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 15:07
Total/NA	Analysis	SM 4500 SO4 E		10	758617	TR	EET CHI	03/17/24 12:00
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/13/24 12:02

Client Sample ID: T11S
Date Collected: 03/13/24 13:45
Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 16:14
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 [1]
Total Recoverable	Analysis	6020B		1	759520	RN	EET CHI	03/21/24 16:54
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 [1]
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 09:05
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 20:06
Total/NA	Analysis	SM 4500 Cl- E		1	758381	TR	EET CHI	03/14/24 13:55
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 15:13
Total/NA	Analysis	SM 4500 SO4 E		5	758617	TR	EET CHI	03/17/24 11:50
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/13/24 13:45

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

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

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 #: 500-246814-1

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: 02/29/24 Start Purge: 0926 (2400 Hr. Clock) End Purge: 0944

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 52.83 (ft.)
Ground Water Elev. 528.04 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

	1st	2nd	Final	
pH	7.64	7.61	7.61	(std.)
SC	684	692	692	(umhos/cm)
Temp.	10.74	10.62	10.62	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 29°F, Sunny, S winds e 0-5 mph
Turbidity: 4.18 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 52.83 - 2.78 = 50.05 (ft)
Levels were taken on 02/29/24 @ 0920.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814.2

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: 02/29/24 Start Purge: 1312 (2400 Hr. Clock) End Purge: 1327

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 73.24 (ft.)
Ground Water Elev. 505.42 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

	1st	2nd	Final	
pH	7.94	~~7.96~~ 7.96	7.96	(std.)
SC	1013	1016	1016	(umhos/cm)
Temp.	12.18	12.18	12.18	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 41°F, Sunny, S winds @ 5-10 mph
Turbidity: 0.64 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 73.24 - 2.55 = 70.69 (ft.)
Levels were taken on 02/29/24 @ 1307

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

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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 #: 500-246814.3

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: 03/04/24 Start Purge: 1059 (2400 Hr. Clock) End Purge: 1119

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.90

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.58 (ft)
Ref. Measuring Pt. TIC
Well Elevation *535.73 (ft./msl)
Water Level 31.23 (ft.)
Ground Water Elev. 504.50 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

	1st	2nd	Final	
pH	7.31	7.27	7.27	(std.)
SC	1,550	1,550	1,550	(umhos/cm)
Temp.	14.14	14.16	14.16	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 67°F, Cloudy, S winds @ 5-10 mph
Turbidity: 1.36 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 31.23 - 2.58 = 28.65 (ft.)
Levels were taken on 03/04/24 @ 1054

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-4

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: 03/04/24 Start Purge: 1148 (2400 Hr. Clock) End Purge: 1206

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 1.73 (ft)
Ref. Measuring Pt. TIC
Well Elevation *535.67 (ft./msl)
Water Level 38.78 (ft.)
Ground Water Elev. 496.89 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

	1st	2nd	Final	
pH	7.32	7.33	7.33	(std.)
SC	694	693	693	(umhos/cm)
Temp.	13.76	13.72	13.72	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 65°F, Cloudy, S winds @ 5-10 mph
Turbidity: 83.20 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 38.78 - 1.73 = 37.05 (ft)
Levels were taken on 03/04/24 @ 1143.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-5

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: 03/04/24 Start Purge: 1306 (2400 Hr. Clock) End Purge: 1326

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

MEASUREMENTS

Well Diameter 4.0 (inches)
Stick Up 2.50 (ft)
Ref. Measuring Pt. TIC
Well Elevation *612.23 (ft./msl)
Water Level 94.73 (ft.)
Ground Water Elev. 517.50 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

	1st	2nd	Final	
pH	8.47	8.49	8.49	(std.)
SC	1,600	1,590	1,590	(umhos/cm)
Temp.	13.86	13.85	13.85	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 66°F, Cloudy, S winds @ 5-10 mph
Turbidity: 0.74 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 94.73 - 2.50 = 92.23 (ft.)
Levels were taken on 03/04/24 @ 1301

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-1e

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: 03/06/24 Start Purge: 0925 (2400 Hr. Clock) End Purge: 0939

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.76 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 525.33 (ft./msl)
Water Level 19.98 (ft.)
Ground Water Elev. 505.35 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

	1st	2nd	Final	
pH	7.41	7.43	7.43	(std.)
SC	896	891	891	(umhos/cm)
Temp.	12.47	12.42	12.42	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 44°F, Sunny, NE winds @ 5-10 mph
Turbidity: 33.10 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 19.98 - 2.76 = 17.22 (ft)
Levels were taken on 03/06/24 @ 0920
* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-7

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: 03/06/24 Start Purge: 1019 (2400 Hr. Clock) End Purge: 1033

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.74 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 578.74 (ft./msl)
Water Level 75.00 (ft.)
Ground Water Elev. 503.74 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

	1st	2nd	Final	
pH	7.57	7.58	7.58	(std.)
SC	1010	1007	1007	(umhos/cm)
Temp.	12.06	12.05	12.05	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: p.c. & Colorless, Slight Turbidity, No Odor
Weather Conditions: 46°F, Cloudy, NE winds @ 5-10 mph
Turbidity: 38.80 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 75.00 - 2.74 = 72.26 (A)
Levels were taken on 03/06/24 @ 1014.
* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-8

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: 03/06/24 Start Purge: 1104 (2400 Hr. Clock) End Purge: 1120

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.18 (ft)
Ref. Measuring Pt. TIC
Well Elevation *586.68 (ft./msl)
Water Level 83.61 (ft.)
Ground Water Elev. 503.07 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

	1st	2nd	Final	
pH	7.32	7.29	7.29	(std.)
SC	1,103	1,097	1,097	(umhos/cm)
Temp.	13.19	13.58	13.58	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 46°F, Mostly Cloudy, NE winds e 5-10 mph
Turbidity: 6.71 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 83.61 - 2.18 = 81.43 (ft.)
Levels were taken on 03/06/24 @ 1059

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-9

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: 03/06/24 Start Purge: 1234 (2400 Hr. Clock) End Purge: 1251

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.88

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.08 (ft)
Ref. Measuring Pt. TIC
Well Elevation *598.75 (ft./msl)
Water Level 97.20 (ft.)
Ground Water Elev. 501.55 (ft./msl)
Well Bottom Elevation *454.15 (ft./msl)

	1st	2nd	Final	
pH	6.97	7.00	7.00	(std.)
SC	718	727	727	(umhos/cm)
Temp.	11.52	11.55	11.55	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 48°F, Sunny, NE winds 5-10 mph
Turdity 10.20 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 97.20 - 2.08 = 95.12 (A)
Levels were taken on 03/06/24 @ 1229.

(Updated: 09-19-2023)

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: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-10

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: 03/06/24 Start Purge: 1323 (2400 Hr. Clock) End Purge: 1345

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.14

MEASUREMENTS

Well Diameter 4.0 (inches)

Stick Up 2.45 (ft)

Ref. Measuring Pt. TIC

Well Elevation *620.77 (ft./msl)

Water Level 103.50 (ft.)

Ground Water Elev. 517.27 (ft./msl)

Well Bottom Elevation *468.32 (ft./msl)

	1st	2nd	Final	
pH	8.05	8.06	8.06	(std.)
SC	1,424	1,417	1,417	(umhos/cm)
Temp.	14.63	14.57	14.57	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor

Weather Conditions: 48°F, Sunny, NE winds 5-10 mph

Turbidity: 1.08 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 103.50 - 2.45 = 101.05 (ft.)

Levels were taken on 03/06/24 @ 1318.

(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 #: 500-246814-1

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: 03/07/24 Start Purge: 0910 (2400 Hr. Clock) End Purge: 0928

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 1.83 (ft.)
Ground Water Elev. 523.03 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

	1st	2nd	Final	
pH	7.80	7.78	7.78	(std.)
SC	1,780	1,780	1,780	(umhos/cm)
Temp.	8.45	8.43	8.43	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 41°F, Cloudy, E winds 0-5 mph
Turbidity: 4.14 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.83 - 2.31 = -0.48 (ft.)
Levels were taken on 03/07/24 @ 0905.

(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 #: 500-246814-12

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: 03/07/24 Start Purge: 1128 (2400 Hr. Clock) End Purge: 1147

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.74

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.03 (ft)
Ref. Measuring Pt. TIC
Well Elevation *536.97 (ft./msl)
Water Level 23.56 (ft.)
Ground Water Elev. 513.41 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

	1st	2nd	Final	
pH	7.44	7.41	7.41	(std.)
SC	788	807	807	(umhos/cm)
Temp.	11.78	11.73	11.73	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 43°F, Cloudy, SE winds 0-5 mph
Turbidity: 0.83 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 23.56 - 2.03 = 21.53 (ft.)
Levels were taken on 03/07/24 @ 1123
well usually purges for 14 seconds every 30 seconds. well will only purge for 6 seconds every 30 seconds. Pump in well may be faulty.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-13

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: 03/07/24 Start Purge: 1303 (2400 Hr. Clock) End Purge: 1319

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.72

MEASUREMENTS

Well Diameter 4.0 (inches)
Stick Up 2.70 (ft)
Ref. Measuring Pt. TIC
Well Elevation *601.41 (ft./msl)
Water Level 111.20 (ft.)
Ground Water Elev. 490.21 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

	1st	2nd	Final	
pH	7.35	7.36	7.36	(std.)
SC	1300	1300	1300	(umhos/cm)
Temp.	11.87	11.88	11.88	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 49°F, Cloudy, SE winds e 0-5 mph
Turbidity: 71.10 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 111.20 - 2.70 = 108.50 (ft.)
Levels were taken on 03/07/24 @ 1258.

(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: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-24,814-14

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: 03/11/24 Start Purge: 0945 (2400 Hr. Clock) End Purge: 1003

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 110.52 (ft.)
Ground Water Elev. 492.96 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

	1st	2nd	Final	
pH	7.45	7.46	7.46	(std.)
SC	1,170	1,171	1,171	(umhos/cm)
Temp.	7.91	7.90	7.90	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, High Turbidity, No Odor
Weather Conditions: 42°F, Sunny, SW winds 5-10 mph
Turbidity: 326 NTU

Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 110.52 - 2.40 = 108.12 (ft)
Levels were taken on 03/11/24 M.S. @ 0930
* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

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 #: 500-246814-15

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: 03/11/24 Start Purge: 1108 (2400 Hr. Clock) End Purge: 1131

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.74

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.30 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 621.05 (ft./msl)
Water Level 117.15 (ft.)
Ground Water Elev. 503.90 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

	1st	2nd	Final	
pH	7.33	7.33	7.33	(std.)
SC	777	775	775	(umhos/cm)
Temp.	13.76	13.79	13.79	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 51°F, Sunny, SW winds @ 5-10 mph
Turbidity: 7.31 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 117.15 - 2.30 = 114.85 (ft.)
Levels were taken on 03/11/24 @ 1053.
* Total Deth = 173.00

(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 #: 500-241814-1C

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: 03/11/24 Start Purge: 1305 (2400 Hr. Clock) End Purge: 1322

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.40 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 623.50 (ft./msl)
Water Level 123.42 (ft.)
Ground Water Elev. 500.08 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

	1st	2nd	Final	
pH	10.01	10.02	10.02	(std.)
SC	2260	2260	2260	(umhos/cm)
Temp.	17.46	17.43	17.43	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 61°F, Sunny, SW winds @ 5-10 mph
Turbidity: 2.04 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 123.42 - 2.40 = 121.02 (ft)
Levels were taken on 03/11/24 @ 1250
* Total Deth = 175.00

(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: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-17

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: 03/12/24 Start Purge: 0930 (2400 Hr. Clock) End Purge: 0947

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.33 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 626.12 (ft./msl)
Water Level 134.25 (ft.)
Ground Water Elev. 491.87 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

	1st	2nd	Final	
pH	7.83	7.79	7.79	(std.)
SC	1,316	1,318	1,318	(umhos/cm)
Temp.	12.45	12.49	12.49	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 52°F, Mostly Sunny, SW winds 0-5 mph
Turbidity: 101 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 134.25 - 2.33 = 131.92 (ft.)
Levels were taken on 03/12/24 @ 0915.
* 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: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-244814.18

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: 03/12/24 Start Purge: 1113 (2400 Hr. Clock) End Purge: 1133

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 3.08 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 629.85 (ft./msl)
Water Level 138.41 (ft.)
Ground Water Elev. 491.44 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

	1st	2nd	Final	
pH	7.52	7.50	7.50	(std.)
SC	1,275	1,271	1,271	(umhos/cm)
Temp.	12.38	12.41	12.41	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor
Weather Conditions: 59°F, Mostly Sunny, SW winds @ 5-10 mph
Turbidity: 3.37 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 138.41 - 3.08 = 135.33 (A)
Levels were taken on 03/12/24 @ 1108
* Total Depth = 172.95

(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 #: 500-246814-19

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: 03/12/24 Start Purge: 1210 (2400 Hr. Clock) End Purge: 1227

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.10

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.97 (ft)
Ref. Measuring Pt. TIC
Well Elevation *603.80 (ft./msl)
Water Level 64.59 (ft.)
Ground Water Elev. 539.21 (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

	1st	2nd	Final	
pH	7.50	7.49	7.49	(std.)
SC	936	941	941	(umhos/cm)
Temp.	14.40	14.43	14.43	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 62°F, Partly Sunny, SW winds 5-10 mph
Turbidity: 0.58 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 64.59 - 2.97 = 61.62 (ft.)
Levels were taken on 03/12/24 @ 1205.

(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 Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-20

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: _____ Start Purge: _____ (2400 Hr. Clock) End Purge: _____

Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd *Final*

Stick Up 2.97 (ft) pH _____ _____ _____ _____ (std.)

Ref. Measuring Pt. TIC SC _____ _____ _____ _____ (umhos/cm)

Well Elevation *603.80 (ft./msl) Temp._____ _____ _____ _____ (°C)

Water Level _____ (ft.) Well Stabilization / Recharge Grid

Ground Water Elev. _____ (ft./msl)

Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____

Weather Conditions: _____

Turbidity: NTU

Other: *Reference Measurement

Depth To Water from L.S. = _____

Levels were taken on @ .

(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 #: 500-246814-21

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: 03/13/24 Start Purge: 0936 (2400 Hr. Clock) End Purge: 0958

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.28

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.48 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 621.84 (ft./msl)
Water Level 122.87 (ft.)
Ground Water Elev. 498.97 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

	1st	2nd	Final	
pH	7.50	7.53	7.53	(std.)
SC	1363	1359	1359	(umhos/cm)
Temp.	13.54	13.52	13.52	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, Slight Odor
Weather Conditions: 61°F, Sunny, SE winds e 0-5 mph
Turbidity: 379 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 122.87 - 2.48 = 120.39 (ft.)
Levels were taken on 03/13/24 @ 0916
* Total Depth = 170.00

(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: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-22

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: 03/13/24 Start Purge: 1140 (2400 Hr. Clock) End Purge: 1202

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 129.72 (ft.)

Ground Water Elev. 497.83 (ft./msl)

Well Bottom Elevation * 447.38 (ft./msl)

	1st	2nd	Final	
pH	8.89	8.91	8.91	(std.)
SC	1404	1392	1392	(umhos/cm)
Temp.	16.04	16.05	16.05	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor

Weather Conditions: 65°F, Sunny, SE winds @ 5-10 mph

Turbidity: 13.40 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 129.72 - 2.38 = 127.34 (ft.)

Levels were taken on 03/13/24 @ 1125.

* 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: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-23

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: 03/13/24 Start Purge: 1325 (2400 Hr. Clock) End Purge: 1345

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.74 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 559.48 (ft./msl)
Water Level 68.15 (ft.)
Ground Water Elev. 491.33 (ft./msl)
Well Bottom Elevation * 445.60 (ft./msl)

	1st	2nd	Final	
pH	7.68	7.63	7.63	(std.)
SC	918	922	922	(umhos/cm)
Temp.	17.06	17.06	17.06	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 70°F, Fair, SE winds @ 0-5 mph
Turbidity 66.20 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 68.15 - 2.74 = 65.41 (ft.)
Levels were taken on 03/13/24 @ 1310.
* Total Depth: 113.76

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez 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 4/10/2024 3:45:53 PM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR (RAD) 1Q24

JOB NUMBER

500-246814-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Job Notes

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

Authorization

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Authorized for release by
Diana Mockler, Project Manager I
Diana.Mockler@et.eurofinsus.com
(219)252-7570

Table of Contents

Job Narrative
500-246814-2

Receipt
The samples were received on 2/29/2024 2:44 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.6º C, 2.2º C, 2.3º C, 2.6º C, 3.5º C, 4.0º C and 4.9º C.

RAD
Method 903.0: Radium-226 prep batch 160-651627:

The Ba carrier recovery was outside the upper control limit. The high carrier outside the upper control limit was isolated to the laboratory control sample. The method blank passed all QC criteria, demonstrating proper method and instrument performance. The samples in the batch have been truncated to minimize any potential bias a high carrier recovery may have on the results. (LCS 160-651627/2-A)

Method 904.0: Radium-228 prep batch 160-650660:

The Ba Carrier recovery is outside the upper control limit (110%) for the following sample: (380-84844-A-1-B) The LCS (laboratory control sample) has an acceptable spike recovery demonstrating acceptable sample preparation and instrument performance. The sample have been truncated to 100% to reduce any potential bias a high carrier recovery may have. The data have been qualified and reported.

Methods 904.0, 9320: Radium-228 prep batch 160-651153:

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: G33S (500-246814-4) . Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 prep batch 160-651629:

The Ba carrier recovery was outside the upper control limit. The high carrier outside the upper control limit was isolated to the laboratory control sample. The method blank passed all QC criteria, demonstrating proper method and instrument performance. The samples in the batch have been truncated to minimize any potential bias a high carrier recovery may have on the results. T13S (500-246814-6), T12S (500-246814-7), G44S (500-246814-8), G39S (500-246814-9), G48S (500-246814-10), (LCS 160-651629/2-A), (MB 160-651629/1-A), (280-188371-A-7-C), (280-188371-B-7-B MS) and (280-188371-A-7-D MSD)

Method 904.0: Radium-228 prep batch 160-652388:

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: T09S (500-246814-14) and T02S (500-246814-17) . Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 prep batch 160-652684:

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: T01S (500-246814-21) . Analytical results are reported with the detection limit achieved.

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

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
Job ID: 500-246814-2
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246814-1	G20S	Water	02/29/24 09:44	02/29/24 14:44
500-246814-2	R08S	Water	02/29/24 13:27	02/29/24 14:44
500-246814-3	G31S	Water	03/04/24 11:19	03/04/24 14:55
500-246814-4	G33S	Water	03/04/24 12:06	03/04/24 14:55
500-246814-5	G47S	Water	03/04/24 13:26	03/04/24 14:55
500-246814-6	T13S	Water	03/06/24 09:39	03/06/24 15:22
500-246814-7	T12S	Water	03/06/24 10:33	03/06/24 15:22
500-246814-8	G44S	Water	03/06/24 11:20	03/06/24 15:22
500-246814-9	G39S	Water	03/06/24 12:51	03/06/24 15:22
500-246814-10	G48S	Water	03/06/24 13:45	03/06/24 15:22
500-246814-11	G30S	Water	03/07/24 09:28	03/07/24 14:40
500-246814-12	R32S	Water	03/07/24 11:47	03/07/24 14:40
500-246814-13	G46S	Water	03/07/24 13:19	03/07/24 14:40
500-246814-14	T09S	Water	03/11/24 10:03	03/11/24 15:25
500-246814-15	T06S	Water	03/11/24 11:31	03/11/24 15:25
500-246814-16	T05S	Water	03/11/24 13:22	03/11/24 15:25
500-246814-17	T02S	Water	03/12/24 09:47	03/12/24 14:05
500-246814-18	T03S	Water	03/12/24 11:33	03/12/24 14:05
500-246814-19	G45S	Water	03/12/24 12:27	03/12/24 14:05
500-246814-20	G45S Dup	Water	03/12/24 12:27	03/12/24 14:05
500-246814-21	T01S	Water	03/13/24 09:58	03/13/24 15:32
500-246814-22	T08S	Water	03/13/24 12:02	03/13/24 15:32
500-246814-23	T11S	Water	03/13/24 13:45	03/13/24 15:32

Client Sample ID: G20S
Lab Sample ID: 500-246814-1

Date Collected: 02/29/24 09:44
Matrix: Water
Date Received: 02/29/24 14:44

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	1.04		0.267	0.283	1.00	0.212	pCi/L	03/04/24 07:13	03/26/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*03/04/24 07:13*	*03/26/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.47		0.407	0.429	1.00	0.432	pCi/L	03/04/24 07:35	03/25/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*03/04/24 07:35*	*03/25/24 12:38*	*1*
Y Carrier	*83.7*		*30 - 110*	*03/04/24 07:35*	*03/25/24 12:38*	*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	2.51		0.487	0.514	5.00	0.432	pCi/L		04/10/24 13:19	1

Client Sample ID: R08S
Date Collected: 02/29/24 13:27
Date Received: 02/29/24 14:44

Lab Sample ID: 500-246814-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.566		0.198	0.204	1.00	0.178	pCi/L	03/04/24 07:13	03/26/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*03/04/24 07:13*	*03/26/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.35		0.400	0.419	1.00	0.461	pCi/L	03/04/24 07:35	03/25/24 12:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*03/04/24 07:35*	*03/25/24 12:37*	*1*
Y Carrier	*86.7*		*30 - 110*	*03/04/24 07:35*	*03/25/24 12:37*	*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	1.91		0.446	0.466	5.00	0.461	pCi/L		04/10/24 13:19	1

Client Sample ID: G31S
Lab Sample ID: 500-246814-3

Date Collected: 03/04/24 11:19
Matrix: Water
Date Received: 03/04/24 14:55

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	1.69		0.304	0.340	1.00	0.145	pCi/L	03/06/24 07:11	03/28/24 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*03/06/24 07:11*	*03/28/24 09:27*	*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	1.19		0.500	0.512	1.00	0.691	pCi/L	03/06/24 07:32	03/26/24 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*03/06/24 07:32*	*03/26/24 12:28*	*1*
Y Carrier	*84.9*		*30 - 110*	*03/06/24 07:32*	*03/26/24 12:28*	*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	2.88		0.585	0.615	5.00	0.691	pCi/L		04/10/24 13:19	1

Client Sample ID: G33S
Lab Sample ID: 500-246814-4

Date Collected: 03/04/24 12:06
Matrix: Water
Date Received: 03/04/24 14:55

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	**0.375**		0.225	0.228	1.00	0.286	pCi/L	03/06/24 07:11	03/28/24 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.6*		*30 - 110*	*03/06/24 07:11*	*03/28/24 09:27*	*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	-0.213	U G	0.543	0.543	1.00	1.05	pCi/L	03/06/24 07:32	03/26/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.6*		*30 - 110*	*03/06/24 07:32*	*03/26/24 12:20*	*1*
Y Carrier	*81.5*		*30 - 110*	*03/06/24 07:32*	*03/26/24 12:20*	*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	0.163	U	0.588	0.589	5.00	1.05	pCi/L		04/10/24 13:19	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G47S

Date Collected: 03/04/24 13:26
Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-5

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	**0.423**		0.193	0.197	1.00	0.236	pCi/L	03/06/24 07:11	03/28/24 13:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*03/06/24 07:11*	*03/28/24 13:28*	*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	0.369	U	0.331	0.333	1.00	0.524	pCi/L	03/06/24 07:32	03/26/24 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*03/06/24 07:32*	*03/26/24 12:21*	*1*
Y Carrier	*83.0*		*30 - 110*	*03/06/24 07:32*	*03/26/24 12:21*	*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	**0.792**		0.383	0.387	5.00	0.524	pCi/L		04/10/24 13:19	1

Client Sample ID: T13S
Lab Sample ID: 500-246814-6

Date Collected: 03/06/24 09:39
Matrix: Water

Date Received: 03/06/24 15:22

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	0.532		0.190	0.196	1.00	0.203	pCi/L	03/08/24 09:18	04/01/24 17:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*03/08/24 09:18*	*04/01/24 17:46*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.762		0.449	0.455	1.00	0.650	pCi/L	03/08/24 09:27	03/28/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:48*	*1*
Y Carrier	*82.6*		*30 - 110*	*03/08/24 09:27*	*03/28/24 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	1.29		0.488	0.495	5.00	0.650	pCi/L		04/10/24 13:19	1

Client Sample ID: T12S
Date Collected: 03/06/24 10:33
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.936**		0.243	0.258	1.00	0.185	pCi/L	03/08/24 09:18	04/01/24 17:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*03/08/24 09:18*	*04/01/24 17:46*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.131	U	0.386	0.386	1.00	0.692	pCi/L	03/08/24 09:27	03/28/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:48*	*1*
Y Carrier	*88.2*		*30 - 110*	*03/08/24 09:27*	*03/28/24 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	**1.07**		0.456	0.464	5.00	0.692	pCi/L		04/10/24 13:59	1

Client Sample ID: G44S
Lab Sample ID: 500-246814-8

Date Collected: 03/06/24 11:20
Matrix: Water
Date Received: 03/06/24 15:22

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	**0.666**		0.169	0.179	1.00	0.122	pCi/L	03/08/24 09:18	04/01/24 17:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*03/08/24 09:18*	*04/01/24 17:47*	*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	0.207	U	0.308	0.308	1.00	0.520	pCi/L	03/08/24 09:27	03/28/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:49*	*1*
Y Carrier	*86.7*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:49*	*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	**0.873**		0.351	0.356	5.00	0.520	pCi/L		04/10/24 13:59	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G39S

Date Collected: 03/06/24 12:51
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-9

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	**0.488**		0.144	0.150	1.00	0.117	pCi/L	03/08/24 09:18	04/01/24 17:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*03/08/24 09:18*	*04/01/24 17:47*	*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	0.387	U	0.315	0.317	1.00	0.491	pCi/L	03/08/24 09:27	03/28/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:49*	*1*
Y Carrier	*88.2*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:49*	*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	**0.875**		0.346	0.351	5.00	0.491	pCi/L		04/10/24 13:59	1

Client Sample ID: G48S
Lab Sample ID: 500-246814-10

Date Collected: 03/06/24 13:45
Matrix: Water

Date Received: 03/06/24 15:22

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	**0.789**		0.180	0.194	1.00	0.125	pCi/L	03/08/24 09:18	04/01/24 17:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*03/08/24 09:18*	*04/01/24 17:47*	*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	0.362	U	0.312	0.314	1.00	0.489	pCi/L	03/08/24 09:27	03/28/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:49*	*1*
Y Carrier	*83.7*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:49*	*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	**1.15**		0.360	0.369	5.00	0.489	pCi/L		04/10/24 13:59	1

Client Sample ID: G30S
Date Collected: 03/07/24 09:28
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-11
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	0.776		0.248	0.257	1.00	0.240	pCi/L	03/11/24 09:26	04/02/24 15:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.9*		*30 - 110*	*03/11/24 09:26*	*04/02/24 15:22*	*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	0.814		0.381	0.389	1.00	0.513	pCi/L	03/11/24 09:33	04/01/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.9*		*30 - 110*	*03/11/24 09:33*	*04/01/24 11:47*	*1*
Y Carrier	*77.0*		*30 - 110*	*03/11/24 09:33*	*04/01/24 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	1.59		0.455	0.466	5.00	0.513	pCi/L		04/10/24 13:59	1

Client Sample ID: R32S
Lab Sample ID: 500-246814-12

Date Collected: 03/07/24 11:47
Matrix: Water

Date Received: 03/07/24 14:40

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	**0.779**		0.238	0.248	1.00	0.219	pCi/L	03/11/24 09:26	04/02/24 15:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*30 - 110*	*03/11/24 09:26*	*04/02/24 15:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.337	U	0.301	0.302	1.00	0.472	pCi/L	03/11/24 09:33	04/01/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*30 - 110*	*03/11/24 09:33*	*04/01/24 11:47*	*1*
Y Carrier	*74.4*		*30 - 110*	*03/11/24 09:33*	*04/01/24 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	**1.12**		0.384	0.391	5.00	0.472	pCi/L		04/10/24 13:59	1

Client Sample ID: G46S
Lab Sample ID: 500-246814-13

Date Collected: 03/07/24 13:19
Matrix: Water
Date Received: 03/07/24 14:40

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	0.928		0.271	0.284	1.00	0.253	pCi/L	03/11/24 09:26	04/02/24 15:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*03/11/24 09:26*	*04/02/24 15:23*	*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	1.17		0.405	0.419	1.00	0.485	pCi/L	03/11/24 09:33	04/01/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*03/11/24 09:33*	*04/01/24 11:47*	*1*
Y Carrier	*81.1*		*30 - 110*	*03/11/24 09:33*	*04/01/24 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	2.10		0.487	0.506	5.00	0.485	pCi/L		04/10/24 13:59	1

Client Sample ID: T09S
Lab Sample ID: 500-246814-14

Date Collected: 03/11/24 10:03
Matrix: Water
Date Received: 03/11/24 15:25

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	2.11		0.414	0.455	1.00	0.255	pCi/L	03/14/24 09:54	04/07/24 14:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.0*		*30 - 110*	*03/14/24 09:54*	*04/07/24 14:29*	*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	1.70	G	0.819	0.833	1.00	1.11	pCi/L	03/14/24 09:59	04/03/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.0*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:52*	*1*
Y Carrier	*83.7*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:52*	*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	3.80		0.918	0.949	5.00	1.11	pCi/L		04/10/24 13:59	1

Client Sample ID: T06S
Lab Sample ID: 500-246814-15

Date Collected: 03/11/24 11:31
Matrix: Water

Date Received: 03/11/24 15:25

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	1.04		0.227	0.246	1.00	0.164	pCi/L	03/14/24 09:54	04/07/24 14:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*03/14/24 09:54*	*04/07/24 14:29*	*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	0.684		0.377	0.382	1.00	0.535	pCi/L	03/14/24 09:59	04/03/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:52*	*1*
Y Carrier	*88.6*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:52*	*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	1.72		0.440	0.454	5.00	0.535	pCi/L		04/10/24 13:59	1

Client Sample ID: T05S
Lab Sample ID: 500-246814-16

Date Collected: 03/11/24 13:22
Matrix: Water

Date Received: 03/11/24 15:25

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	0.174	U	0.128	0.129	1.00	0.176	pCi/L	03/14/24 09:54	04/07/24 14:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*03/14/24 09:54*	*04/07/24 14:29*	*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	-0.163	U	0.324	0.324	1.00	0.682	pCi/L	03/14/24 09:59	04/03/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:52*	*1*
Y Carrier	*85.2*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:52*	*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	0.0114	U	0.348	0.349	5.00	0.682	pCi/L		04/10/24 13:59	1

Client Sample ID: T02S
Lab Sample ID: 500-246814-17

Date Collected: 03/12/24 09:47
Matrix: Water

Date Received: 03/12/24 14:05

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	**1.02**		0.324	0.337	1.00	0.300	pCi/L	03/14/24 09:54	04/07/24 14:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*03/14/24 09:54*	*04/07/24 14:29*	*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	0.449	U G	0.688	0.689	1.00	1.17	pCi/L	03/14/24 09:59	04/03/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:52*	*1*
Y Carrier	*82.2*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:52*	*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	**1.47**		0.760	0.767	5.00	1.17	pCi/L		04/10/24 13:59	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T03S

Date Collected: 03/12/24 11:33
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-18

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	1.11		0.240	0.260	1.00	0.192	pCi/L	03/14/24 09:54	04/07/24 14:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*03/14/24 09:54*	*04/07/24 14:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.07		0.469	0.479	1.00	0.629	pCi/L	03/14/24 09:59	04/03/24 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:53*	*1*
Y Carrier	*83.0*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:53*	*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	2.18		0.527	0.545	5.00	0.629	pCi/L		04/10/24 13:59	1

Client Sample ID: G45S
Lab Sample ID: 500-246814-19

Date Collected: 03/12/24 12:27
Matrix: Water

Date Received: 03/12/24 14:05

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	1.33		0.233	0.262	1.00	0.129	pCi/L	03/14/24 09:54	04/08/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*03/14/24 09:54*	*04/08/24 13:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.13		0.429	0.442	1.00	0.519	pCi/L	03/14/24 09:59	04/03/24 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:53*	*1*
Y Carrier	*83.0*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:53*	*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	2.46		0.488	0.514	5.00	0.519	pCi/L		04/10/24 13:59	1

Client Sample ID: G45S Dup
Lab Sample ID: 500-246814-20

Date Collected: 03/12/24 12:27
Matrix: Water
Date Received: 03/12/24 14:05

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	1.21		0.215	0.241	1.00	0.133	pCi/L	03/14/24 09:54	04/08/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.6*		*30 - 110*	*03/14/24 09:54*	*04/08/24 13:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.682		0.352	0.358	1.00	0.484	pCi/L	03/14/24 09:59	04/03/24 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.6*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:53*	*1*
Y Carrier	*89.7*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:53*	*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	1.89		0.412	0.432	5.00	0.484	pCi/L		04/10/24 13:59	1

Client Sample ID: T01S
Lab Sample ID: 500-246814-21

Date Collected: 03/13/24 09:58
Matrix: Water

Date Received: 03/13/24 15:32

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	**1.10**		0.367	0.380	1.00	0.327	pCi/L	03/15/24 10:56	04/08/24 17:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*03/15/24 10:56*	*04/08/24 17:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.768	U G	0.968	0.970	1.00	1.61	pCi/L	03/15/24 11:13	04/05/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*03/15/24 11:13*	*04/05/24 11:54*	*1*
Y Carrier	*78.9*		*30 - 110*	*03/15/24 11:13*	*04/05/24 11:54*	*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	**1.87**		1.04	1.04	5.00	1.61	pCi/L		04/10/24 13:59	1

Client Sample ID: T08S
Lab Sample ID: 500-246814-22

Date Collected: 03/13/24 12:02
Matrix: Water
Date Received: 03/13/24 15:32

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	0.278	U	0.198	0.199	1.00	0.289	pCi/L	03/15/24 10:56	04/08/24 17:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*03/15/24 10:56*	*04/08/24 17:02*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.32**		0.624	0.636	1.00	0.851	pCi/L	03/15/24 11:13	04/05/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*03/15/24 11:13*	*04/05/24 11:54*	*1*
Y Carrier	*79.3*		*30 - 110*	*03/15/24 11:13*	*04/05/24 11:54*	*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**		0.655	0.666	5.00	0.851	pCi/L		04/10/24 13:59	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T11S

Date Collected: 03/13/24 13:45
Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-23

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	**0.491**		0.163	0.169	1.00	0.148	pCi/L	03/15/24 10:56	04/08/24 17:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*03/15/24 10:56*	*04/08/24 17:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.561	U	0.475	0.478	1.00	0.752	pCi/L	03/15/24 11:13	04/05/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*03/15/24 11:13*	*04/05/24 11:55*	*1*
Y Carrier	*77.8*		*30 - 110*	*03/15/24 11:13*	*04/05/24 11:55*	*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	**1.05**		0.502	0.507	5.00	0.752	pCi/L		04/10/24 13:59	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Job ID: 500-246814-2
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Qualifiers

Rad

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

Rad

Prep Batch: 650659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	PrecSep-21	
500-246814-2	R08S	Total/NA	Water	PrecSep-21	
MB 160-650659/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-650659/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 650660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	PrecSep_0	
500-246814-2	R08S	Total/NA	Water	PrecSep_0	
MB 160-650660/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-650660/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 651151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	PrecSep-21	
500-246814-4	G33S	Total/NA	Water	PrecSep-21	
500-246814-5	G47S	Total/NA	Water	PrecSep-21	
MB 160-651151/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-651151/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 651153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	PrecSep_0	
500-246814-4	G33S	Total/NA	Water	PrecSep_0	
500-246814-5	G47S	Total/NA	Water	PrecSep_0	
MB 160-651153/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-651153/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 651627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-6	T13S	Total/NA	Water	PrecSep-21	
500-246814-7	T12S	Total/NA	Water	PrecSep-21	
500-246814-8	G44S	Total/NA	Water	PrecSep-21	
500-246814-9	G39S	Total/NA	Water	PrecSep-21	
500-246814-10	G48S	Total/NA	Water	PrecSep-21	
MB 160-651627/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-651627/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 651629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-6	T13S	Total/NA	Water	PrecSep_0	
500-246814-7	T12S	Total/NA	Water	PrecSep_0	
500-246814-8	G44S	Total/NA	Water	PrecSep_0	
500-246814-9	G39S	Total/NA	Water	PrecSep_0	
500-246814-10	G48S	Total/NA	Water	PrecSep_0	
MB 160-651629/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-651629/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 651901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-11	G30S	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 651901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-12	R32S	Total/NA	Water	PrecSep-21	
500-246814-13	G46S	Total/NA	Water	PrecSep-21	
MB 160-651901/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-651901/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 651904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-11	G30S	Total/NA	Water	PrecSep_0	
500-246814-12	R32S	Total/NA	Water	PrecSep_0	
500-246814-13	G46S	Total/NA	Water	PrecSep_0	
MB 160-651904/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-651904/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 652387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	PrecSep-21	
500-246814-15	T06S	Total/NA	Water	PrecSep-21	
500-246814-16	T05S	Total/NA	Water	PrecSep-21	
500-246814-17	T02S	Total/NA	Water	PrecSep-21	
500-246814-18	T03S	Total/NA	Water	PrecSep-21	
500-246814-19	G45S	Total/NA	Water	PrecSep-21	
500-246814-20	G45S Dup	Total/NA	Water	PrecSep-21	
MB 160-652387/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-652387/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 652388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	PrecSep_0	
500-246814-15	T06S	Total/NA	Water	PrecSep_0	
500-246814-16	T05S	Total/NA	Water	PrecSep_0	
500-246814-17	T02S	Total/NA	Water	PrecSep_0	
500-246814-18	T03S	Total/NA	Water	PrecSep_0	
500-246814-19	G45S	Total/NA	Water	PrecSep_0	
500-246814-20	G45S Dup	Total/NA	Water	PrecSep_0	
MB 160-652388/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-652388/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 652682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total/NA	Water	PrecSep-21	
500-246814-22	T08S	Total/NA	Water	PrecSep-21	
500-246814-23	T11S	Total/NA	Water	PrecSep-21	
LCS 160-652682/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-246814-22 DU	T08S	Total/NA	Water	PrecSep-21	

Prep Batch: 652684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total/NA	Water	PrecSep_0	
500-246814-22	T08S	Total/NA	Water	PrecSep_0	
500-246814-23	T11S	Total/NA	Water	PrecSep_0	
MB 160-652684/1-A	Method Blank	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 652684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-652684/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-246814-22 DU	T08S	Total/NA	Water	PrecSep_0	

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-650659/1-A
Matrix: Water
Analysis Batch: 653989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650659

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.06851	U	0.0602	0.0605	1.00	0.193	pCi/L	03/04/24 07:13	03/26/24 09:45	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*30 - 110*	*03/04/24 07:13*	*03/26/24 09:45*	*1*

Lab Sample ID: LCS 160-650659/2-A
Matrix: Water
Analysis Batch: 653989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650659

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.010		1.10	1.00	0.240	pCi/L	80	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*110*		*30 - 110*

Lab Sample ID: MB 160-651151/1-A
Matrix: Water
Analysis Batch: 654350

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651151

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02622	U	0.0787	0.0787	1.00	0.182	pCi/L	03/06/24 07:11	03/28/24 09:25	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*03/06/24 07:11*	*03/28/24 09:25*	*1*

Lab Sample ID: LCS 160-651151/2-A
Matrix: Water
Analysis Batch: 654350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651151

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.75		1.31	1.00	0.164	pCi/L	104	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*99.5*		*30 - 110*

Lab Sample ID: MB 160-651627/1-A
Matrix: Water
Analysis Batch: 654903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651627

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05899	U	0.0708	0.0710	1.00	0.115	pCi/L	03/08/24 09:18	04/01/24 15:58	1

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

Lab Sample ID: MB 160-651627/1-A
Matrix: Water
Analysis Batch: 654903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651627

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	107		30 - 110	03/08/24 09:18	04/01/24 15:58	1

Lab Sample ID: LCS 160-651627/2-A
Matrix: Water
Analysis Batch: 654903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651627

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.10		1.10	1.00	0.136	pCi/L	89	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	112	X	30 - 110

Lab Sample ID: MB 160-651901/1-A
Matrix: Water
Analysis Batch: 654947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651901

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03668	U	0.106	0.106	1.00	0.200	pCi/L	03/11/24 09:26	04/02/24 15:10	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110	03/11/24 09:26	04/02/24 15:10	1

Lab Sample ID: LCS 160-651901/2-A
Matrix: Water
Analysis Batch: 654947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651901

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	8.558		1.04	1.00	0.174	pCi/L	76	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	103		30 - 110

Lab Sample ID: MB 160-652387/1-A
Matrix: Water
Analysis Batch: 655718

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652387

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03683	U	0.0676	0.0677	1.00	0.121	pCi/L	03/14/24 09:54	04/07/24 14:29	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.9		30 - 110	03/14/24 09:54	04/07/24 14:29	1

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

Lab Sample ID: LCS 160-652387/2-A
Matrix: Water
Analysis Batch: 656032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652387

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.72		1.13	1.00	0.0943	pCi/L	95	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.9*		*30 - 110*

Lab Sample ID: LCS 160-652682/2-A
Matrix: Water
Analysis Batch: 655721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652682

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.353		1.04	1.00	0.153	pCi/L	83	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*99.0*		*30 - 110*

Lab Sample ID: 500-246814-22 DU
Matrix: Water
Analysis Batch: 655721

Client Sample ID: T08S
Prep Type: Total/NA
Prep Batch: 652682

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.278	U		0.3961		0.206	1.00	0.247	pCi/L			0.29	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*74.0*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-650660/1-A
Matrix: Water
Analysis Batch: 653748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650660

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.007764	U	0.248	0.248	1.00	0.463	pCi/L	03/04/24 07:35	03/25/24 12:23	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*30 - 110*	*03/04/24 07:35*	*03/25/24 12:23*	*1*
Y Carrier	*83.7*		*30 - 110*	*03/04/24 07:35*	*03/25/24 12:23*	*1*

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

Lab Sample ID: LCS 160-650660/2-A
Matrix: Water
Analysis Batch: 653748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650660

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.09	9.704		1.27	1.00	0.444	pCi/L	107	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*110*		*30 - 110*
Y Carrier	*80.4*		*30 - 110*

Lab Sample ID: MB 160-651153/1-A
Matrix: Water
Analysis Batch: 653989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651153

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2030	U	0.311	0.311	1.00	0.528	pCi/L	03/06/24 07:32	03/26/24 12:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*03/06/24 07:32*	*03/26/24 12:27*	*1*
Y Carrier	*83.4*		*30 - 110*	*03/06/24 07:32*	*03/26/24 12:27*	*1*

Lab Sample ID: LCS 160-651153/2-A
Matrix: Water
Analysis Batch: 653989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651153

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.09	9.043		1.23	1.00	0.469	pCi/L	99	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*99.5*		*30 - 110*
Y Carrier	*83.7*		*30 - 110*

Lab Sample ID: MB 160-651629/1-A
Matrix: Water
Analysis Batch: 654352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651629

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.06196	U	0.230	0.230	1.00	0.459	pCi/L	03/08/24 09:27	03/28/24 11:47	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*107*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:47*	*1*
Y Carrier	*82.6*		*30 - 110*	*03/08/24 09:27*	*03/28/24 11:47*	*1*

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

Lab Sample ID: LCS 160-651629/2-A
Matrix: Water
Analysis Batch: 654352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651629

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.08	8.537		1.17	1.00	0.464	pCi/L	94	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*112*	*X*	*30 - 110*
Y Carrier	*84.1*		*30 - 110*

Lab Sample ID: MB 160-651904/1-A
Matrix: Water
Analysis Batch: 654901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651904

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4102		0.277	0.280	1.00	0.409	pCi/L	03/11/24 09:33	04/01/24 11:45	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*03/11/24 09:33*	*04/01/24 11:45*	*1*
Y Carrier	*86.4*		*30 - 110*	*03/11/24 09:33*	*04/01/24 11:45*	*1*

Lab Sample ID: LCS 160-651904/2-A
Matrix: Water
Analysis Batch: 654901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651904

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.07	9.008		1.20	1.00	0.488	pCi/L	99	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*103*		*30 - 110*
Y Carrier	*85.6*		*30 - 110*

Lab Sample ID: MB 160-652388/1-A
Matrix: Water
Analysis Batch: 655125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652388

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1685	U	0.288	0.288	1.00	0.494	pCi/L	03/14/24 09:59	04/03/24 11:40	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.9*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:40*	*1*
Y Carrier	*82.6*		*30 - 110*	*03/14/24 09:59*	*04/03/24 11:40*	*1*

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

Lab Sample ID: LCS 160-652388/2-A
Matrix: Water
Analysis Batch: 655125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652388

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.06	10.05		1.32	1.00	0.432	pCi/L	111	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.9*		*30 - 110*
Y Carrier	*84.9*		*30 - 110*

Lab Sample ID: MB 160-652684/1-A
Matrix: Water
Analysis Batch: 655549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652684

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.01543	U	0.296	0.296	1.00	0.549	pCi/L	03/15/24 11:13	04/05/24 11:53	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*03/15/24 11:13*	*04/05/24 11:53*	*1*
Y Carrier	*83.0*		*30 - 110*	*03/15/24 11:13*	*04/05/24 11:53*	*1*

Lab Sample ID: LCS 160-652684/2-A
Matrix: Water
Analysis Batch: 655549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652684

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.06	10.55		1.38	1.00	0.490	pCi/L	116	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*99.0*		*30 - 110*
Y Carrier	*81.9*		*30 - 110*

Lab Sample ID: 500-246814-22 DU
Matrix: Water
Analysis Batch: 655549

Client Sample ID: T08S
Prep Type: Total/NA
Prep Batch: 652684

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	1.32			0.9214		0.612	1.00	0.894	pCi/L			0.32	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*74.0*		*30 - 110*
Y Carrier	*78.5*		*30 - 110*

Eurofins North Central
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No:
	Noe Lopez / James Reed	Mockler, Diana J		500-82773-37779 1
Client Contact: Mr John Niedzwiecki	Phone	E-Mail: diana.mockler@et.eurofinsus.com		Page: Page
Company: Midwest Generation				Job #: 500-246814

Address: 1800 Channahon Road	Due Date Requested	
City: Joliet	TAT Requested (days):	
State, Zip: IL, 60436		
Phone: 815-671-2258(Tel)	PO #: 4502120600	
Email:	WO #:	
Project Name: Joliet #9 CCR 1Q24	Project #: 50011504	
Site: Illinois	SSOW#:	

500-246814 COC

Analysis Requested

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	Z	other (specify)

Other:

Sample Identification	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903- Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code.				D	D	D	D	N					
G20S	02/29/24	0944		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	*Metals List. Sb,As Ba Be B,Cd Ca,Cr Co Li,Pb,Mo SeTl
R08S	02/29/24	1327		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
				Water												
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				Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	02/29/24 1444	EET		2/29/24 1444	EET
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
		2.1→1.6

Eurofins North Central
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-82773-37779 1
Client Contact: Mr John Niedzwiecki	Phone	E-Mail: diana.mockler@et.eurofinsus.com		Page: Page
Company: Midwest Generation				Job #: 508-246814

Address: 1800 Channahon Road	Due Date Requested	Analysis Requested
City: Joliet	TAT Requested (days)	
State, Zip: IL, 60436		
Phone: 815-671-2258(Tel)	PO #: 4502120600	500-246814 COC
Email:	WO #:	
Project Name: Joliet #9 CCR 1Q24	Project #: 50011504	
Site: Illinois	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	Z	other (specify)

Other:

Sample Identification	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903- Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D	N					
3 G315	03/04/24	1119		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	*Metals List: Sb As Ba,Be B,Cd,Ca,Cr,Co,Li Pb Mo SeTl
4 G335	03/04/24	1206		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
5 G475	03/04/24	1326		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	03/04/24 e 1455	EET		3/4/24 1455	EET
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: 4.5 → 4.0

Eurofins North Central
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s).	COC No.: 500-82773-37779 1
Client Contact: Mr John Niedzwiecki	Phone:	E-Mail: diana.mockler@et.eurofinsus.com		Page: Page
Company: Midwest Generation				Job #: 500-246814

Address: 1800 Channahon Road	Due Date Requested	Analysis Requested	Preservation Codes
City: Joliet	TAT Requested (days)		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 Z other (specify)
State Zip: IL, 60436			
Phone: 815-671-2258(Tel)	PO #: 4502120600		Other:
Email	WO #:		
Project Name: Joliet #9 CCR 1Q24	Project #: 50011504		
Site: Illinois	SSOW#:		

500-246814 COC

Sample Identification	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903- Rad 226	904 - Rad 228	Rad Combined						Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D	N										
T13S	03/06/24	0939		Water																5	*Metals List: Sb,As,Ba,Be B Cd Ca Cr Co Li Pb Mo SeTl
T12S	03/06/24	1033		Water																5	
G44S	03/06/24	1120		Water																5	
G39S	03/06/24	1251		Water																5	
G48S	03/06/24	1345		Water																5	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

6790
10

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	[signature]	03/06/24 1522	EEA	[signature]	3/6/24 1522	EEA
	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	2.8 → 2.3

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-119638-47930 1
Client Contact: James Thorne	Phone:	E-Mail: Diana Mockler@et eurofinsus com	State of Origin:	Page: Page 1
Company: Midwest Generation EME LLC	PWSID:			Job #: 500-246814

Address: 1800 Channahon Road	Due Date Requested:	
City: Joliet	TAT Requested (days):	
State, Zip: IL, 60436	Compliance Project: Δ Yes Δ No	
Phone:	PO #: 4502153835	
Email: james thorne@nrg com	WO #:	
Project Name: Joliet #9 CCR	Project #: 50011504	
Site: Illinois	SSOW#:	

500-246814 COC

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	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903 - Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
				Preservation Code:				D	D	D	D	N					
11	G30S	03/07/24	0928		Water			/	/	/	/	/	/	/	/	5	
12	R32S	03/07/24	1147		Water			/	/	/	/	/	/	/	/	5	
13	G46S	03/07/24	1319		Water			/	/	/	/	/	/	/	/	5	
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	03/07/24 @ 1440	EETA		3/7/24 1440	EETA
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
		2.7-22

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-119638-47930.1
Client Contact: James Thorne	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com		Page: Page 1 500-246814
Company: Midwest Generation EME LLC	PWSID:			Job #: ~~500-247814~~
Address: 1800 Channahon Road	Due Date Requested:	Analysis Req	500-246814 COC	Preservation Codes: 03/15/24
City: Joliet	TAT Requested (days):			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)
State, Zip: IL, 60436	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4502153835			Other:
Email: james.thorne@nrg.com	WO #:			
Project Name: Joliet #9 CCR	Project #: 50011504			
Site: Illinois	SSOW#:			

	Sample Identification	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903 - Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
				Preservation Code:				D	D	D	D	N					
17	TO2S	03/12/24	0947		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
18	TO3S	03/12/24	1135		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
19	G45S	03/12/24	1221		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
20	DUP of G45S	03/12/24	1227		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		03/12/24e 1405	EETA	Stephanie Hernandez	3/12/24 1405	EETA
	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: 3.1+2.6

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-119638-47930 1
Client Contact: James Thorne	Phone:	E-Mail: Diana Mockler@et.eurofinsus com	State of Origin:	Page: Page 1
Company: Midwest Generation EME LLC	PWSID:			Job #: 500-246814

Address: 1800 Channahon Road	Due Date Requested:
City: Joliet	TAT Requested (days):
State, Zip: IL, 60436	Compliance Project: Δ Yes Δ No
Phone:	PO #: 4502153835
Email: james thorne@nrg com	WO #:
Project Name: Joliet #9 CCR	Project #: 50011504
Site: Illinois	SSOW#:

500-246814 COC

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	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903 - Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
	Preservation Code:							D	D	D	D	N					
21	T01S	03/13/24	0958		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
22	T08S	03/13/24	1202		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
23	T11S	03/13/24	1345		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	03/13/24 1532	EETA		3/13/24 1532	EETA
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
		5.4-7.4.9

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Noe Lopez / James Reed	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-119638-47930.1
Client Contact: James Thorne	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin:	Page: Page 1
Company: Midwest Generation EME LLC	PWSID:			Job #: 500-246814

Address: 1800 Channahon Road	Due Date Requested:
City: Joliet	TAT Requested (days):
State, Zip: IL, 60436	Compliance Project: Δ Yes Δ No
Phone:	PO #: 4502153835
Email: james.thorne@nrg.com	WO #:
Project Name: Joliet #9 CCR	Project #: 50011504
Site: Illinois	SSOW#:

500-246814 COC

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	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)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903 - Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:
	Preservation Code:							D	D	D	D	N					
14	T09S	03/11/24	1003		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
15	T06S	03/11/24	1131		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
16	T05S	03/11/24	1322		Water			✓	✓	✓	✓	✓	✓	✓	✓	5	
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												
					Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		03/11/24e 1525	EET#		3/11/24 1525	EETA
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: 4.0-7.3.5

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: 500-185210.1
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 #: 500-246814-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/28/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: 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 (500-246814-1)	2/29/24	09:44 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R08S (500-246814-2)	2/29/24	13:27 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
	[signature]	2/29/24 1500				
	Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: MAR 01 2024 0840	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-185285.1
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 #: 500-246814-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/21/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: 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:								
G31S (500-246814-3)	3/4/24	11:19 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G33S (500-246814-4)	3/4/24	12:06 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G47S (500-246814-5)	3/4/24	13:26 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	[signature]	3/4/24 1520		Richard Thornley	MAR 0 5 2024 0840	ETA STL
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:

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-185372.1
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 #: 500-246814-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/21/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #			
Email:	WO #:			
Project Name: 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:								
T13S (500-246814-6)	3/6/24	09:39 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T12S (500-246814-7)	3/6/24	10:33 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G44S (500-246814-8)	3/6/24	11:20 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G39S (500-246814-9)	3/6/24	12:51 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G48S (500-246814-10)	3/6/24	13:45 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	Shin Scott	3/6/24 1610		Richard Thornley	MAR 0 7 2024 0835	ETA STL
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:

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-185427.1
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 #: 500-246814-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/21/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 1Q24	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 (500-246814-11)	3/7/24	09:28 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R32S (500-246814-12)	3/7/24	11:47 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G46S (500-246814-13)	3/7/24	13:19 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
Shari Scott	3/7/24 1440				
Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: MAR 0 8 2024 0850	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: 500-185599.1
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 #: 500-246814-2
Address: 13715 Rider Trail North,	Due Date Requested: 3/21/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045	PO #:			
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	WO #:			
Email:	Project #: 50011504			
Project Name: Joliet #9 (Quarry) CCR (RAD) 1Q24	SSOW#:			
Site: NRG Midwest Generation LSQ Joliet #9 CCR				

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 (500-246814-17)	3/12/24	09:47 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T03S (500-246814-18)	3/12/24	11:33 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G45S (500-246814-19)	3/12/24	12:27 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
DUP of G45S (500-246814-20)	3/12/24	12:27 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	3/12/24 1600	EEA	Richard Thornley	MAR 13 2024 0840	ETA STL
2						
3						

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-185594.1
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 #: 500-246814-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/8/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR (RAD) 1Q24	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 (500-246814-14)	3/11/24	10:03 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T06S (500-246814-15)	3/11/24	11:31 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T05S (500-246814-16)	3/11/24	13:22 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 Hemandez	3/12/24 1600	EEA	Richard Thornley	MAR 13 2024 0840	ETASTL
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:

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-185667.1
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 #: 500-246814-1
Address: 13715 Rider Trail North,	Due Date Requested: 3/21/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 1Q24	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:								
T01S (500-246814-21)	3/13/24	09:58 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T08S (500-246814-22)	3/13/24	12:02 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T11S (500-246814-23)	3/13/24	13:45 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:	Date/Time:	Company	Received by: M. Pinette	Date/Time: MAR 14 2024 0850	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6,4.0,2.3,2.2,3.5,2.6,4.9
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: 500-246814-2

Login Number: 246814
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 03/01/24 01:54 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").	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: 500-246814-2

Login Number: 246814
List Number: 3
Creator: Thornley, Richard W

List Source: Eurofins St. Louis
List Creation: 03/05/24 12:20 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814
List Number: 4
Creator: Thornley, Richard W

List Source: Eurofins St. Louis
List Creation: 03/07/24 02:05 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814
List Number: 5
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 03/08/24 01:22 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814
List Number: 6
Creator: Thornley, Richard W

List Source: Eurofins St. Louis
List Creation: 03/13/24 01:47 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814
List Number: 7
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 03/14/24 11:38 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").	N/A	
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
Job ID: 500-246814-2
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Client Sample ID: G20S
Lab Sample ID: 500-246814-1
Date Collected: 02/29/24 09:44
Matrix: Water
Date Received: 02/29/24 14:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650659	BMW	EET SL	03/04/24 07:13
Total/NA	Analysis	903.0		1	653959	SCB	EET SL	03/26/24 15:10
Total/NA	Prep	PrecSep_0			650660	BMW	EET SL	03/04/24 07:35
Total/NA	Analysis	904.0		1	653889	SWS	EET SL	03/25/24 12:38
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: R08S
Lab Sample ID: 500-246814-2
Date Collected: 02/29/24 13:27
Matrix: Water
Date Received: 02/29/24 14:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650659	BMW	EET SL	03/04/24 07:13
Total/NA	Analysis	903.0		1	653959	SCB	EET SL	03/26/24 15:10
Total/NA	Prep	PrecSep_0			650660	BMW	EET SL	03/04/24 07:35
Total/NA	Analysis	904.0		1	653889	SWS	EET SL	03/25/24 12:37
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: G31S
Lab Sample ID: 500-246814-3
Date Collected: 03/04/24 11:19
Matrix: Water
Date Received: 03/04/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651151	BMW	EET SL	03/06/24 07:11
Total/NA	Analysis	903.0		1	654350	SCB	EET SL	03/28/24 09:27
Total/NA	Prep	PrecSep_0			651153	BMW	EET SL	03/06/24 07:32
Total/NA	Analysis	904.0		1	653989	SCB	EET SL	03/26/24 12:28
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: G33S
Lab Sample ID: 500-246814-4
Date Collected: 03/04/24 12:06
Matrix: Water
Date Received: 03/04/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651151	BMW	EET SL	03/06/24 07:11
Total/NA	Analysis	903.0		1	654350	SCB	EET SL	03/28/24 09:27
Total/NA	Prep	PrecSep_0			651153	BMW	EET SL	03/06/24 07:32
Total/NA	Analysis	904.0		1	653991	SCB	EET SL	03/26/24 12:20
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G47S
Date Collected: 03/04/24 13:26
Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651151	BMW	EET SL	03/06/24 07:11
Total/NA	Analysis	903.0		1	654351	SCB	EET SL	03/28/24 13:28
Total/NA	Prep	PrecSep_0			651153	BMW	EET SL	03/06/24 07:32
Total/NA	Analysis	904.0		1	653991	SCB	EET SL	03/26/24 12:21
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: T13S
Date Collected: 03/06/24 09:39
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:46
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: T12S
Date Collected: 03/06/24 10:33
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:46
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G44S
Date Collected: 03/06/24 11:20
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:47
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G39S
Date Collected: 03/06/24 12:51
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:47
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G48S
Date Collected: 03/06/24 13:45
Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:47
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G30S
Date Collected: 03/07/24 09:28
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651901	KAK	EET SL	03/11/24 09:26
Total/NA	Analysis	903.0		1	655001	SCB	EET SL	04/02/24 15:22
Total/NA	Prep	PrecSep_0			651904	KAK	EET SL	03/11/24 09:33
Total/NA	Analysis	904.0		1	654901	SCB	EET SL	04/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: R32S
Date Collected: 03/07/24 11:47
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651901	KAK	EET SL	03/11/24 09:26
Total/NA	Analysis	903.0		1	655001	SCB	EET SL	04/02/24 15:22
Total/NA	Prep	PrecSep_0			651904	KAK	EET SL	03/11/24 09:33
Total/NA	Analysis	904.0		1	654901	SCB	EET SL	04/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G46S
Date Collected: 03/07/24 13:19
Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651901	KAK	EET SL	03/11/24 09:26
Total/NA	Analysis	903.0		1	655001	SCB	EET SL	04/02/24 15:23
Total/NA	Prep	PrecSep_0			651904	KAK	EET SL	03/11/24 09:33
Total/NA	Analysis	904.0		1	654901	SCB	EET SL	04/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T09S
Date Collected: 03/11/24 10:03
Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:52
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T06S
Date Collected: 03/11/24 11:31
Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:52
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T05S
Date Collected: 03/11/24 13:22
Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:52
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T02S
Date Collected: 03/12/24 09:47
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:52
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T03S
Date Collected: 03/12/24 11:33
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G45S
Date Collected: 03/12/24 12:27
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 13:02
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G45S Dup
Date Collected: 03/12/24 12:27
Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 13:02
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T01S

Lab Sample ID: 500-246814-21

Date Collected: 03/13/24 09:58
Matrix: Water
Date Received: 03/13/24 15:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652682	KAK	EET SL	03/15/24 10:56
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 17:02
Total/NA	Prep	PrecSep_0			652684	KAK	EET SL	03/15/24 11:13
Total/NA	Analysis	904.0		1	655549	SCB	EET SL	04/05/24 11:54
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T08S

Lab Sample ID: 500-246814-22

Date Collected: 03/13/24 12:02
Matrix: Water
Date Received: 03/13/24 15:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652682	KAK	EET SL	03/15/24 10:56
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 17:02
Total/NA	Prep	PrecSep_0			652684	KAK	EET SL	03/15/24 11:13
Total/NA	Analysis	904.0		1	655549	SCB	EET SL	04/05/24 11:54
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T11S

Lab Sample ID: 500-246814-23

Date Collected: 03/13/24 13:45
Matrix: Water
Date Received: 03/13/24 15:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652682	KAK	EET SL	03/15/24 10:56
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 17:30
Total/NA	Prep	PrecSep_0			652684	KAK	EET SL	03/15/24 11:13
Total/NA	Analysis	904.0		1	655549	SCB	EET SL	04/05/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

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
Job ID: 500-246814-2
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

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)						
500-246814-1	G20S	104						
500-246814-2	R08S	106						
500-246814-3	G31S	93.4						
500-246814-4	G33S	73.6						
500-246814-5	G47S	95.7						
500-246814-6	T13S	100						
500-246814-7	T12S	85.1						
500-246814-8	G44S	96.1						
500-246814-9	G39S	104						
500-246814-10	G48S	104						
500-246814-11	G30S	97.9						
500-246814-12	R32S	105						
500-246814-13	G46S	99.0						
500-246814-14	T09S	58.0						
500-246814-15	T06S	87.9						
500-246814-16	T05S	83.5						
500-246814-17	T02S	85.6						
500-246814-18	T03S	87.6						
500-246814-19	G45S	86.1						
500-246814-20	G45S Dup	93.6						
500-246814-21	T01S	76.0						
500-246814-22	T08S	83.2						
500-246814-22 DU	T08S	74.0						
500-246814-23	T11S	88.4						
LCS 160-650659/2-A	Lab Control Sample	110						
LCS 160-651151/2-A	Lab Control Sample	99.5						
LCS 160-651627/2-A	Lab Control Sample	112 X						
LCS 160-651901/2-A	Lab Control Sample	103						
LCS 160-652387/2-A	Lab Control Sample	97.9						
LCS 160-652682/2-A	Lab Control Sample	99.0						
MB 160-650659/1-A	Method Blank	105						
MB 160-651151/1-A	Method Blank	93.4						
MB 160-651627/1-A	Method Blank	107						
MB 160-651901/1-A	Method Blank	102						
MB 160-652387/1-A	Method Blank	97.9						

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)					
500-246814-1	G20S	104	83.7					
500-246814-2	R08S	106	86.7					
500-246814-3	G31S	93.4	84.9					
500-246814-4	G33S	73.6	81.5					
500-246814-5	G47S	95.7	83.0					

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Job ID: 500-246814-2
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

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)
500-246814-6	T13S	100	82.6
500-246814-7	T12S	85.1	88.2
500-246814-8	G44S	96.1	86.7
500-246814-9	G39S	104	88.2
500-246814-10	G48S	104	83.7
500-246814-11	G30S	97.9	77.0
500-246814-12	R32S	105	74.4
500-246814-13	G46S	99.0	81.1
500-246814-14	T09S	58.0	83.7
500-246814-15	T06S	87.9	88.6
500-246814-16	T05S	83.5	85.2
500-246814-17	T02S	85.6	82.2
500-246814-18	T03S	87.6	83.0
500-246814-19	G45S	86.1	83.0
500-246814-20	G45S Dup	93.6	89.7
500-246814-21	T01S	76.0	78.9
500-246814-22	T08S	83.2	79.3
500-246814-22 DU	T08S	74.0	78.5
500-246814-23	T11S	88.4	77.8
LCS 160-650660/2-A	Lab Control Sample	110	80.4
LCS 160-651153/2-A	Lab Control Sample	99.5	83.7
LCS 160-651629/2-A	Lab Control Sample	112 X	84.1
LCS 160-651904/2-A	Lab Control Sample	103	85.6
LCS 160-652388/2-A	Lab Control Sample	97.9	84.9
LCS 160-652684/2-A	Lab Control Sample	99.0	81.9
MB 160-650660/1-A	Method Blank	105	83.7
MB 160-651153/1-A	Method Blank	93.4	83.4
MB 160-651629/1-A	Method Blank	107	82.6
MB 160-651904/1-A	Method Blank	102	86.4
MB 160-652388/1-A	Method Blank	97.9	82.6
MB 160-652684/1-A	Method Blank	94.8	83.0

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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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 #: 500-246814-1

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: 02/29/24 Start Purge: 0926 (2400 Hr. Clock) End Purge: 0944

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 52.83 (ft.)
Ground Water Elev. 528.04 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

	1st	2nd	Final	
pH	7.64	7.61	7.61	(std.)
SC	684	692	692	(umhos/cm)
Temp.	10.74	10.62	10.62	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 29°F, Sunny, S winds e 0-5 mph
Turbidity: 4.18 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 52.83 - 2.78 = 50.05 (ft)
Levels were taken on 02/29/24 @ 0920.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814.2

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: 02/29/24 Start Purge: 1312 (2400 Hr. Clock) End Purge: 1327

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 73.24 (ft.)
Ground Water Elev. 505.42 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

	1st	2nd	Final	
pH	7.94	~~7.96~~ 7.96 (NC)	7.96	(std.)
SC	1013	1016	1016	(umhos/cm)
Temp.	12.18	12.18	12.18	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 41°F, Sunny, S winds @ 5-10 mph
Turbidity: 0.64 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 73.24 - 2.55 = 70.69 (ft.)
Levels were taken on 02/29/24 @ 1307

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-3

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: 03/04/24 Start Purge: 1059 (2400 Hr. Clock) End Purge: 1119

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.90

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.58 (ft)
Ref. Measuring Pt. TIC
Well Elevation *535.73 (ft./msl)
Water Level 31.23 (ft.)
Ground Water Elev. 504.50 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

	1st	2nd	Final	
pH	7.31	7.27	7.27	(std.)
SC	1,550	1,550	1,550	(umhos/cm)
Temp.	14.14	14.16	14.16	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 67°F, Cloudy, S winds @ 5-10 mph
Turbidity: 1.36 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 31.23 - 2.58 = 28.65 (ft.)
Levels were taken on 03/04/24 @ 1054

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-4

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: 03/04/24 Start Purge: 1148 (2400 Hr. Clock) End Purge: 1206

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 1.73 (ft)
Ref. Measuring Pt. TIC
Well Elevation *535.67 (ft./msl)
Water Level 38.78 (ft.)
Ground Water Elev. 496.89 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

	1st	2nd	Final	
pH	7.32	7.33	7.33	(std.)
SC	694	693	693	(umhos/cm)
Temp.	13.76	13.72	13.72	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 65°F, Cloudy, S winds @ 5-10 mph
Turbidity: 83.20 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 38.78 - 1.73 = 37.05 (ft)
Levels were taken on 03/04/24 @ 1143.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-5

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: 03/04/24 Start Purge: 1306 (2400 Hr. Clock) End Purge: 1326

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

MEASUREMENTS

Well Diameter 4.0 (inches)
Stick Up 2.50 (ft)
Ref. Measuring Pt. TIC
Well Elevation *612.23 (ft./msl)
Water Level 94.73 (ft.)
Ground Water Elev. 517.50 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

	1st	2nd	Final	
pH	8.47	8.49	8.49	(std.)
SC	1,600	1,590	1,590	(umhos/cm)
Temp.	13.86	13.85	13.85	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 66°F, Cloudy, S winds @ 5-10 mph
Turbidity: 0.74 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 94.73 - 2.50 = 92.23 (ft.)
Levels were taken on 03/04/24 @ 1301

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-1e

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: 03/06/24 Start Purge: 0925 (2400 Hr. Clock) End Purge: 0939

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.76 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 525.33 (ft./msl)
Water Level 19.98 (ft.)
Ground Water Elev. 505.35 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

	1st	2nd	Final	
pH	7.41	7.43	7.43	(std.)
SC	896	891	891	(umhos/cm)
Temp.	12.47	12.42	12.42	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 44°F, Sunny, NE winds @ 5-10 mph
Turbidity: 33.10 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 19.98 - 2.76 = 17.22 (ft)
Levels were taken on 03/06/24 @ 0920
* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-7

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: 03/06/24 Start Purge: 1019 (2400 Hr. Clock) End Purge: 1033

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.74 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 578.74 (ft./msl)
Water Level 75.00 (ft.)
Ground Water Elev. 503.74 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

	1st	2nd	Final	
pH	7.57	7.58	7.58	(std.)
SC	1010	1007	1007	(umhos/cm)
Temp.	12.06	12.05	12.05	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: p.c. & Colorless, Slight Turbidity, No Odor
Weather Conditions: 46°F, Cloudy, NE winds @ 5-10 mph
Turbidity: 38.80 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 75.00 - 2.74 = 72.26 (A)
Levels were taken on 03/06/24 @ 1014.
* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-8

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: 03/06/24 Start Purge: 1104 (2400 Hr. Clock) End Purge: 1120

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.18 (ft)
Ref. Measuring Pt. TIC
Well Elevation *586.68 (ft./msl)
Water Level 83.61 (ft.)
Ground Water Elev. 503.07 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

	1st	2nd	Final	
pH	7.32	7.29	7.29	(std.)
SC	1,103	1,097	1,097	(umhos/cm)
Temp.	13.19	13.58	13.58	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 46°F, Mostly Cloudy, NE winds e 5-10 mph
Turbidity: 6.71 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 83.61 - 2.18 = 81.43 (ft.)
Levels were taken on 03/06/24 @ 1059

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-9

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: 03/06/24 Start Purge: 1234 (2400 Hr. Clock) End Purge: 1251

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.88

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.08 (ft)
Ref. Measuring Pt. TIC
Well Elevation *598.75 (ft./msl)
Water Level 97.20 (ft.)
Ground Water Elev. 501.55 (ft./msl)
Well Bottom Elevation *454.15 (ft./msl)

	1st	2nd	Final	
pH	6.97	7.00	7.00	(std.)
SC	718	727	727	(umhos/cm)
Temp.	11.52	11.55	11.55	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 48°F, Sunny, NE winds 5-10 mph
Turdity 10.20 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 97.20 - 2.08 = 95.12 (A)
Levels were taken on 03/06/24 @ 1229.

(Updated: 09-19-2023)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-10

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: 03/06/24 Start Purge: 1323 (2400 Hr. Clock) End Purge: 1345

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.14

MEASUREMENTS

Well Diameter 4.0 (inches)
Stick Up 2.45 (ft)
Ref. Measuring Pt. TIC
Well Elevation *620.77 (ft./msl)
Water Level 103.50 (ft.)
Ground Water Elev. 517.27 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

	1st	2nd	Final	
pH	8.05	8.06	8.06	(std.)
SC	1,424	1,417	1,417	(umhos/cm)
Temp.	14.63	14.57	14.57	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 48°F, Sunny, NE winds 5-10 mph
Turbidity: 1.08 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 103.50 - 2.45 = 101.05 (ft.)
Levels were taken on 03/06/24 @ 1318.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-1

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: 03/07/24 Start Purge: 0910 (2400 Hr. Clock) End Purge: 0928

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 1.83 (ft.)
Ground Water Elev. 523.03 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

	1st	2nd	Final	
pH	7.80	7.78	7.78	(std.)
SC	1,780	1,780	1,780	(umhos/cm)
Temp.	8.45	8.43	8.43	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 41°F, Cloudy, E winds 0-5 mph
Turbidity: 4.14 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.83 - 2.31 = -0.48 (ft.)
Levels were taken on 03/07/24 @ 0905.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-12

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: 03/07/24 Start Purge: 1128 (2400 Hr. Clock) End Purge: 1147

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.74

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.03 (ft)
Ref. Measuring Pt. TIC
Well Elevation *536.97 (ft./msl)
Water Level 23.56 (ft.)
Ground Water Elev. 513.41 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

	1st	2nd	Final	
pH	7.44	7.41	7.41	(std.)
SC	788	807	807	(umhos/cm)
Temp.	11.78	11.73	11.73	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 43°F, Cloudy, SE winds e 0-5 mph
Turbidity: 0.83 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 23.56 - 2.03 = 21.53 (ft.)
Levels were taken on 03/07/24 @ 1123
well usually purges for 14 seconds every 30 seconds. well will only purge for 6 seconds every 30 seconds. Pump in well may be faulty.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-246814-13

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: 03/07/24 Start Purge: 1303 (2400 Hr. Clock) End Purge: 1319

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.72

MEASUREMENTS

Well Diameter 4.0 (inches)
Stick Up 2.70 (ft)
Ref. Measuring Pt. TIC
Well Elevation *601.41 (ft./msl)
Water Level 111.20 (ft.)
Ground Water Elev. 490.21 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

	1st	2nd	Final	
pH	7.35	7.36	7.36	(std.)
SC	1300	1300	1300	(umhos/cm)
Temp.	11.87	11.88	11.88	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 49°F, Cloudy, SE winds e 0-5 mph
Turbidity: 71.10 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 111.20 - 2.70 = 108.50 (ft.)
Levels were taken on 03/07/24 @ 1258.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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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 #: 500-24,814-14

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: 03/11/24 Start Purge: 0945 (2400 Hr. Clock) End Purge: 1003

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 110.52 (ft.)
Ground Water Elev. 492.96 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

	1st	2nd	Final	
pH	7.45	7.46	7.46	(std.)
SC	1,170	1,171	1,171	(umhos/cm)
Temp.	7.91	7.90	7.90	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, High Turbidity, No Odor
Weather Conditions: 42°F, Sunny, SW winds 5-10 mph
Turbidity: 326 NTU

Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 110.52 - 2.40 = 108.12 (ft)
Levels were taken on 03/11/24 M.S. @ 0930
* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

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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 #: 500-246814-15

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: 03/11/24 Start Purge: 1108 (2400 Hr. Clock) End Purge: 1131

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.74

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.30 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 621.05 (ft./msl)
Water Level 117.15 (ft.)
Ground Water Elev. 503.90 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

	1st	2nd	Final	
pH	7.33	7.33	7.33	(std.)
SC	777	775	775	(umhos/cm)
Temp.	13.76	13.79	13.79	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 51°F, Sunny, SW winds @ 5-10 mph
Turbidity: 7.31 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 117.15 - 2.30 = 114.85 (ft)
Levels were taken on 03/11/24 @ 1053.
* Total Deth = 173.00

(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 #: 500-241814-1G

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: 03/11/24 Start Purge: 1305 (2400 Hr. Clock) End Purge: 1322

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.40 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 623.50 (ft./msl)
Water Level 123.42 (ft.)
Ground Water Elev. 500.08 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

	1st	2nd	Final	
pH	10.01	10.02	10.02	(std.)
SC	2260	2260	2260	(umhos/cm)
Temp.	17.46	17.43	17.43	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 61°F, Sunny, SW winds @ 5-10 mph
Turbidity: 2.04 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 123.42 - 2.40 = 121.02 (ft)
Levels were taken on 03/11/24 @ 1250
* Total Deth = 175.00

(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: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-17

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: 03/12/24 Start Purge: 0930 (2400 Hr. Clock) End Purge: 0947

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.33 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 626.12 (ft./msl)
Water Level 134.25 (ft.)
Ground Water Elev. 491.87 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

	1st	2nd	Final	
pH	7.83	7.79	7.79	(std.)
SC	1,316	1,318	1,318	(umhos/cm)
Temp.	12.45	12.49	12.49	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 52°F, Mostly Sunny, SW winds e 0-5 mph
Turbidity: 101 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 134.25 - 2.33 = 131.92 (ft.)
Levels were taken on 03/12/24 @ 0915.
* Total Depth = 172.75

(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: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-24814.18

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: 03/12/24 Start Purge: 1113 (2400 Hr. Clock) End Purge: 1133

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 3.08 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 629.85 (ft./msl)
Water Level 138.41 (ft.)
Ground Water Elev. 491.44 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

	1st	2nd	Final	
pH	7.52	7.50	7.50	(std.)
SC	1,275	1,271	1,271	(umhos/cm)
Temp.	12.38	12.41	12.41	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor
Weather Conditions: 59°F, Mostly Sunny, SW winds @ 5-10 mph
Turbidity: 3.37 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 138.41 - 3.08 = 135.33 (A)
Levels were taken on 03/12/24 @ 1108
* Total Depth = 172.95

(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 #: 500-246814-19

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: 03/12/24 Start Purge: 1210 (2400 Hr. Clock) End Purge: 1227

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.10

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.97 (ft)
Ref. Measuring Pt. TIC
Well Elevation *603.80 (ft./msl)
Water Level 64.59 (ft.)
Ground Water Elev. 539.21 (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

	1st	2nd	Final	
pH	7.50	7.49	7.49	(std.)
SC	936	941	941	(umhos/cm)
Temp.	14.40	14.43	14.43	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 62°F, Partly Sunny, SW winds 5-10 mph
Turbidity: 0.58 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 64.59 - 2.97 = 61.62 (ft.)
Levels were taken on 03/12/24 @ 1205.

(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 Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-20

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: _____ Start Purge: _____ (2400 Hr. Clock) End Purge: _____

Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd *Final*

Stick Up 2.97 (ft) pH _____ _____ _____ _____ (std.)

Ref. Measuring Pt. TIC SC _____ _____ _____ _____ (umhos/cm)

Well Elevation *603.80 (ft./msl) Temp._____ _____ _____ _____ (°C)

Water Level _____ (ft.) Well Stabilization / Recharge Grid

Ground Water Elev. _____ (ft./msl)

Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____

Weather Conditions: _____

Turbidity: NTU

Other: *Reference Measurement

Depth To Water from L.S. = _____

Levels were taken on @ .

(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 #: 500-246814-21

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: 03/13/24 Start Purge: 0936 (2400 Hr. Clock) End Purge: 0958

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.28

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.48 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 621.84 (ft./msl)
Water Level 122.87 (ft.)
Ground Water Elev. 498.97 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

	1st	2nd	Final	
pH	7.50	7.53	7.53	(std.)
SC	1363	1359	1359	(umhos/cm)
Temp.	13.54	13.52	13.52	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, Slight Odor
Weather Conditions: 61°F, Sunny, SE winds e 0-5 mph
Turbidity: 379 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 122.87 - 2.48 = 120.39 (ft.)
Levels were taken on 03/13/24 @ 0916
* Total Depth = 170.00

(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: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-22

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: 03/13/24 Start Purge: 1140 (2400 Hr. Clock) End Purge: 1202

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 129.72 (ft.)

Ground Water Elev. 497.83 (ft./msl)

Well Bottom Elevation * 447.38 (ft./msl)

	1st	2nd	Final	
pH	8.89	8.91	8.91	(std.)
SC	1404	1392	1392	(umhos/cm)
Temp.	16.04	16.05	16.05	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor

Weather Conditions: 65°F, Sunny, SE winds @ 5-10 mph

Turbidity: 13.40 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 129.72 - 2.38 = 127.34 (ft.)

Levels were taken on 03/13/24 @ 1125.

* 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: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-23

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: 03/13/24 Start Purge: 1325 (2400 Hr. Clock) End Purge: 1345

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.74 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 559.48 (ft./msl)
Water Level 68.15 (ft.)
Ground Water Elev. 491.33 (ft./msl)
Well Bottom Elevation * 445.60 (ft./msl)

	1st	2nd	Final	
pH	7.68	7.63	7.63	(std.)
SC	918	922	922	(umhos/cm)
Temp.	17.06	17.06	17.06	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 70°F, Fair, SE winds @ 0-5 mph
Turbidity 66.20 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 68.15 - 2.74 = 65.41 (ft.)
Levels were taken on 03/13/24 @ 1310.
* Total Depth: 113.76

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1