

## **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 4<sup>th</sup> quarter 2023 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

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

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 - 228 Combined	Selenium	Thallium	
up-gradient	11/20/2015	0.81	120	180	0.55	7.20	260	810	< 0.003	0.0081	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.002	0.0120	1.76	< 0.0025	< 0.002	
	5/12/2016	0.68	110	140	0.54	7.37	300	840	< 0.003	0.0076	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.002	0.0100	3.01	< 0.0025	< 0.002	
	6/28/2016	0.48	87	110	0.54	7.50	170	670	< 0.003	0.0075	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.054	< 0.002	0.0088	2.65	< 0.0025	< 0.002	
	8/25/2016	0.47	94	100	0.55	7.28	170	790	< 0.003	0.0076	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.051	< 0.002	0.0086	1.91	< 0.0025	< 0.002	
	11/16/2016	0.41	91	90	0.63	7.34	170	620	< 0.003	0.0079	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.002	0.0094	2.04	< 0.0025	< 0.002	
	2/14/2017	0.43	97	97	0.52	7.36	160	620	< 0.003	0.0093	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.002	0.0083	1.85	< 0.0025	< 0.002	
	5/22/2017	0.26	85	120	0.53	7.20	150	660	< 0.003	0.0062	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.002	0.0093	1.40	< 0.0025	< 0.002	
	7/7/2017	0.42	94	120	0.51	7.21	150	600	< 0.003	0.0086	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.002	0.0077	1.88	< 0.0025	< 0.002	
	9/26/2017	0.43	110	130	0.53	7.21	160	790	< 0.003	0.0096	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.002	0.0079	2.14	< 0.0025	< 0.002	
	11/21/2017	0.54	96	130	0.53	7.29	180	700	< 0.003	0.0084	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.002	0.0072	8.45	< 0.0025	< 0.002	
	3/8/2018	0.38	87	110	0.53	7.18	180	710	< 0.003	0.0075	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.002	0.008	1.89	< 0.0025	< 0.002	
	5/21/2018	0.76	110	150	0.53	7.00	230	970	NA	0.0072	0.047	NA	NA	NA	NA	NA	0.0005	0.053	NA	0.013	2.37	< 0.0025	NA
	12/7/2018	0.46	91	120	0.53	7.02	190	740	NA	0.0090	0.047	NA	NA	NA	NA	NA	0.0005	0.031	NA	0.0100	1.910	< 0.0025	NA
	6/28/2019	0.29	96	120	0.53	7.20	170	720	NA	0.0100	0.039	NA	NA	NA	NA	NA	0.0005	0.028	NA	0.0088	1.59	< 0.0025	NA
	11/14/2019	0.48	110	170	0.53	7.33	170	830	NA	< 0.0100	0.042	NA	NA	NA	NA	NA	0.0005	0.034	NA	0.0100	2.89	< 0.010	NA
	6/26/2020	0.62	130	220	0.53	7.21	240	970	NA	0.011	0.049	NA	NA	NA	NA	NA	0.0005	0.039	NA	0.0088	3.1	< 0.0025	NA
	12/1/2020	0.70	120	180	0.58	7.16	220	790	NA	0.011	0.042	NA	NA	NA	NA	NA	0.0005	0.038	NA	0.012	1.88	< 0.0025	NA
	6/28/2021	0.44	91	120	0.55	7.20	150	680	< 0.003	0.0081	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.002	0.0081	2.14	< 0.0025	< 2.0	
	9/23/2021	0.39	85	110	0.55	7.43	140	690	< 0.003	0.01	0.36	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.002	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	< 0.002	0.0073	1.74	< 0.0025	< 0.002	
	3/16/2022	0.5	130	86	0.36	7.25	130	700	< 0.003	0.0018	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.002	0.0092	2.62	< 0.0025	< 0.002	
	6/10/2022	0.34	84	130	0.55	7.28	130	630	< 0.003	0.0082	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.002	0.0072	2.17	< 0.0025	< 0.002	
	9/26/2022	0.48	97	150	0.58	7.14	180	830	< 0.003	0.0086	0.042	*H< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.002	0.011	2.63	< 0.0025	< 0.002	
	12/21/2022	0.39	110	190	0.72	7.26	190	820	< 0.003	0.0095	0.05	< 0.001	< 0.001	< 0.005	< 0.001	< 0.0005	0.029	< 0.002	0.0089	2.91	< 0.0025	< 0.002	
	3/22/2023	0.44	91	120	0.55	7.00	160	640	< 0.003	0.0096	0.04	< 0.001	< 0.001	< 0.005	< 0.001	< 0.0005	0.03	< 0.002	0.011	2.28	< 0.0025	< 0.002	
	6/9/2023	0.44	89	120	0.56	7.23	150	610	< 0.003	0.0094	0.038	*H< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.031	< 0.002	0.012	1.88	< 0.0025	< 0.002	
9/14/2023	0.46	87	120	0.56	7.35	FI 150	600	< 0.0020	0.010	0.033	< 0.0010	< 0.0020	< 0.0050	< 0.0050	< 0.0050	0.024	< 0.0020	0.012	1.95	< 0.0020	< 0.0010		
11/28/2023	0.50	91	130	0.53	7.20	160	680	*H< 0.0010	0.0092	0.036	< 0.0010	< 0.0020	< 0.0050	< 0.0050	0.028	< 0.0020	0.016	2.08	< 0.0020	< 0.0010			
11/10/2024	0.5	110	78	0.22	7.07	250	710	< 0.003	0.0019	0.063	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.002	0.0260	1.01	< 0.0025	< 0.002		
5/4/2016	0.84	100	190	0.21	7.16	190	820	< 0.003	0.0013	0.081	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.002	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	< 0.001	< 0.0005	0.017	< 0.002	0.037	1.18	< 0.0025	< 0.002		
8/25/2016	1.1	110	100	0.28	7.22	180	860	< 0.003	0.008	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.002	0.034	1.54	< 0.0025	< 0.002		
11/17/2016	1.3	120	100	0.19	7.14	190	860	< 0.003	0.0012	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.002	0.034	1.61	< 0.0025	< 0.002		
2/15/2017	1.0	98	110	0.19	7.26	230	810	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.002	0.038	1.12	< 0.0025	< 0.002		
5/22/2017	1.4	110	78	0.21	7.25	160	740	< 0.003	0.0017	B 0.088	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.002	0.03	1.21	< 0.0025	< 0.002		
7/7/2017	1.1	100	FI 1	0.1	7.12	180	710	< 0.003	0.001	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.002	0.039	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	< 0.001	< 0.0005	0.018	< 0.002	0.034	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	< 0.002	0.20	1.59	< 0.0025	< 0.002		
3/7/2018	1.2	110	110	0.24	7.24	250	900	< 0.003	0.0023	0.093	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.002	0.26	1.30	< 0.0025	< 0.002		
5/17/2018	1.4	100	82	0.24	7.07	210	900	NA	0.001	NA	NA	NA	NA	NA	NA	0.0005	0.021	NA	0.240	1.69	< 0.0025	NA	
12/1/2018	1.8	100	140	0.23	6.96	160	890	NA	0.0014	0.095	NA	NA	NA	NA	NA	0.0012	< 0.0005	0.03	1.31	< 0.0025	< 0.002		
6/24/2019	2.7	100	89	0.27	7.17	260	830	NA	0.0020	0.090	NA	NA	NA	NA	NA	0.0010	< 0.0005	0.027	NA	0.370	1.33	< 0.0025	NA
10/28/2019	1.5	100	90	0.28	7.19	260	850	NA	0.0018	0.088	NA	NA	NA	NA	NA	0.0011	< 0.0005	0.029	NA	0.319	1.38	< 0.0025	NA
6/25/2020	2.3	97	74	0.33	7.24	240	770	NA	0.0024	0.093	NA	NA	NA	NA	NA	0.001	< 0.0005	0.025	NA	0.23	1.65	< 0.0025	NA
12/15/2020	1.4	140	FI 170	0.27	7.01	280	960	NA	0.0013	0.11	NA	NA	NA	NA	NA	0.0015	< 0.0005	0.031	NA	0.14	1.74	< 0.0025	NA
6/22/2021	0.92	120	130	0.21	6.94	220	980	< 0.003	0.0016	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	H< 0.002	0.071	1.34	< 0.0025	< 0.002		
9/28/2021	1.2	110	110	0.21	7.45	250	640	<															

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, John 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	
	4/5/2016	1.8	140	140	0.25	7.28	210	830	< 0.003	0.0034	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.065	< 0.0002	0.28	2.28	< 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	90	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	FL	4.0	120	90	0.38	7.39	340	830	< 0.003	0.0027	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.064	< 0.0002	0.57	1.76	FI	< 0.0025
	5/25/2017	8.3	340	88	0.42	7.54	320	850	< 0.003	0.0042	0.075	* < 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	1.14	1.82	< 0.0025	< 0.002	
	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	76	0.46	7.29	290	870	< 0.003	0.0045	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.068	< 0.0002	0.86	1.79	< 0.0025	< 0.002	
	11/21/2017	5.3	140	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	0.93	1.82	< 0.0025	< 0.002	
	3/7/2018	5.8	130	86	0.52	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	0.0034	0.04	NA	NA	NA	NA	< 0.001	< 0.0005	0.1	NA	0.64	2.22	< 0.0025	NA
	12/1/2018	3.5	120	80	0.28	7.33	280	880	NA	0.0039	0.042	NA	NA	NA	NA	< 0.001	< 0.0005	0.037	0.060	NA	0.560	< 0.0025	< 0.002
	6/27/2019	6.3	140	74	0.27	7.33	380	880	NA	0.0027	0.041	NA	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	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	NA	< 0.001	< 0.0005	0.11	NA	0.64	3.92	< 0.0025	NA
12/16/2020	6.3	150	FI	0.66	7.43	430	840	NA	0.0025	0.038	NA	NA	NA	NA	< 0.0005	0.11	NA	0.75	1.27	FI	< 0.0025	< 0.002	
6/28/2021	B	4.0	130	56	0.30	7.16	430	790	< 3.0	< 0.001	0.036	< 1.0	< 5.0	< 5.0	< 0.001	< 0.0005	0.071	< 0.0002	0.53	2.10	< 0.0025	< 3.0	
9/30/2021	6.0	140	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		
12/13/2021	4.8	150	69	0.32	7.42	490	970	< 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	0.0017	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.51	2.61	< 0.0025	< 0.002		
6/08/2022	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	0.88	2.96	< 0.0025	< 0.002		
9/26/2022	5.1	130	57	0.30	7.21	450	870	< 0.003	0.0012	0.034	* < 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	61	41	0.51	7.41	400	690	< 0.003	0.0023	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.63	2.66	< 0.0025	< 0.002		
3/23/2023	4.4	130	56	0.29	7.57	390	940	< 0.003	0.0026	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.1	< 0.0002	0.62	1.86	< 0.0025	< 0.002		
6/29/2023	1.4	100	47	0.29	7.07	380	770	< 0.003	0.002	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.035	< 0.00020	0.092	2.02	< 0.0025	< 0.002		
9/12/2023	2.8	88	30	0.29	7.60	380	790	< 0.0020	< 0.0020	0.030	< 0.0010	< 0.0020	< 0.0050	< 0.0050	< 0.0050	0.074	< 0.00020	0.42	1.97	< 0.0020	< 0.0010		
12/19/2023	0.48	8.8	0.28	0.30	7.41	350	780	< 0.0030	< 0.0030	0.027	< 0.0010	< 0.0020	< 0.0050	< 0.0050	0.025	< 0.0020	0.031	< 0.0020	2.54	< 0.0020	< 0.0010		
G44S down- gradient	11/20/2015	1.0	120	43	0.21	7.11	220	640	< 0.003	0.0012	0.053	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.100	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	
	6/8/2016	0.68	100	100	0.18	7.29	99	620	< 0.003	0.0005	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.059	0.93	< 0.0025	< 0.002	
	8/28/2016	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	670	< 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	65	0.19	7.56	95	650	< 0.003	0.0013	0.048	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.031	1.92	< 0.0025	< 0.002	
	7/19/2017	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	
	9/26/2017	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	0.095	0.913	< 0.0025	< 0.002	
	3/7/2018	0.91	120	36	0.18	7.19	110	670	< 0.003	0.0013	0.053	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.049	0.911	< 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	NA	< 0.001	< 0.0005	0.016	NA	0.071	0.714	< 0.0025	< 0.002
	12/19/2018	1.1	120	43	0.19	7.41	78	630	NA	< 0.001	0.057	NA	NA	NA	NA	< 0.001	< 0.0005	0.019	NA	0.14	0.454	< 0.0025	NA
	6/19/2019	1.3	130	29	0.19	7.02	140	720	NA	< 0.001	0.062	NA	NA	NA	NA	< 0.001	< 0.0005	0.024	NA	0.13	0.441	< 0.0025	NA
	11/12/2019	1.3	140	53	0.21	7.22	160	670	NA	< 0.001	0.065	NA	NA	NA	NA	< 0.001	< 0.0005	0.026	NA	0.20	1.01	< 0.01	< 0.001
	6/29/2020	1.4	130	52	0.21	7.30	160	670	NA	< 0.001	0.066	NA	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	NA	< 0.001	< 0.0005	0.031	NA	0.28	1.18	< 0.0025	NA	
4/20/2021	B	1.8	120	65	0.21	7.00	170	730	< 0.003	0.061	* < 0.001	< 0.001	< 5.0	< 5.0	< 0.001	< 0.0005	0.011	< 0.0002					

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

Well ID	Date	Turbidity (NTU)
G4SS	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	
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	
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	
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	
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	

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	
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	
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	
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	
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	

 **ANALYTICAL REPORT****PREPARED FOR**

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

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**JOB DESCRIPTION**

Joliet #9 (Quarry) CCR 4Q23

**JOB NUMBER**

500-243693-1

# Eurofins Chicago

## Job Notes

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# Case Narrative

Client: Midwest Generation EME LLC  
Project: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Job ID: 500-243693-1**

**Eurofins Chicago**

## Job Narrative 500-243693-1

### Receipt

The samples were received on 12/11/2023 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.7° C, 0.8° C, 2.6° C, 2.9° C, 3.0° C, 3.4° C, 3.7° C, 4.2° C, 4.2° C and 5.3° C.

### Metals

Method 6020A: The initial low level calibration verification (ICVL) result for batch 748512 was above the upper control limit for Be. Sample results were below the reporting limit, and have been reported as qualified data.

Method 6020A: The initial low level calibration verification (ICVL) result for batch 749056 was above the upper control limit for Sb. Sample results were non-detects, and have been reported as qualified data.

Method 6020A: The continuing calibration verification (CCV) at line 49 in AD batch 749452 recovered above the upper control limit for Be. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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 500-748771 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 500-748935 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.

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# Method Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

Method	Method Description	Protocol	Laboratory
6020A	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 4Q23

Job ID: 500-243693-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-243693-1	G20S	Water	12/11/23 10:08	12/11/23 15:25
500-243693-2	G31S	Water	12/11/23 14:22	12/11/23 15:25
500-243693-3	T02S	Water	12/12/23 09:34	12/12/23 14:40
500-243693-4	T03S	GW	12/12/23 11:04	12/12/23 14:40
500-243693-5	T09S	Water	12/12/23 12:45	12/12/23 14:40
500-243693-6	T01S	Water	12/13/23 09:45	12/13/23 11:50
500-243693-7	T08S	Water	12/14/23 09:35	12/14/23 15:20
500-243693-8	T06S	Water	12/14/23 11:35	12/14/23 15:20
500-243693-9	T05S	Water	12/14/23 13:25	12/14/23 15:20
500-243693-10	G33S	Water	12/15/23 09:30	12/15/23 12:45
500-243693-11	G39S	Water	12/18/23 09:27	12/18/23 15:18
500-243693-12	T11S	GW	12/18/23 10:20	12/18/23 15:18
500-243693-13	G47S	GW	12/18/23 11:31	12/18/23 15:18
500-243693-14	G48S	GW	12/18/23 12:45	12/18/23 15:18
500-243693-15	T12S	Water	12/18/23 14:04	12/18/23 15:18
500-243693-16	G30S	GW	12/19/23 09:08	12/19/23 15:07
500-243693-17	R32S	GW	12/19/23 11:01	12/19/23 15:07
500-243693-18	T13S	Water	12/19/23 12:08	12/19/23 15:07
500-243693-19	T13S Dup	Water	12/19/23 12:08	12/19/23 15:07
500-243693-20	G44S	Water	12/19/23 13:39	12/19/23 15:07
500-243693-21	G46S	Water	12/20/23 09:42	12/20/23 12:35
500-243693-22	R08S	Water	12/20/23 10:37	12/20/23 12:35
500-243693-23	G45S	Water	12/20/23 11:29	12/20/23 12:35

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G20S**

**Lab Sample ID: 500-243693-1**

Date Collected: 12/11/23 10:08

Matrix: Water

Date Received: 12/11/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 18:21	1
Arsenic	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 18:21	1
<b>Barium</b>	<b>0.045</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 16:20	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 15:21	1
<b>Boron</b>	<b>1.3</b>		0.050		mg/L		12/21/23 19:31	01/02/24 15:21	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 18:21	1
<b>Calcium</b>	<b>54</b>		0.20		mg/L		12/21/23 19:31	12/29/23 16:20	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 18:21	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 18:21	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 16:20	1
<b>Lithium</b>	<b>0.040</b>		0.010		mg/L		12/21/23 19:31	01/02/24 15:21	1
<b>Molybdenum</b>	<b>0.014</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 18:21	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 18:21	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 16:20	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 07:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>420</b>		10		mg/L			12/12/23 20:18	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>16</b>		2.0		mg/L			12/17/23 11:48	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.72</b>		0.10		mg/L			12/19/23 17:54	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>67</b>		50		mg/L			12/31/23 17:13	10

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>51.32</b>				ft			12/11/23 10:08	1
<b>Depth to Water (ft from MP)</b>	<b>54.10</b>				ft			12/11/23 10:08	1
<b>Elevation of well (ft from MP)</b>	<b>580.87</b>				ft			12/11/23 10:08	1
<b>Field pH</b>	<b>7.36</b>				SU			12/11/23 10:08	1
<b>Field Temperature</b>	<b>44.1</b>				Degrees F			12/11/23 10:08	1
<b>Ground Water Elevation</b>	<b>526.77</b>				ft			12/11/23 10:08	1
<b>Specific Conductance</b>	<b>698</b>				umhos/cm			12/11/23 10:08	1
<b>Well bottom elevation</b>	<b>442.28</b>				ft			12/11/23 10:08	1
<b>Field Turbidity</b>	<b>1.40</b>				NTU			12/11/23 10:08	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G31S**

**Lab Sample ID: 500-243693-2**

Date Collected: 12/11/23 14:22

Matrix: Water

Date Received: 12/11/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 18:40	1
<b>Arsenic</b>	<b>0.0030</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 18:40	1
<b>Barium</b>	<b>0.046</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 16:44	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 15:41	1
<b>Boron</b>	<b>3.4</b>		0.050		mg/L		12/21/23 19:31	01/02/24 15:41	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 18:40	1
<b>Calcium</b>	<b>140</b>		0.20		mg/L		12/21/23 19:31	12/29/23 16:44	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 18:40	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 18:40	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 16:44	1
<b>Lithium</b>	<b>0.084</b>		0.010		mg/L		12/21/23 19:31	01/02/24 15:41	1
<b>Molybdenum</b>	<b>0.58</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 18:40	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 18:40	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 16:44	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 07:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1200</b>		10		mg/L			12/12/23 20:21	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>180</b>		20		mg/L			12/17/23 12:26	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.23</b>		0.10		mg/L			12/19/23 18:01	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>400</b>		100		mg/L			01/02/24 12:46	20

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	28.38				ft			12/11/23 14:22	1
Depth to Water (ft from MP)	30.96				ft			12/11/23 14:22	1
Elevation of well (ft from MP)	535.73				ft			12/11/23 14:22	1
Field pH	7.46				SU			12/11/23 14:22	1
Field Temperature	55.2				Degrees F			12/11/23 14:22	1
Ground Water Elevation	504.77				ft			12/11/23 14:22	1
Specific Conductance	1650				umhos/cm			12/11/23 14:22	1
Well bottom elevation	453.36				ft			12/11/23 14:22	1
Field Turbidity	1.65				NTU			12/11/23 14:22	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T02S**

**Lab Sample ID: 500-243693-3**

Date Collected: 12/12/23 09:34

Matrix: Water

Date Received: 12/12/23 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 18:44	1
<b>Arsenic</b>	<b>0.0050</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 18:44	1
<b>Barium</b>	<b>0.088</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 16:48	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:00	1
<b>Boron</b>	<b>4.8</b>		0.50		mg/L		12/21/23 19:31	01/08/24 15:20	10
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 18:44	1
<b>Calcium</b>	<b>72</b>		0.20		mg/L		12/21/23 19:31	12/29/23 16:48	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 18:44	1
<b>Cobalt</b>	<b>0.0014</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 18:44	1
<b>Lead</b>	<b>0.0020</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 16:48	1
<b>Lithium</b>	<b>0.035</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:00	1
<b>Molybdenum</b>	<b>0.36</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 18:44	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 18:44	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 16:48	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 07:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1100</b>		10		mg/L			12/12/23 20:23	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		20		mg/L			12/17/23 15:27	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.32</b>		0.10		mg/L			12/19/23 18:06	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>330</b>	<b>F1</b>	100		mg/L			01/02/24 16:40	20

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	135.67				ft			12/12/23 09:34	1
Depth to Water (ft from MP)	138.00				ft			12/12/23 09:34	1
Elevation of well (ft from MP)	626.12				ft			12/12/23 09:34	1
Field pH	7.60				SU			12/12/23 09:34	1
Field Temperature	45.5				Degrees F			12/12/23 09:34	1
Ground Water Elevation	488.12				ft			12/12/23 09:34	1
Specific Conductance	1398				umhos/cm			12/12/23 09:34	1
Well bottom elevation	453.40				ft			12/12/23 09:34	1
Field Turbidity	38.90				NTU			12/12/23 09:34	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T03S**

**Lab Sample ID: 500-243693-4**

Date Collected: 12/12/23 11:04

Matrix: GW

Date Received: 12/12/23 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 18:48	1
Arsenic	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 18:48	1
<b>Barium</b>	<b>0.075</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 16:51	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:04	1
<b>Boron</b>	<b>1.7</b>		0.050		mg/L		12/21/23 19:31	01/08/24 15:24	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 18:48	1
<b>Calcium</b>	<b>120</b>		0.20		mg/L		12/21/23 19:31	12/29/23 16:51	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 18:48	1
<b>Cobalt</b>	<b>0.0011</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 18:48	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 16:51	1
<b>Lithium</b>	<b>0.024</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:04	1
<b>Molybdenum</b>	<b>0.14</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 18:48	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 18:48	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 16:51	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 07:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>940</b>		10		mg/L			12/12/23 20:26	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		20		mg/L			12/17/23 15:27	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.18</b>		0.10		mg/L			12/19/23 18:10	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>220</b>		100		mg/L			01/02/24 16:40	20

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>138.95</b>				ft			12/12/23 11:04	1
<b>Depth to Water (ft from MP)</b>	<b>142.03</b>				ft			12/12/23 11:04	1
<b>Elevation of well (ft from MP)</b>	<b>629.85</b>				ft			12/12/23 11:04	1
<b>Field pH</b>	<b>7.42</b>				SU			12/12/23 11:04	1
<b>Field Temperature</b>	<b>51.4</b>				Degrees F			12/12/23 11:04	1
<b>Ground Water Elevation</b>	<b>487..82</b>				ft			12/12/23 11:04	1
<b>Specific Conductance</b>	<b>1318</b>				umhos/cm			12/12/23 11:04	1
<b>Well bottom elevation</b>	<b>456.70</b>				ft			12/12/23 11:04	1
<b>Field Turbidity</b>	<b>1.23</b>				NTU			12/12/23 11:04	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T09S**

**Lab Sample ID: 500-243693-5**

Date Collected: 12/12/23 12:45

Matrix: Water

Date Received: 12/12/23 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 18:59	1
<b>Arsenic</b>	<b>0.0035</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 18:59	1
<b>Barium</b>	<b>0.054</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 16:55	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:07	1
<b>Boron</b>	<b>6.9</b>		0.50		mg/L		12/21/23 19:31	01/08/24 15:32	10
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 18:59	1
<b>Calcium</b>	<b>110</b>		0.20		mg/L		12/21/23 19:31	12/29/23 16:55	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 18:59	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 18:59	1
<b>Lead</b>	<b>0.00059</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 16:55	1
<b>Lithium</b>	<b>0.074</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:07	1
<b>Molybdenum</b>	<b>0.69</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 18:59	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 18:59	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 16:55	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 07:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>920</b>		10		mg/L			12/12/23 20:29	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>57</b>		4.0		mg/L			12/17/23 15:27	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.29</b>		0.10		mg/L			12/19/23 18:25	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>420</b>		250		mg/L			01/02/24 13:23	50

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>107.55</b>				ft			12/12/23 12:45	1
<b>Depth to Water (ft from MP)</b>	<b>109.95</b>				ft			12/12/23 12:45	1
<b>Elevation of well (ft from MP)</b>	<b>603..48</b>				ft			12/12/23 12:45	1
<b>Field pH</b>	<b>7.57</b>				SU			12/12/23 12:45	1
<b>Field Temperature</b>	<b>46.0</b>				Degrees F			12/12/23 12:45	1
<b>Ground Water Elevation</b>	<b>493.53</b>				ft			12/12/23 12:45	1
<b>Specific Conductance</b>	<b>1280</b>				umhos/cm			12/12/23 12:45	1
<b>Well bottom elevation</b>	<b>444.80</b>				ft			12/12/23 12:45	1
<b>Field Turbidity</b>	<b>52.10</b>				NTU			12/12/23 12:45	1



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T01S**

**Lab Sample ID: 500-243693-6**

Date Collected: 12/13/23 09:45

Matrix: Water

Date Received: 12/13/23 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:03	1
<b>Arsenic</b>	<b>0.011</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:03	1
<b>Barium</b>	<b>0.054</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 16:58	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:11	1
<b>Boron</b>	<b>4.8</b>		0.50		mg/L		12/21/23 19:31	01/08/24 15:35	10
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:03	1
<b>Calcium</b>	<b>51</b>		0.20		mg/L		12/21/23 19:31	12/29/23 16:58	1
<b>Chromium</b>	<b>0.0057</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:03	1
<b>Cobalt</b>	<b>0.0038</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:03	1
<b>Lead</b>	<b>0.0031</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 16:58	1
<b>Lithium</b>	<b>0.014</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:11	1
<b>Molybdenum</b>	<b>0.28</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:03	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:03	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 16:58	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 07:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>940</b>		10		mg/L			12/18/23 00:35	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>100</b>		20		mg/L			12/17/23 15:28	10
<b>Fluoride (SM 4500 F C)</b>	<b>1.0</b>		0.10		mg/L			12/19/23 18:30	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>400</b>		250		mg/L			01/02/24 13:22	50

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	123.05				ft			12/13/23 09:45	1
Depth to Water (ft from MP)	125.53				ft			12/13/23 09:45	1
Elevation of well (ft from MP)	621.84				ft			12/13/23 09:45	1
Field pH	7.45				SU			12/13/23 09:45	1
Field Temperature	44.8				Degrees F			12/13/23 09:45	1
Ground Water Elevation	496.31				ft			12/13/23 09:45	1
Specific Conductance	1418				umhos/cm			12/13/23 09:45	1
Well bottom elevation	451.46				ft			12/13/23 09:45	1
Field Turbidity	103.10				NTU			12/13/23 09:45	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T08S**

**Lab Sample ID: 500-243693-7**

Date Collected: 12/14/23 09:35

Matrix: Water

Date Received: 12/14/23 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.0041</b>		0.0030		mg/L		12/21/23 19:31	12/22/23 19:06	1
<b>Arsenic</b>	<b>0.017</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:06	1
<b>Barium</b>	<b>0.022</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 17:02	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:15	1
<b>Boron</b>	<b>9.5</b>		0.50		mg/L		12/21/23 19:31	01/08/24 15:39	10
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:06	1
<b>Calcium</b>	<b>18</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:02	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:06	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:06	1
<b>Lead</b>	<b>0.00065</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 17:02	1
<b>Lithium</b>	<b>0.042</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:15	1
<b>Molybdenum</b>	<b>0.71</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:06	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:06	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:02	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 07:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1000</b>		10		mg/L			12/18/23 00:43	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>96</b>		20		mg/L			12/17/23 15:26	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.58</b>		0.10		mg/L			12/19/23 18:34	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>490</b>		250		mg/L			01/02/24 13:22	50

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>130.80</b>				ft			12/14/23 09:35	1
<b>Depth to Water (ft from MP)</b>	<b>133.18</b>				ft			12/14/23 09:35	1
<b>Elevation of well (ft from MP)</b>	<b>627.55</b>				ft			12/14/23 09:35	1
<b>Field pH</b>	<b>7.99</b>				SU			12/14/23 09:35	1
<b>Field Temperature</b>	<b>52.0</b>				Degrees F			12/14/23 09:35	1
<b>Ground Water Elevation</b>	<b>494.37</b>				ft			12/14/23 09:35	1
<b>Specific Conductance</b>	<b>1472</b>				umhos/cm			12/14/23 09:35	1
<b>Well bottom elevation</b>	<b>447.38</b>				ft			12/14/23 09:35	1
<b>Field Turbidity</b>	<b>4.94</b>				NTU			12/14/23 09:35	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T06S**

**Lab Sample ID: 500-243693-8**

Date Collected: 12/14/23 11:35

Matrix: Water

Date Received: 12/14/23 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:10	1
<b>Arsenic</b>	<b>0.0012</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:10	1
<b>Barium</b>	<b>0.035</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 17:05	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:46	1
<b>Boron</b>	<b>0.98</b>		0.050		mg/L		12/21/23 19:31	01/08/24 15:43	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:10	1
<b>Calcium</b>	<b>79</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:05	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:10	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:10	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 17:05	1
<b>Lithium</b>	<b>0.021</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:46	1
<b>Molybdenum</b>	<b>0.025</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:10	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:10	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:05	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>510</b>		10		mg/L			12/18/23 00:48	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>15</b>		2.0		mg/L			12/17/23 15:03	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.39</b>		0.10		mg/L			12/19/23 18:38	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>100</b>		25		mg/L			01/02/24 12:19	5

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	117.53				ft			12/14/23 11:35	1
Depth to Water (ft from MP)	119.83				ft			12/14/23 11:35	1
Elevation of well (ft from MP)	621.05				ft			12/14/23 11:35	1
Field pH	7.30				SU			12/14/23 11:35	1
Field Temperature	58.1				Degrees F			12/14/23 11:35	1
Ground Water Elevation	501.22				ft			12/14/23 11:35	1
Specific Conductance	800				umhos/cm			12/14/23 11:35	1
Well bottom elevation	447.94				ft			12/14/23 11:35	1
Field Turbidity	2.15				NTU			12/14/23 11:35	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Client Sample ID: T05S

## Lab Sample ID: 500-243693-9

Date Collected: 12/14/23 13:25

Matrix: Water

Date Received: 12/14/23 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:14	1
<b>Arsenic</b>	<b>0.13</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:14	1
<b>Barium</b>	<b>0.0076</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 17:15	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:50	1
<b>Boron</b>	<b>14</b>		1.0		mg/L		12/21/23 19:31	01/08/24 15:47	20
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:14	1
<b>Calcium</b>	<b>2.5</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:15	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:14	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:14	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 17:15	1
<b>Lithium</b>	<b>0.021</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:50	1
<b>Molybdenum</b>	<b>0.98</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:14	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:14	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:15	1

### Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:08	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1500</b>		10		mg/L			12/18/23 00:51	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>130</b>		20		mg/L			12/17/23 15:28	10
<b>Fluoride (SM 4500 F C)</b>	<b>1.7</b>		0.10		mg/L			12/19/23 18:53	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>610</b>		250		mg/L			01/02/24 13:22	50

### Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	124.47				ft			12/14/23 13:25	1
Depth to Water (ft from MP)	126.87				ft			12/14/23 13:25	1
Elevation of well (ft from MP)	623.50				ft			12/14/23 13:25	1
Field pH	9.26				SU			12/14/23 13:25	1
Field Temperature	58.6				Degrees F			12/14/23 13:25	1
Ground Water Elevation	496.63				ft			12/14/23 13:25	1
Specific Conductance	2330				umhos/cm			12/14/23 13:25	1
Well bottom elevation	448.35				ft			12/14/23 13:25	1
Field Turbidity	4.53				NTU			12/14/23 13:25	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G33S**

**Lab Sample ID: 500-243693-10**

Date Collected: 12/15/23 09:30

Matrix: Water

Date Received: 12/15/23 12:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:18	1
<b>Arsenic</b>	<b>0.0011</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:18	1
<b>Barium</b>	<b>0.097</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 17:19	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:54	1
<b>Boron</b>	<b>0.93</b>		0.050		mg/L		12/21/23 19:31	01/08/24 16:11	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:18	1
<b>Calcium</b>	<b>57</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:19	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:18	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:18	1
<b>Lead</b>	<b>0.0036</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 17:19	1
<b>Lithium</b>	<b>0.032</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:54	1
Molybdenum	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:18	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:18	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:19	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>430</b>		10		mg/L			12/18/23 00:53	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>13</b>		2.0		mg/L			12/17/23 15:02	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.48</b>		0.10		mg/L			12/19/23 19:00	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>73</b>		25		mg/L			01/02/24 12:19	5

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>38.92</b>				ft			12/15/23 09:30	1
<b>Depth to Water (ft from MP)</b>	<b>40.65</b>				ft			12/15/23 09:30	1
<b>Elevation of well (ft from MP)</b>	<b>535.67</b>				ft			12/15/23 09:30	1
<b>Field pH</b>	<b>7.16</b>				SU			12/15/23 09:30	1
<b>Field Temperature</b>	<b>69.6</b>				Degrees F			12/15/23 09:30	1
<b>Ground Water Elevation</b>	<b>495.02</b>				ft			12/15/23 09:30	1
<b>Specific Conductance</b>	<b>721</b>				umhos/cm			12/15/23 09:30	1
<b>Well bottom elevation</b>	<b>452.72</b>				ft			12/15/23 09:30	1
<b>Field Turbidity</b>	<b>54.40</b>				NTU			12/15/23 09:30	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G39S**

**Lab Sample ID: 500-243693-11**

Date Collected: 12/18/23 09:27

Matrix: Water

Date Received: 12/18/23 15:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:22	1
<b>Arsenic</b>	<b>0.0019</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:22	1
<b>Barium</b>	<b>0.047</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 17:22	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 16:58	1
<b>Boron</b>	<b>0.36</b>		0.050		mg/L		12/21/23 19:31	01/08/24 16:22	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:22	1
<b>Calcium</b>	<b>100</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:22	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:22	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:22	1
<b>Lead</b>	<b>0.00079</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 17:22	1
<b>Lithium</b>	<b>0.012</b>		0.010		mg/L		12/21/23 19:31	01/02/24 16:58	1
<b>Molybdenum</b>	<b>0.0091</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:22	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:22	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:22	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>580</b>		10		mg/L			12/18/23 18:57	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>45</b>		2.0		mg/L			12/21/23 18:36	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.17</b>		0.10		mg/L			12/19/23 19:04	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>12</b>		5.0		mg/L			01/02/24 12:47	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>94.63</b>				ft			12/18/23 09:27	1
<b>Depth to Water (ft from MP)</b>	<b>96.71</b>				ft			12/18/23 09:27	1
<b>Elevation of well (ft from MP)</b>	<b>598.75</b>				ft			12/18/23 09:27	1
<b>Field pH</b>	<b>7.11</b>				SU			12/18/23 09:27	1
<b>Field Temperature</b>	<b>50.4</b>				Degrees F			12/18/23 09:27	1
<b>Ground Water Elevation</b>	<b>502.04</b>				ft			12/18/23 09:27	1
<b>Specific Conductance</b>	<b>932</b>				umhos/cm			12/18/23 09:27	1
<b>Well bottom elevation</b>	<b>454.15</b>				ft			12/18/23 09:27	1
<b>Field Turbidity</b>	<b>11.60</b>				NTU			12/18/23 09:27	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T11S**

**Lab Sample ID: 500-243693-12**

Date Collected: 12/18/23 10:20

Matrix: GW

Date Received: 12/18/23 15:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:26	1
<b>Arsenic</b>	<b>0.0016</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:26	1
<b>Barium</b>	<b>0.049</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 17:26	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 17:02	1
<b>Boron</b>	<b>0.23</b>		0.050		mg/L		12/21/23 19:31	01/08/24 16:26	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:26	1
<b>Calcium</b>	<b>110</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:26	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:26	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:26	1
<b>Lead</b>	<b>0.00060</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 17:26	1
<b>Lithium</b>	<b>0.022</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:02	1
Molybdenum	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:26	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:26	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:26	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>620</b>		10		mg/L			12/18/23 19:06	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>36</b>		2.0		mg/L			12/21/23 18:36	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.22</b>		0.10		mg/L			12/19/23 19:09	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>220</b>		100		mg/L			01/02/24 13:23	20

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>72.09</b>				ft			12/18/23 10:20	1
<b>Depth to Water (ft from MP)</b>	<b>74.83</b>				ft			12/18/23 10:20	1
<b>Elevation of well (ft from MP)</b>	<b>559.48</b>				ft			12/18/23 10:20	1
<b>Field pH</b>	<b>7.44</b>				SU			12/18/23 10:20	1
<b>Field Temperature</b>	<b>45.3</b>				Degrees F			12/18/23 10:20	1
<b>Ground Water Elevation</b>	<b>484.65</b>				ft			12/18/23 10:20	1
<b>Specific Conductance</b>	<b>956</b>				umhos/cm			12/18/23 10:20	1
<b>Well bottom elevation</b>	<b>445.60</b>				ft			12/18/23 10:20	1
<b>Field Turbidity</b>	<b>76.40</b>				NTU			12/18/23 10:20	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G47S**

**Lab Sample ID: 500-243693-13**

Date Collected: 12/18/23 11:31

Matrix: GW

Date Received: 12/18/23 15:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:29	1
<b>Arsenic</b>	<b>0.038</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:29	1
<b>Barium</b>	<b>0.013</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 17:29	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 17:05	1
<b>Boron</b>	<b>7.1</b>		0.50		mg/L		12/21/23 19:31	01/08/24 16:30	10
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:29	1
<b>Calcium</b>	<b>11</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:29	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:29	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:29	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 17:29	1
<b>Lithium</b>	<b>0.054</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:05	1
<b>Molybdenum</b>	<b>0.55</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:29	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:29	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:29	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>980</b>		10		mg/L			12/18/23 19:12	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>110</b>		20		mg/L			12/21/23 19:00	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.59</b>		0.10		mg/L			12/19/23 19:24	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>470</b>		250		mg/L			01/02/24 13:21	50

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>93.32</b>				ft			12/18/23 11:31	1
<b>Depth to Water (ft from MP)</b>	<b>95.82</b>				ft			12/18/23 11:31	1
<b>Elevation of well (ft from MP)</b>	<b>612.23</b>				ft			12/18/23 11:31	1
<b>Field pH</b>	<b>8.52</b>				SU			12/18/23 11:31	1
<b>Field Temperature</b>	<b>47.3</b>				Degrees F			12/18/23 11:31	1
<b>Ground Water Elevation</b>	<b>516.41</b>				ft			12/18/23 11:31	1
<b>Specific Conductance</b>	<b>1580</b>				umhos/cm			12/18/23 11:31	1
<b>Well bottom elevation</b>	<b>459.84</b>				ft			12/18/23 11:31	1
<b>Field Turbidity</b>	<b>1.15</b>				NTU			12/18/23 11:31	1



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G48S**

**Lab Sample ID: 500-243693-14**

Date Collected: 12/18/23 12:45

Matrix: GW

Date Received: 12/18/23 15:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:33	1
<b>Arsenic</b>	<b>0.012</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:33	1
<b>Barium</b>	<b>0.019</b>		0.0025		mg/L		12/21/23 19:31	12/29/23 17:33	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 17:09	1
<b>Boron</b>	<b>5.8</b>		0.50		mg/L		12/21/23 19:31	01/08/24 16:34	10
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:33	1
<b>Calcium</b>	<b>27</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:33	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:33	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:33	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 17:33	1
<b>Lithium</b>	<b>0.024</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:09	1
<b>Molybdenum</b>	<b>0.35</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:33	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:33	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:33	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>910</b>		10		mg/L			12/18/23 19:15	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>110</b>		20		mg/L			12/21/23 19:00	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.88</b>		0.10		mg/L			12/19/23 19:28	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>390</b>		100		mg/L			01/02/24 12:45	20

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>102.26</b>				ft			12/18/23 12:45	1
<b>Depth to Water (ft from MP)</b>	<b>104.71</b>				ft			12/18/23 12:45	1
<b>Elevation of well (ft from MP)</b>	<b>620.77</b>				ft			12/18/23 12:45	1
<b>Field pH</b>	<b>8.11</b>				SU			12/18/23 12:45	1
<b>Field Temperature</b>	<b>48.4</b>				Degrees F			12/18/23 12:45	1
<b>Ground Water Elevation</b>	<b>516.06</b>				ft			12/18/23 12:45	1
<b>Specific Conductance</b>	<b>1434</b>				umhos/cm			12/18/23 12:45	1
<b>Well bottom elevation</b>	<b>468.32</b>				ft			12/18/23 12:45	1
<b>Field Turbidity</b>	<b>2.61</b>				NTU			12/18/23 12:45	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T12S**

**Lab Sample ID: 500-243693-15**

Date Collected: 12/18/23 14:04

Matrix: Water

Date Received: 12/18/23 15:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:44	1
<b>Arsenic</b>	<b>0.034</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:44	1
<b>Barium</b>	<b>0.098</b>		0.0025		mg/L		12/21/23 19:31	12/22/23 19:44	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:44	1
<b>Boron</b>	<b>7.7</b>		0.50		mg/L		12/21/23 19:31	01/08/24 17:00	10
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:44	1
<b>Calcium</b>	<b>120</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:36	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:44	1
<b>Cobalt</b>	<b>0.0023</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:44	1
<b>Lead</b>	<b>0.0025</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 17:36	1
<b>Lithium</b>	<b>0.15</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:38	1
<b>Molybdenum</b>	<b>0.53</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:44	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:44	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:36	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>740</b>		10		mg/L			12/18/23 19:18	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>75</b>		4.0		mg/L			12/21/23 19:00	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.14</b>		0.10		mg/L			12/19/23 19:41	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>330</b>		100		mg/L			01/02/24 12:45	20

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	72.01				ft			12/18/23 14:04	1
Depth to Water (ft from MP)	74.75				ft			12/18/23 14:04	1
Elevation of well (ft from MP)	578.74				ft			12/18/23 14:04	1
Field pH	7.69				SU			12/18/23 14:04	1
Field Temperature	52.3				Degrees F			12/18/23 14:04	1
Ground Water Elevation	503.99				ft			12/18/23 14:04	1
Specific Conductance	1132				umhos/cm			12/18/23 14:04	1
Well bottom elevation	452.24				ft			12/18/23 14:04	1
Field Turbidity	87.30				NTU			12/18/23 14:04	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G30S**

**Lab Sample ID: 500-243693-16**

Date Collected: 12/19/23 09:08

Matrix: GW

Date Received: 12/19/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:48	1
<b>Arsenic</b>	<b>0.0069</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:48	1
<b>Barium</b>	<b>0.047</b>		0.0025		mg/L		12/21/23 19:31	12/22/23 19:48	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:48	1
<b>Boron</b>	<b>5.1</b>		0.50		mg/L		12/21/23 19:31	01/08/24 17:04	10
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:48	1
<b>Calcium</b>	<b>64</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:39	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:48	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:48	1
<b>Lead</b>	<b>0.00072</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 17:39	1
<b>Lithium</b>	<b>0.021</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:42	1
<b>Molybdenum</b>	<b>0.015</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:48	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:48	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:39	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1200</b>		10		mg/L			12/19/23 20:54	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>210</b>		20		mg/L			12/21/23 19:00	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.88</b>		0.10		mg/L			01/03/24 10:56	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>480</b>		250		mg/L			01/02/24 13:21	50

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	-0.21				ft			12/19/23 09:08	1
Depth to Water (ft from MP)	2.10				ft			12/19/23 09:08	1
Elevation of well (ft from MP)	524.86				ft			12/19/23 09:08	1
Field pH	7.88				SU			12/19/23 09:08	1
Field Temperature	38.5				Degrees F			12/19/23 09:08	1
Ground Water Elevation	522.76				ft			12/19/23 09:08	1
Specific Conductance	1890				umhos/cm			12/19/23 09:08	1
Well bottom elevation	462.58				ft			12/19/23 09:08	1
Field Turbidity	3.05				NTU			12/19/23 09:08	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: R32S**

**Lab Sample ID: 500-243693-17**

Date Collected: 12/19/23 11:01

Matrix: GW

Date Received: 12/19/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:52	1
Arsenic	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:52	1
<b>Barium</b>	<b>0.027</b>		0.0025		mg/L		12/21/23 19:31	12/22/23 19:52	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:52	1
<b>Boron</b>	<b>0.48</b>		0.050		mg/L		12/21/23 19:31	01/08/24 16:45	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:52	1
<b>Calcium</b>	<b>88</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:43	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:52	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:52	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 17:43	1
<b>Lithium</b>	<b>0.025</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:45	1
<b>Molybdenum</b>	<b>0.031</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:52	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:52	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:43	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>780</b>		10		mg/L			12/19/23 21:03	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>43</b>		2.0		mg/L			12/21/23 18:36	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.28</b>		0.10		mg/L			01/03/24 10:33	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>350</b>		100		mg/L			01/02/24 12:45	20

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>20.71</b>				ft			12/19/23 11:01	1
<b>Depth to Water (ft from MP)</b>	<b>22.74</b>				ft			12/19/23 11:01	1
<b>Elevation of well (ft from MP)</b>	<b>536.97</b>				ft			12/19/23 11:01	1
<b>Field pH</b>	<b>7.43</b>				SU			12/19/23 11:01	1
<b>Field Temperature</b>	<b>51.4</b>				Degrees F			12/19/23 11:01	1
<b>Ground Water Elevation</b>	<b>514.23</b>				ft			12/19/23 11:01	1
<b>Specific Conductance</b>	<b>783</b>				umhos/cm			12/19/23 11:01	1
<b>Well bottom elevation</b>	<b>457.84</b>				ft			12/19/23 11:01	1
<b>Field Turbidity</b>	<b>2.10</b>				NTU			12/19/23 11:01	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T13S**

**Lab Sample ID: 500-243693-18**

Date Collected: 12/19/23 12:08

Matrix: Water

Date Received: 12/19/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 19:56	1
<b>Arsenic</b>	<b>0.0048</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:56	1
<b>Barium</b>	<b>0.067</b>		0.0025		mg/L		12/21/23 19:31	12/22/23 19:56	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 19:56	1
<b>Boron</b>	<b>0.37</b>		0.050		mg/L		12/21/23 19:31	01/08/24 16:49	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 19:56	1
<b>Calcium</b>	<b>96</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:46	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 19:56	1
<b>Cobalt</b>	<b>0.0017</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 19:56	1
<b>Lead</b>	<b>0.0017</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 17:46	1
<b>Lithium</b>	<b>0.027</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:49	1
<b>Molybdenum</b>	<b>0.0065</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 19:56	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 19:56	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:46	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 08:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>570</b>		10		mg/L			12/19/23 21:08	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>38</b>		2.0		mg/L			12/21/23 18:37	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.22</b>		0.10		mg/L			01/03/24 11:00	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>160</b>		50		mg/L			01/02/24 12:44	10

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>17.55</b>				ft			12/19/23 12:08	1
<b>Depth to Water (ft from MP)</b>	<b>20.31</b>				ft			12/19/23 12:08	1
<b>Elevation of well (ft from MP)</b>	<b>525.33</b>				ft			12/19/23 12:08	1
<b>Field pH</b>	<b>7.37</b>				SU			12/19/23 12:08	1
<b>Field Temperature</b>	<b>51.3</b>				Degrees F			12/19/23 12:08	1
<b>Ground Water Elevation</b>	<b>505.02</b>				ft			12/19/23 12:08	1
<b>Specific Conductance</b>	<b>950</b>				umhos/cm			12/19/23 12:08	1
<b>Well bottom elevation</b>	<b>452.21</b>				ft			12/19/23 12:08	1
<b>Field Turbidity</b>	<b>90.70</b>				NTU			12/19/23 12:08	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T13S Dup**

**Lab Sample ID: 500-243693-19**

Date Collected: 12/19/23 12:08

Matrix: Water

Date Received: 12/19/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 20:00	1
<b>Arsenic</b>	<b>0.0044</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 20:00	1
<b>Barium</b>	<b>0.065</b>		0.0025		mg/L		12/21/23 19:31	12/22/23 20:00	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 20:00	1
<b>Boron</b>	<b>0.38</b>		0.050		mg/L		12/21/23 19:31	01/08/24 16:53	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 20:00	1
<b>Calcium</b>	<b>98</b>		0.20		mg/L		12/21/23 19:31	12/29/23 17:57	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 20:00	1
<b>Cobalt</b>	<b>0.0016</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 20:00	1
<b>Lead</b>	<b>0.0016</b>		0.00050		mg/L		12/21/23 19:31	12/29/23 17:57	1
<b>Lithium</b>	<b>0.026</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:53	1
<b>Molybdenum</b>	<b>0.0066</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 20:00	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 20:00	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 17:57	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/28/23 14:20	12/29/23 07:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>580</b>		10		mg/L			12/19/23 21:11	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>39</b>		2.0		mg/L			12/21/23 18:37	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.28</b>		0.10		mg/L			01/03/24 11:04	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>170</b>		50		mg/L			01/02/24 12:44	10

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	17.55				ft			12/19/23 12:08	1
Depth to Water (ft from MP)	20.31				ft			12/19/23 12:08	1
Elevation of well (ft from MP)	525.33				ft			12/19/23 12:08	1
Field pH	7.37				SU			12/19/23 12:08	1
Field Temperature	51.3				Degrees F			12/19/23 12:08	1
Ground Water Elevation	505.02				ft			12/19/23 12:08	1
Specific Conductance	950				umhos/cm			12/19/23 12:08	1
Well bottom elevation	452.21				ft			12/19/23 12:08	1
Field Turbidity	90.70				NTU			12/19/23 12:08	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G44S**

**Lab Sample ID: 500-243693-20**

Date Collected: 12/19/23 13:39

Matrix: Water

Date Received: 12/19/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 20:03	1
<b>Arsenic</b>	<b>0.0011</b>		0.0010		mg/L		12/21/23 19:31	12/22/23 20:03	1
<b>Barium</b>	<b>0.067</b>		0.0025		mg/L		12/21/23 19:31	12/22/23 20:03	1
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 20:03	1
<b>Boron</b>	<b>1.6</b>		0.050		mg/L		12/21/23 19:31	01/08/24 16:56	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 20:03	1
<b>Calcium</b>	<b>130</b>		0.20		mg/L		12/21/23 19:31	12/29/23 18:00	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 20:03	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 20:03	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 18:00	1
<b>Lithium</b>	<b>0.023</b>		0.010		mg/L		12/21/23 19:31	01/02/24 17:57	1
<b>Molybdenum</b>	<b>0.17</b>		0.0050		mg/L		12/21/23 19:31	12/22/23 20:03	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 20:03	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 18:00	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/28/23 14:20	12/29/23 07:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>750</b>		10		mg/L			12/19/23 21:14	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>63</b>		4.0		mg/L			12/21/23 19:01	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.20</b>		0.10		mg/L			01/03/24 11:22	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>170</b>		50		mg/L			01/02/24 12:44	10

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>81.27</b>				ft			12/19/23 13:39	1
<b>Depth to Water (ft from MP)</b>	<b>83.45</b>				ft			12/19/23 13:39	1
<b>Elevation of well (ft from MP)</b>	<b>586.68</b>				ft			12/19/23 13:39	1
<b>Field pH</b>	<b>7.24</b>				SU			12/19/23 13:39	1
<b>Field Temperature</b>	<b>51.4</b>				Degrees F			12/19/23 13:39	1
<b>Ground Water Elevation</b>	<b>503.23</b>				ft			12/19/23 13:39	1
<b>Specific Conductance</b>	<b>1145</b>				umhos/cm			12/19/23 13:39	1
<b>Well bottom elevation</b>	<b>455.11</b>				ft			12/19/23 13:39	1
<b>Field Turbidity</b>	<b>12.60</b>				NTU			12/19/23 13:39	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G46S**

**Lab Sample ID: 500-243693-21**

Date Collected: 12/20/23 09:42

Matrix: Water

Date Received: 12/20/23 12:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		12/22/23 09:26	01/03/24 20:05	1
<b>Arsenic</b>	<b>0.051</b>		0.0010		mg/L		12/22/23 09:26	01/03/24 20:05	1
<b>Barium</b>	<b>0.057</b>		0.0025		mg/L		12/22/23 09:26	01/03/24 20:05	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/22/23 09:26	01/05/24 17:22	1
<b>Boron</b>	<b>10</b>		0.50		mg/L		12/22/23 09:26	01/08/24 17:38	10
Cadmium	<0.00050		0.00050		mg/L		12/22/23 09:26	01/03/24 20:05	1
<b>Calcium</b>	<b>120</b>		0.20		mg/L		12/22/23 09:26	01/05/24 17:22	1
Chromium	<0.0050		0.0050		mg/L		12/22/23 09:26	01/03/24 20:05	1
Cobalt	<0.0010		0.0010		mg/L		12/22/23 09:26	01/03/24 20:05	1
Lead	<0.00050		0.00050		mg/L		12/22/23 09:26	01/03/24 20:05	1
<b>Lithium</b>	<b>0.18</b>		0.010		mg/L		12/22/23 09:26	01/08/24 17:23	1
<b>Molybdenum</b>	<b>1.1</b>		0.0050		mg/L		12/22/23 09:26	01/03/24 20:05	1
Selenium	<0.0025		0.0025		mg/L		12/22/23 09:26	01/05/24 17:22	1
Thallium	<0.0020		0.0020		mg/L		12/22/23 09:26	01/05/24 17:22	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/28/23 14:20	12/29/23 07:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>980</b>		10		mg/L			12/20/23 21:00	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>69</b>		4.0		mg/L			12/28/23 11:07	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.23</b>		0.10		mg/L			01/03/24 11:26	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>490</b>		250		mg/L			01/02/24 13:21	50

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	106.78				ft			12/20/23 09:42	1
Depth to Water (ft from MP)	109.48				ft			12/20/23 09:42	1
Elevation of well (ft from MP)	601.41				ft			12/20/23 09:42	1
Field pH	7.48				SU			12/20/23 09:42	1
Field Temperature	54.0				Degrees F			12/20/23 09:42	1
Ground Water Elevation	491.93				ft			12/20/23 09:42	1
Specific Conductance	1345				umhos/cm			12/20/23 09:42	1
Well bottom elevation	453.62				ft			12/20/23 09:42	1
Field Turbidity	58.70				NTU			12/20/23 09:42	1



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: R08S**

**Lab Sample ID: 500-243693-22**

Date Collected: 12/20/23 10:37

Matrix: Water

Date Received: 12/20/23 12:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		12/22/23 09:26	01/03/24 20:09	1
<b>Arsenic</b>	<b>0.0013</b>		0.0010		mg/L		12/22/23 09:26	01/03/24 20:09	1
<b>Barium</b>	<b>0.043</b>		0.0025		mg/L		12/22/23 09:26	01/03/24 20:09	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/22/23 09:26	01/05/24 17:26	1
<b>Boron</b>	<b>8.5</b>		0.50		mg/L		12/22/23 09:26	01/08/24 17:42	10
Cadmium	<0.00050		0.00050		mg/L		12/22/23 09:26	01/03/24 20:09	1
<b>Calcium</b>	<b>130</b>		0.20		mg/L		12/22/23 09:26	01/05/24 17:26	1
Chromium	<0.0050		0.0050		mg/L		12/22/23 09:26	01/03/24 20:09	1
Cobalt	<0.0010		0.0010		mg/L		12/22/23 09:26	01/03/24 20:09	1
Lead	<0.00050		0.00050		mg/L		12/22/23 09:26	01/03/24 20:09	1
<b>Lithium</b>	<b>0.14</b>		0.010		mg/L		12/22/23 09:26	01/08/24 17:27	1
<b>Molybdenum</b>	<b>0.34</b>		0.0050		mg/L		12/22/23 09:26	01/03/24 20:09	1
<b>Selenium</b>	<b>0.0066</b>		0.0025		mg/L		12/22/23 09:26	01/05/24 17:26	1
Thallium	<0.0020		0.0020		mg/L		12/22/23 09:26	01/05/24 17:26	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/28/23 14:20	12/29/23 07:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>800</b>		10		mg/L			12/20/23 21:07	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>75</b>		4.0		mg/L			12/28/23 11:08	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.11</b>		0.10		mg/L			01/03/24 11:31	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>390</b>		100		mg/L			01/02/24 12:43	20

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	68.44				ft			12/20/23 10:37	1
Depth to Water (ft from MP)	70.99				ft			12/20/23 10:37	1
Elevation of well (ft from MP)	578.66				ft			12/20/23 10:37	1
Field pH	7.79				SU			12/20/23 10:37	1
Field Temperature	53.1				Degrees F			12/20/23 10:37	1
Ground Water Elevation	507.67				ft			12/20/23 10:37	1
Specific Conductance	1052				umhos/cm			12/20/23 10:37	1
Well bottom elevation	453.08				ft			12/20/23 10:37	1
Field Turbidity	3.33				NTU			12/20/23 10:37	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G45S**

**Lab Sample ID: 500-243693-23**

Date Collected: 12/20/23 11:29

Matrix: Water

Date Received: 12/20/23 12:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		12/22/23 09:26	01/03/24 20:13	1
<b>Arsenic</b>	<b>0.010</b>		0.0010		mg/L		12/22/23 09:26	01/03/24 20:13	1
<b>Barium</b>	<b>0.036</b>		0.0025		mg/L		12/22/23 09:26	01/03/24 20:13	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/22/23 09:26	01/05/24 17:29	1
<b>Boron</b>	<b>0.50</b>		0.050		mg/L		12/22/23 09:26	01/08/24 17:31	1
Cadmium	<0.00050		0.00050		mg/L		12/22/23 09:26	01/03/24 20:13	1
<b>Calcium</b>	<b>81</b>		0.20		mg/L		12/22/23 09:26	01/05/24 17:29	1
Chromium	<0.0050		0.0050		mg/L		12/22/23 09:26	01/03/24 20:13	1
Cobalt	<0.0010		0.0010		mg/L		12/22/23 09:26	01/03/24 20:13	1
Lead	<0.00050		0.00050		mg/L		12/22/23 09:26	01/03/24 20:13	1
<b>Lithium</b>	<b>0.028</b>		0.010		mg/L		12/22/23 09:26	01/08/24 17:31	1
<b>Molybdenum</b>	<b>0.012</b>		0.0050		mg/L		12/22/23 09:26	01/03/24 20:13	1
Selenium	<0.0025		0.0025		mg/L		12/22/23 09:26	01/05/24 17:29	1
Thallium	<0.0020		0.0020		mg/L		12/22/23 09:26	01/05/24 17:29	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/28/23 14:20	12/29/23 08:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>680</b>		10		mg/L			12/20/23 21:13	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>130</b>		20		mg/L			12/28/23 11:09	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.35</b>		0.10		mg/L			01/03/24 11:36	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>160</b>		50		mg/L			01/02/24 12:47	10

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	63.48				ft			12/20/23 11:29	1
Depth to Water (ft from MP)	66.45				ft			12/20/23 11:29	1
Elevation of well (ft from MP)	603.80				ft			12/20/23 11:29	1
Field pH	7.48				SU			12/20/23 11:29	1
Field Temperature	54.9				Degrees F			12/20/23 11:29	1
Ground Water Elevation	537.35				ft			12/20/23 11:29	1
Specific Conductance	1003				umhos/cm			12/20/23 11:29	1
Well bottom elevation	471.05				ft			12/20/23 11:29	1
Field Turbidity	1.74				NTU			12/20/23 11:29	1

# Definitions/Glossary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^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.

### General Chemistry

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

## Glossary

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

# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Metals

### Prep Batch: 747852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total Recoverable	Water	3005A	
500-243693-2	G31S	Total Recoverable	Water	3005A	
500-243693-3	T02S	Total Recoverable	Water	3005A	
500-243693-4	T03S	Total Recoverable	GW	3005A	
500-243693-5	T09S	Total Recoverable	Water	3005A	
500-243693-6	T01S	Total Recoverable	Water	3005A	
500-243693-7	T08S	Total Recoverable	Water	3005A	
500-243693-8	T06S	Total Recoverable	Water	3005A	
500-243693-9	T05S	Total Recoverable	Water	3005A	
500-243693-10	G33S	Total Recoverable	Water	3005A	
500-243693-11	G39S	Total Recoverable	Water	3005A	
500-243693-12	T11S	Total Recoverable	GW	3005A	
500-243693-13	G47S	Total Recoverable	GW	3005A	
500-243693-14	G48S	Total Recoverable	GW	3005A	
500-243693-15	T12S	Total Recoverable	Water	3005A	
500-243693-16	G30S	Total Recoverable	GW	3005A	
500-243693-17	R32S	Total Recoverable	GW	3005A	
500-243693-18	T13S	Total Recoverable	Water	3005A	
500-243693-19	T13S Dup	Total Recoverable	Water	3005A	
500-243693-20	G44S	Total Recoverable	Water	3005A	
MB 500-747852/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-747852/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-243693-1 MS	G20S	Total Recoverable	Water	3005A	
500-243693-1 MSD	G20S	Total Recoverable	Water	3005A	
500-243693-1 DU	G20S	Total Recoverable	Water	3005A	

### Prep Batch: 747992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-21	G46S	Total Recoverable	Water	3005A	
500-243693-22	R08S	Total Recoverable	Water	3005A	
500-243693-23	G45S	Total Recoverable	Water	3005A	
MB 500-747992/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-747992/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Prep Batch: 748249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	7470A	
500-243693-2	G31S	Total/NA	Water	7470A	
500-243693-3	T02S	Total/NA	Water	7470A	
500-243693-4	T03S	Total/NA	GW	7470A	
500-243693-5	T09S	Total/NA	Water	7470A	
500-243693-6	T01S	Total/NA	Water	7470A	
500-243693-7	T08S	Total/NA	Water	7470A	
500-243693-8	T06S	Total/NA	Water	7470A	
500-243693-9	T05S	Total/NA	Water	7470A	
500-243693-10	G33S	Total/NA	Water	7470A	
500-243693-11	G39S	Total/NA	Water	7470A	
500-243693-12	T11S	Total/NA	GW	7470A	
500-243693-13	G47S	Total/NA	GW	7470A	
500-243693-14	G48S	Total/NA	GW	7470A	
500-243693-15	T12S	Total/NA	Water	7470A	

# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Metals (Continued)

### Prep Batch: 748249 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-16	G30S	Total/NA	GW	7470A	
500-243693-17	R32S	Total/NA	GW	7470A	
500-243693-18	T13S	Total/NA	Water	7470A	
MB 500-748249/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-748249/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-243693-9 MS	T05S	Total/NA	Water	7470A	
500-243693-9 MSD	T05S	Total/NA	Water	7470A	
500-243693-9 DU	T05S	Total/NA	Water	7470A	

### Analysis Batch: 748389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	7470A	748249
500-243693-2	G31S	Total/NA	Water	7470A	748249
500-243693-3	T02S	Total/NA	Water	7470A	748249
500-243693-4	T03S	Total/NA	GW	7470A	748249
500-243693-5	T09S	Total/NA	Water	7470A	748249
500-243693-6	T01S	Total/NA	Water	7470A	748249
500-243693-7	T08S	Total/NA	Water	7470A	748249
500-243693-8	T06S	Total/NA	Water	7470A	748249
500-243693-9	T05S	Total/NA	Water	7470A	748249
500-243693-10	G33S	Total/NA	Water	7470A	748249
500-243693-11	G39S	Total/NA	Water	7470A	748249
500-243693-12	T11S	Total/NA	GW	7470A	748249
500-243693-13	G47S	Total/NA	GW	7470A	748249
500-243693-14	G48S	Total/NA	GW	7470A	748249
500-243693-15	T12S	Total/NA	Water	7470A	748249
500-243693-16	G30S	Total/NA	GW	7470A	748249
500-243693-17	R32S	Total/NA	GW	7470A	748249
500-243693-18	T13S	Total/NA	Water	7470A	748249
MB 500-748249/12-A	Method Blank	Total/NA	Water	7470A	748249
LCS 500-748249/13-A	Lab Control Sample	Total/NA	Water	7470A	748249
500-243693-9 MS	T05S	Total/NA	Water	7470A	748249
500-243693-9 MSD	T05S	Total/NA	Water	7470A	748249
500-243693-9 DU	T05S	Total/NA	Water	7470A	748249

### Prep Batch: 748407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-19	T13S Dup	Total/NA	Water	7470A	
500-243693-20	G44S	Total/NA	Water	7470A	
500-243693-21	G46S	Total/NA	Water	7470A	
500-243693-22	R08S	Total/NA	Water	7470A	
500-243693-23	G45S	Total/NA	Water	7470A	
MB 500-748407/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-748407/13-A	Lab Control Sample	Total/NA	Water	7470A	

### Analysis Batch: 748512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total Recoverable	Water	6020A	747852
500-243693-2	G31S	Total Recoverable	Water	6020A	747852
500-243693-3	T02S	Total Recoverable	Water	6020A	747852
500-243693-4	T03S	Total Recoverable	GW	6020A	747852

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# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Metals (Continued)

### Analysis Batch: 748512 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-5	T09S	Total Recoverable	Water	6020A	747852
500-243693-6	T01S	Total Recoverable	Water	6020A	747852
500-243693-7	T08S	Total Recoverable	Water	6020A	747852
500-243693-8	T06S	Total Recoverable	Water	6020A	747852
500-243693-9	T05S	Total Recoverable	Water	6020A	747852
500-243693-10	G33S	Total Recoverable	Water	6020A	747852
500-243693-11	G39S	Total Recoverable	Water	6020A	747852
500-243693-12	T11S	Total Recoverable	GW	6020A	747852
500-243693-13	G47S	Total Recoverable	GW	6020A	747852
500-243693-14	G48S	Total Recoverable	GW	6020A	747852
500-243693-15	T12S	Total Recoverable	Water	6020A	747852
500-243693-16	G30S	Total Recoverable	GW	6020A	747852
500-243693-17	R32S	Total Recoverable	GW	6020A	747852
500-243693-18	T13S	Total Recoverable	Water	6020A	747852
500-243693-19	T13S Dup	Total Recoverable	Water	6020A	747852
500-243693-20	G44S	Total Recoverable	Water	6020A	747852
MB 500-747852/1-A	Method Blank	Total Recoverable	Water	6020A	747852
LCS 500-747852/2-A	Lab Control Sample	Total Recoverable	Water	6020A	747852
500-243693-1 MS	G20S	Total Recoverable	Water	6020A	747852
500-243693-1 MSD	G20S	Total Recoverable	Water	6020A	747852
500-243693-1 DU	G20S	Total Recoverable	Water	6020A	747852

### Analysis Batch: 748531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-19	T13S Dup	Total/NA	Water	7470A	748407
500-243693-20	G44S	Total/NA	Water	7470A	748407
500-243693-21	G46S	Total/NA	Water	7470A	748407
500-243693-22	R08S	Total/NA	Water	7470A	748407
500-243693-23	G45S	Total/NA	Water	7470A	748407
MB 500-748407/12-A	Method Blank	Total/NA	Water	7470A	748407
LCS 500-748407/13-A	Lab Control Sample	Total/NA	Water	7470A	748407

### Analysis Batch: 748679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total Recoverable	Water	6020A	747852
500-243693-2	G31S	Total Recoverable	Water	6020A	747852
500-243693-3	T02S	Total Recoverable	Water	6020A	747852
500-243693-4	T03S	Total Recoverable	GW	6020A	747852
500-243693-5	T09S	Total Recoverable	Water	6020A	747852
500-243693-6	T01S	Total Recoverable	Water	6020A	747852
500-243693-7	T08S	Total Recoverable	Water	6020A	747852
500-243693-8	T06S	Total Recoverable	Water	6020A	747852
500-243693-9	T05S	Total Recoverable	Water	6020A	747852
500-243693-10	G33S	Total Recoverable	Water	6020A	747852
500-243693-11	G39S	Total Recoverable	Water	6020A	747852
500-243693-12	T11S	Total Recoverable	GW	6020A	747852
500-243693-13	G47S	Total Recoverable	GW	6020A	747852
500-243693-14	G48S	Total Recoverable	GW	6020A	747852
500-243693-15	T12S	Total Recoverable	Water	6020A	747852
500-243693-16	G30S	Total Recoverable	GW	6020A	747852
500-243693-17	R32S	Total Recoverable	GW	6020A	747852

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# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Metals (Continued)

### Analysis Batch: 748679 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-18	T13S	Total Recoverable	Water	6020A	747852
500-243693-19	T13S Dup	Total Recoverable	Water	6020A	747852
500-243693-20	G44S	Total Recoverable	Water	6020A	747852
MB 500-747852/1-A	Method Blank	Total Recoverable	Water	6020A	747852
LCS 500-747852/2-A	Lab Control Sample	Total Recoverable	Water	6020A	747852
500-243693-1 MS	G20S	Total Recoverable	Water	6020A	747852
500-243693-1 MSD	G20S	Total Recoverable	Water	6020A	747852
500-243693-1 DU	G20S	Total Recoverable	Water	6020A	747852

### Analysis Batch: 748874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total Recoverable	Water	6020A	747852
500-243693-2	G31S	Total Recoverable	Water	6020A	747852
500-243693-3	T02S	Total Recoverable	Water	6020A	747852
500-243693-4	T03S	Total Recoverable	GW	6020A	747852
500-243693-5	T09S	Total Recoverable	Water	6020A	747852
500-243693-6	T01S	Total Recoverable	Water	6020A	747852
500-243693-7	T08S	Total Recoverable	Water	6020A	747852
500-243693-8	T06S	Total Recoverable	Water	6020A	747852
500-243693-9	T05S	Total Recoverable	Water	6020A	747852
500-243693-10	G33S	Total Recoverable	Water	6020A	747852
500-243693-11	G39S	Total Recoverable	Water	6020A	747852
500-243693-12	T11S	Total Recoverable	GW	6020A	747852
500-243693-13	G47S	Total Recoverable	GW	6020A	747852
500-243693-14	G48S	Total Recoverable	GW	6020A	747852
500-243693-15	T12S	Total Recoverable	Water	6020A	747852
500-243693-16	G30S	Total Recoverable	GW	6020A	747852
500-243693-17	R32S	Total Recoverable	GW	6020A	747852
500-243693-18	T13S	Total Recoverable	Water	6020A	747852
500-243693-19	T13S Dup	Total Recoverable	Water	6020A	747852
500-243693-20	G44S	Total Recoverable	Water	6020A	747852
MB 500-747852/1-A	Method Blank	Total Recoverable	Water	6020A	747852
LCS 500-747852/2-A	Lab Control Sample	Total Recoverable	Water	6020A	747852
500-243693-1 MS	G20S	Total Recoverable	Water	6020A	747852
500-243693-1 MSD	G20S	Total Recoverable	Water	6020A	747852
500-243693-1 DU	G20S	Total Recoverable	Water	6020A	747852

### Analysis Batch: 749056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-21	G46S	Total Recoverable	Water	6020A	747992
500-243693-22	R08S	Total Recoverable	Water	6020A	747992
500-243693-23	G45S	Total Recoverable	Water	6020A	747992
MB 500-747992/1-A	Method Blank	Total Recoverable	Water	6020A	747992
LCS 500-747992/2-A	Lab Control Sample	Total Recoverable	Water	6020A	747992

### Analysis Batch: 749452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-21	G46S	Total Recoverable	Water	6020A	747992
500-243693-22	R08S	Total Recoverable	Water	6020A	747992
500-243693-23	G45S	Total Recoverable	Water	6020A	747992
MB 500-747992/1-A	Method Blank	Total Recoverable	Water	6020A	747992

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# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Metals (Continued)

### Analysis Batch: 749452 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-747992/2-A	Lab Control Sample	Total Recoverable	Water	6020A	747992

### Analysis Batch: 749594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-3	T02S	Total Recoverable	Water	6020A	747852
500-243693-4	T03S	Total Recoverable	GW	6020A	747852
500-243693-5	T09S	Total Recoverable	Water	6020A	747852
500-243693-6	T01S	Total Recoverable	Water	6020A	747852
500-243693-7	T08S	Total Recoverable	Water	6020A	747852
500-243693-8	T06S	Total Recoverable	Water	6020A	747852
500-243693-9	T05S	Total Recoverable	Water	6020A	747852
500-243693-10	G33S	Total Recoverable	Water	6020A	747852
500-243693-11	G39S	Total Recoverable	Water	6020A	747852
500-243693-12	T11S	Total Recoverable	GW	6020A	747852
500-243693-13	G47S	Total Recoverable	GW	6020A	747852
500-243693-14	G48S	Total Recoverable	GW	6020A	747852
500-243693-15	T12S	Total Recoverable	Water	6020A	747852
500-243693-16	G30S	Total Recoverable	GW	6020A	747852
500-243693-17	R32S	Total Recoverable	GW	6020A	747852
500-243693-18	T13S	Total Recoverable	Water	6020A	747852
500-243693-19	T13S Dup	Total Recoverable	Water	6020A	747852
500-243693-20	G44S	Total Recoverable	Water	6020A	747852
500-243693-21	G46S	Total Recoverable	Water	6020A	747992
500-243693-21	G46S	Total Recoverable	Water	6020A	747992
500-243693-22	R08S	Total Recoverable	Water	6020A	747992
500-243693-22	R08S	Total Recoverable	Water	6020A	747992
500-243693-23	G45S	Total Recoverable	Water	6020A	747992

## General Chemistry

### Analysis Batch: 746384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	SM 2540C	
500-243693-2	G31S	Total/NA	Water	SM 2540C	
500-243693-3	T02S	Total/NA	Water	SM 2540C	
500-243693-4	T03S	Total/NA	GW	SM 2540C	
500-243693-5	T09S	Total/NA	Water	SM 2540C	
MB 500-746384/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-746384/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 747027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-6	T01S	Total/NA	Water	SM 2540C	
500-243693-7	T08S	Total/NA	Water	SM 2540C	
500-243693-8	T06S	Total/NA	Water	SM 2540C	
500-243693-9	T05S	Total/NA	Water	SM 2540C	
500-243693-10	G33S	Total/NA	Water	SM 2540C	
MB 500-747027/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-747027/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-243693-6 MS	T01S	Total/NA	Water	SM 2540C	
500-243693-6 DU	T01S	Total/NA	Water	SM 2540C	

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# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## General Chemistry (Continued)

### Analysis Batch: 747027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-7 DU	T08S	Total/NA	Water	SM 2540C	

### Analysis Batch: 747082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	SM 4500 CI- E	
500-243693-2	G31S	Total/NA	Water	SM 4500 CI- E	
500-243693-3	T02S	Total/NA	Water	SM 4500 CI- E	
500-243693-4	T03S	Total/NA	GW	SM 4500 CI- E	
500-243693-5	T09S	Total/NA	Water	SM 4500 CI- E	
500-243693-6	T01S	Total/NA	Water	SM 4500 CI- E	
500-243693-7	T08S	Total/NA	Water	SM 4500 CI- E	
500-243693-8	T06S	Total/NA	Water	SM 4500 CI- E	
500-243693-9	T05S	Total/NA	Water	SM 4500 CI- E	
500-243693-10	G33S	Total/NA	Water	SM 4500 CI- E	
MB 500-747082/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
MB 500-747082/66	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-747082/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
LCS 500-747082/67	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

### Analysis Batch: 747193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-11	G39S	Total/NA	Water	SM 2540C	
500-243693-12	T11S	Total/NA	GW	SM 2540C	
500-243693-13	G47S	Total/NA	GW	SM 2540C	
500-243693-14	G48S	Total/NA	GW	SM 2540C	
500-243693-15	T12S	Total/NA	Water	SM 2540C	
MB 500-747193/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-747193/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-243693-11 MS	G39S	Total/NA	Water	SM 2540C	
500-243693-11 DU	G39S	Total/NA	Water	SM 2540C	
500-243693-12 DU	T11S	Total/NA	GW	SM 2540C	

### Analysis Batch: 747450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-16	G30S	Total/NA	GW	SM 2540C	
500-243693-17	R32S	Total/NA	GW	SM 2540C	
500-243693-18	T13S	Total/NA	Water	SM 2540C	
500-243693-19	T13S Dup	Total/NA	Water	SM 2540C	
500-243693-20	G44S	Total/NA	Water	SM 2540C	
MB 500-747450/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-747450/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-243693-16 MS	G30S	Total/NA	GW	SM 2540C	
500-243693-16 DU	G30S	Total/NA	GW	SM 2540C	
500-243693-17 DU	R32S	Total/NA	GW	SM 2540C	

### Analysis Batch: 747509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	SM 4500 F C	
500-243693-2	G31S	Total/NA	Water	SM 4500 F C	
500-243693-3	T02S	Total/NA	Water	SM 4500 F C	
500-243693-4	T03S	Total/NA	GW	SM 4500 F C	

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# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## General Chemistry (Continued)

### Analysis Batch: 747509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-5	T09S	Total/NA	Water	SM 4500 F C	
500-243693-6	T01S	Total/NA	Water	SM 4500 F C	
500-243693-7	T08S	Total/NA	Water	SM 4500 F C	
500-243693-8	T06S	Total/NA	Water	SM 4500 F C	
500-243693-9	T05S	Total/NA	Water	SM 4500 F C	
500-243693-10	G33S	Total/NA	Water	SM 4500 F C	
500-243693-11	G39S	Total/NA	Water	SM 4500 F C	
500-243693-12	T11S	Total/NA	GW	SM 4500 F C	
500-243693-13	G47S	Total/NA	GW	SM 4500 F C	
500-243693-14	G48S	Total/NA	GW	SM 4500 F C	
500-243693-15	T12S	Total/NA	Water	SM 4500 F C	
MB 500-747509/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-747509/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-747509/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-747509/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-243693-14 MS	G48S	Total/NA	GW	SM 4500 F C	
500-243693-14 MSD	G48S	Total/NA	GW	SM 4500 F C	

### Analysis Batch: 747668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-21	G46S	Total/NA	Water	SM 2540C	
500-243693-22	R08S	Total/NA	Water	SM 2540C	
500-243693-23	G45S	Total/NA	Water	SM 2540C	
MB 500-747668/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-747668/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-243693-21 MS	G46S	Total/NA	Water	SM 2540C	
500-243693-21 DU	G46S	Total/NA	Water	SM 2540C	
500-243693-22 DU	R08S	Total/NA	Water	SM 2540C	

### Analysis Batch: 747850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-11	G39S	Total/NA	Water	SM 4500 CI- E	
500-243693-12	T11S	Total/NA	GW	SM 4500 CI- E	
500-243693-13	G47S	Total/NA	GW	SM 4500 CI- E	
500-243693-14	G48S	Total/NA	GW	SM 4500 CI- E	
500-243693-15	T12S	Total/NA	Water	SM 4500 CI- E	
500-243693-16	G30S	Total/NA	GW	SM 4500 CI- E	
500-243693-17	R32S	Total/NA	GW	SM 4500 CI- E	
500-243693-18	T13S	Total/NA	Water	SM 4500 CI- E	
500-243693-19	T13S Dup	Total/NA	Water	SM 4500 CI- E	
500-243693-20	G44S	Total/NA	Water	SM 4500 CI- E	
MB 500-747850/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-747850/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

### Analysis Batch: 748435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-21	G46S	Total/NA	Water	SM 4500 CI- E	
500-243693-22	R08S	Total/NA	Water	SM 4500 CI- E	
500-243693-23	G45S	Total/NA	Water	SM 4500 CI- E	
MB 500-748435/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-748435/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

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# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## General Chemistry

### Analysis Batch: 748677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	SM 4500 SO4 E	
MB 500-748677/111	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-748677/112	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

### Analysis Batch: 748771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-2	G31S	Total/NA	Water	SM 4500 SO4 E	
500-243693-5	T09S	Total/NA	Water	SM 4500 SO4 E	
500-243693-6	T01S	Total/NA	Water	SM 4500 SO4 E	
500-243693-7	T08S	Total/NA	Water	SM 4500 SO4 E	
500-243693-8	T06S	Total/NA	Water	SM 4500 SO4 E	
500-243693-9	T05S	Total/NA	Water	SM 4500 SO4 E	
500-243693-10	G33S	Total/NA	Water	SM 4500 SO4 E	
500-243693-11	G39S	Total/NA	Water	SM 4500 SO4 E	
500-243693-12	T11S	Total/NA	GW	SM 4500 SO4 E	
500-243693-13	G47S	Total/NA	GW	SM 4500 SO4 E	
500-243693-14	G48S	Total/NA	GW	SM 4500 SO4 E	
500-243693-15	T12S	Total/NA	Water	SM 4500 SO4 E	
500-243693-16	G30S	Total/NA	GW	SM 4500 SO4 E	
500-243693-17	R32S	Total/NA	GW	SM 4500 SO4 E	
500-243693-18	T13S	Total/NA	Water	SM 4500 SO4 E	
500-243693-19	T13S Dup	Total/NA	Water	SM 4500 SO4 E	
500-243693-20	G44S	Total/NA	Water	SM 4500 SO4 E	
500-243693-21	G46S	Total/NA	Water	SM 4500 SO4 E	
500-243693-22	R08S	Total/NA	Water	SM 4500 SO4 E	
500-243693-23	G45S	Total/NA	Water	SM 4500 SO4 E	
MB 500-748771/11	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-748771/12	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-243693-12 MS	T11S	Total/NA	GW	SM 4500 SO4 E	
500-243693-12 MSD	T11S	Total/NA	GW	SM 4500 SO4 E	

### Analysis Batch: 748935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-3	T02S	Total/NA	Water	SM 4500 SO4 E	
500-243693-4	T03S	Total/NA	GW	SM 4500 SO4 E	
MB 500-748935/57	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-748935/58	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-243693-3 MS	T02S	Total/NA	Water	SM 4500 SO4 E	
500-243693-3 MSD	T02S	Total/NA	Water	SM 4500 SO4 E	

### Analysis Batch: 749028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-16	G30S	Total/NA	GW	SM 4500 F C	
500-243693-17	R32S	Total/NA	GW	SM 4500 F C	
500-243693-18	T13S	Total/NA	Water	SM 4500 F C	
500-243693-19	T13S Dup	Total/NA	Water	SM 4500 F C	
500-243693-20	G44S	Total/NA	Water	SM 4500 F C	
500-243693-21	G46S	Total/NA	Water	SM 4500 F C	
500-243693-22	R08S	Total/NA	Water	SM 4500 F C	
500-243693-23	G45S	Total/NA	Water	SM 4500 F C	
MB 500-749028/3	Method Blank	Total/NA	Water	SM 4500 F C	

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# QC Association Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## General Chemistry (Continued)

### Analysis Batch: 749028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-749028/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-243693-17 MS	R32S	Total/NA	GW	SM 4500 F C	
500-243693-17 MSD	R32S	Total/NA	GW	SM 4500 F C	

## Field Service / Mobile Lab

### Analysis Batch: 746654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	Field Sampling	
500-243693-2	G31S	Total/NA	Water	Field Sampling	
500-243693-3	T02S	Total/NA	Water	Field Sampling	
500-243693-4	T03S	Total/NA	GW	Field Sampling	
500-243693-5	T09S	Total/NA	Water	Field Sampling	
500-243693-6	T01S	Total/NA	Water	Field Sampling	
500-243693-7	T08S	Total/NA	Water	Field Sampling	
500-243693-8	T06S	Total/NA	Water	Field Sampling	
500-243693-9	T05S	Total/NA	Water	Field Sampling	
500-243693-10	G33S	Total/NA	Water	Field Sampling	
500-243693-11	G39S	Total/NA	Water	Field Sampling	
500-243693-12	T11S	Total/NA	GW	Field Sampling	
500-243693-13	G47S	Total/NA	GW	Field Sampling	
500-243693-14	G48S	Total/NA	GW	Field Sampling	
500-243693-15	T12S	Total/NA	Water	Field Sampling	
500-243693-16	G30S	Total/NA	GW	Field Sampling	
500-243693-17	R32S	Total/NA	GW	Field Sampling	
500-243693-18	T13S	Total/NA	Water	Field Sampling	
500-243693-19	T13S Dup	Total/NA	Water	Field Sampling	
500-243693-20	G44S	Total/NA	Water	Field Sampling	
500-243693-21	G46S	Total/NA	Water	Field Sampling	
500-243693-22	R08S	Total/NA	Water	Field Sampling	
500-243693-23	G45S	Total/NA	Water	Field Sampling	

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Method: 6020A - Metals (ICP/MS)

**Lab Sample ID: MB 500-747852/1-A**  
**Matrix: Water**  
**Analysis Batch: 748512**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		12/21/23 19:31	12/22/23 18:13	1
Arsenic	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 18:13	1
Cadmium	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 18:13	1
Calcium	<0.20		0.20		mg/L		12/21/23 19:31	12/22/23 18:13	1
Chromium	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 18:13	1
Cobalt	<0.0010		0.0010		mg/L		12/21/23 19:31	12/22/23 18:13	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/22/23 18:13	1
Molybdenum	<0.0050		0.0050		mg/L		12/21/23 19:31	12/22/23 18:13	1
Selenium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/22/23 18:13	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/22/23 18:13	1

**Lab Sample ID: MB 500-747852/1-A**  
**Matrix: Water**  
**Analysis Batch: 748679**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	<0.0025		0.0025		mg/L		12/21/23 19:31	12/29/23 16:13	1
Calcium	<0.20		0.20		mg/L		12/21/23 19:31	12/29/23 16:13	1
Lead	<0.00050		0.00050		mg/L		12/21/23 19:31	12/29/23 16:13	1
Thallium	<0.0020		0.0020		mg/L		12/21/23 19:31	12/29/23 16:13	1

**Lab Sample ID: MB 500-747852/1-A**  
**Matrix: Water**  
**Analysis Batch: 748874**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Beryllium	<0.0010		0.0010		mg/L		12/21/23 19:31	01/02/24 15:12	1
Boron	<0.050		0.050		mg/L		12/21/23 19:31	01/02/24 15:12	1
Lithium	<0.010		0.010		mg/L		12/21/23 19:31	01/02/24 15:12	1

**Lab Sample ID: LCS 500-747852/2-A**  
**Matrix: Water**  
**Analysis Batch: 748512**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Antimony	0.500	0.463		mg/L		93	80 - 120
Arsenic	0.100	0.0935		mg/L		93	80 - 120
Cadmium	0.0500	0.0452		mg/L		90	80 - 120
Chromium	0.200	0.190		mg/L		95	80 - 120
Cobalt	0.500	0.484		mg/L		97	80 - 120
Molybdenum	1.00	0.874		mg/L		87	80 - 120
Selenium	0.100	0.0930		mg/L		93	80 - 120

**Lab Sample ID: LCS 500-747852/2-A**  
**Matrix: Water**  
**Analysis Batch: 748679**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Barium	2.00	1.79		mg/L		89	80 - 120

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# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Method: 6020A - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 500-747852/2-A**  
**Matrix: Water**  
**Analysis Batch: 748679**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.0	7.95		mg/L		80	80 - 120
Lead	0.100	0.0944		mg/L		94	80 - 120
Thallium	0.100	0.0943		mg/L		94	80 - 120

**Lab Sample ID: LCS 500-747852/2-A**  
**Matrix: Water**  
**Analysis Batch: 748874**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0498		mg/L		100	80 - 120
Boron	1.00	0.986		mg/L		99	80 - 120
Lithium	0.500	0.483		mg/L		97	80 - 120

**Lab Sample ID: 500-243693-1 MS**  
**Matrix: Water**  
**Analysis Batch: 748512**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.450		mg/L		90	75 - 125
Arsenic	<0.0010		0.100	0.0905		mg/L		90	75 - 125
Cadmium	<0.00050		0.0500	0.0428		mg/L		86	75 - 125
Calcium	55 *-		10.0	57.9	4	mg/L		29	75 - 125
Chromium	<0.0050		0.200	0.182		mg/L		91	75 - 125
Cobalt	<0.0010		0.500	0.450		mg/L		90	75 - 125
Molybdenum	0.014		1.00	0.865		mg/L		85	75 - 125
Selenium	<0.0025		0.100	0.0876		mg/L		88	75 - 125

**Lab Sample ID: 500-243693-1 MS**  
**Matrix: Water**  
**Analysis Batch: 748679**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.045		2.00	1.84		mg/L		90	75 - 125
Calcium	54		10.0	60.3	4	mg/L		61	75 - 125
Lead	<0.00050		0.100	0.0917		mg/L		92	75 - 125
Thallium	<0.0020		0.100	0.0931		mg/L		93	75 - 125

**Lab Sample ID: 500-243693-1 MS**  
**Matrix: Water**  
**Analysis Batch: 748874**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	<0.0010		0.0500	0.0449		mg/L		90	75 - 125
Boron	1.3		1.00	2.16		mg/L		88	75 - 125
Lithium	0.040		0.500	0.517		mg/L		95	75 - 125

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Method: 6020A - Metals (ICP/MS) (Continued)

**Lab Sample ID: 500-243693-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 748512**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result			Result	Qualifier				Limits		Limit
Antimony	<0.0030		0.500	0.455		mg/L		91	75 - 125	1	20
Arsenic	<0.0010		0.100	0.0905		mg/L		90	75 - 125	0	20
Cadmium	<0.00050		0.0500	0.0432		mg/L		86	75 - 125	1	20
Calcium	55	*	10.0	58.3	4	mg/L		34	75 - 125	1	20
Chromium	<0.0050		0.200	0.181		mg/L		90	75 - 125	1	20
Cobalt	<0.0010		0.500	0.449		mg/L		90	75 - 125	0	20
Molybdenum	0.014		1.00	0.873		mg/L		86	75 - 125	1	20
Selenium	<0.0025		0.100	0.0882		mg/L		88	75 - 125	1	20

**Lab Sample ID: 500-243693-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 748679**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result			Result	Qualifier				Limits		Limit
Barium	0.045		2.00	1.82		mg/L		89	75 - 125	1	20
Calcium	54		10.0	60.8	4	mg/L		66	75 - 125	1	20
Lead	<0.00050		0.100	0.0923		mg/L		92	75 - 125	1	20
Thallium	<0.0020		0.100	0.0928		mg/L		93	75 - 125	0	20

**Lab Sample ID: 500-243693-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 748874**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result			Result	Qualifier				Limits		Limit
Beryllium	<0.0010		0.0500	0.0453		mg/L		91	75 - 125	1	20
Boron	1.3		1.00	2.25		mg/L		98	75 - 125	4	20
Lithium	0.040		0.500	0.517		mg/L		95	75 - 125	0	20

**Lab Sample ID: 500-243693-1 DU**  
**Matrix: Water**  
**Analysis Batch: 748512**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample	Sample Qualifier	DU	DU	Unit	D	RPD	RPD
	Result		Result	Qualifier				Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Molybdenum	0.014		0.0139		mg/L		2	20
Selenium	<0.0025		<0.0025		mg/L		NC	20

**Lab Sample ID: 500-243693-1 DU**  
**Matrix: Water**  
**Analysis Batch: 748679**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample	Sample Qualifier	DU	DU	Unit	D	RPD	RPD
	Result		Result	Qualifier				Limit
Barium	0.045		0.0461		mg/L		2	20
Calcium	54		54.8		mg/L		1	20
Lead	<0.00050		<0.00050		mg/L		NC	20

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# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Method: 6020A - Metals (ICP/MS) (Continued)

**Lab Sample ID: 500-243693-1 DU**  
**Matrix: Water**  
**Analysis Batch: 748679**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Thallium	<0.0020		<0.0020		mg/L		NC	20

**Lab Sample ID: 500-243693-1 DU**  
**Matrix: Water**  
**Analysis Batch: 748874**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747852**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	1.3		1.31		mg/L		2	20
Lithium	0.040		0.0383		mg/L		4	20

**Lab Sample ID: MB 500-747992/1-A**  
**Matrix: Water**  
**Analysis Batch: 749056**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747992**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		12/22/23 09:26	01/03/24 18:58	1
Arsenic	<0.0010		0.0010		mg/L		12/22/23 09:26	01/03/24 18:58	1
Barium	<0.0025		0.0025		mg/L		12/22/23 09:26	01/03/24 18:58	1
Cadmium	<0.00050		0.00050		mg/L		12/22/23 09:26	01/03/24 18:58	1
Chromium	<0.0050		0.0050		mg/L		12/22/23 09:26	01/03/24 18:58	1
Cobalt	<0.0010		0.0010		mg/L		12/22/23 09:26	01/03/24 18:58	1
Lead	<0.00050		0.00050		mg/L		12/22/23 09:26	01/03/24 18:58	1
Molybdenum	<0.0050		0.0050		mg/L		12/22/23 09:26	01/03/24 18:58	1

**Lab Sample ID: MB 500-747992/1-A**  
**Matrix: Water**  
**Analysis Batch: 749452**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747992**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		12/22/23 09:26	01/05/24 16:18	1
Calcium	<0.20		0.20		mg/L		12/22/23 09:26	01/05/24 16:18	1

**Lab Sample ID: LCS 500-747992/2-A**  
**Matrix: Water**  
**Analysis Batch: 749056**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 747992**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.532	^1+	mg/L		106	80 - 120
Arsenic	0.100	0.105		mg/L		105	80 - 120
Barium	2.00	1.96		mg/L		98	80 - 120
Cadmium	0.0500	0.0497		mg/L		99	80 - 120
Chromium	0.200	0.182		mg/L		91	80 - 120
Cobalt	0.500	0.478		mg/L		96	80 - 120
Lead	0.100	0.0958		mg/L		96	80 - 120
Molybdenum	1.00	0.957		mg/L		96	80 - 120



# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-747992/2-A  
 Matrix: Water  
 Analysis Batch: 749452

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 747992

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0575		mg/L		115	80 - 120
Calcium	10.0	9.26		mg/L		93	80 - 120

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-748249/12-A  
 Matrix: Water  
 Analysis Batch: 748389

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 748249

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/27/23 12:30	12/28/23 07:42	1

Lab Sample ID: LCS 500-748249/13-A  
 Matrix: Water  
 Analysis Batch: 748389

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 748249

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00192		mg/L		96	80 - 120

Lab Sample ID: 500-243693-9 MS  
 Matrix: Water  
 Analysis Batch: 748389

Client Sample ID: T05S  
 Prep Type: Total/NA  
 Prep Batch: 748249

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000987		mg/L		99	75 - 125

Lab Sample ID: 500-243693-9 MSD  
 Matrix: Water  
 Analysis Batch: 748389

Client Sample ID: T05S  
 Prep Type: Total/NA  
 Prep Batch: 748249

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000997		mg/L		100	75 - 125	1	20

Lab Sample ID: 500-243693-9 DU  
 Matrix: Water  
 Analysis Batch: 748389

Client Sample ID: T05S  
 Prep Type: Total/NA  
 Prep Batch: 748249

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

Lab Sample ID: MB 500-748407/12-A  
 Matrix: Water  
 Analysis Batch: 748531

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 748407

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/28/23 14:20	12/29/23 07:48	1

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

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

Lab Sample ID: LCS 500-748407/13-A  
 Matrix: Water  
 Analysis Batch: 748531

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 748407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00204		mg/L		102	80 - 120

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

Lab Sample ID: MB 500-746384/1  
 Matrix: Water  
 Analysis Batch: 746384

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			12/12/23 20:11	1

Lab Sample ID: LCS 500-746384/2  
 Matrix: Water  
 Analysis Batch: 746384

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	254		mg/L		102	80 - 120

Lab Sample ID: MB 500-747027/1  
 Matrix: Water  
 Analysis Batch: 747027

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			12/18/23 00:30	1

Lab Sample ID: LCS 500-747027/2  
 Matrix: Water  
 Analysis Batch: 747027

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	232		mg/L		93	80 - 120

Lab Sample ID: 500-243693-6 MS  
 Matrix: Water  
 Analysis Batch: 747027

Client Sample ID: T01S  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	940		250	1160		mg/L		87	75 - 125

Lab Sample ID: 500-243693-6 DU  
 Matrix: Water  
 Analysis Batch: 747027

Client Sample ID: T01S  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	940		952		mg/L		0.8	5

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

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

**Lab Sample ID: 500-243693-7 DU**  
**Matrix: Water**  
**Analysis Batch: 747027**

**Client Sample ID: T08S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		1040		mg/L		3	5

**Lab Sample ID: MB 500-747193/1**  
**Matrix: Water**  
**Analysis Batch: 747193**

**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			12/18/23 18:52	1

**Lab Sample ID: LCS 500-747193/2**  
**Matrix: Water**  
**Analysis Batch: 747193**

**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	234		mg/L		94	80 - 120

**Lab Sample ID: 500-243693-11 MS**  
**Matrix: Water**  
**Analysis Batch: 747193**

**Client Sample ID: G39S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	580		250	800		mg/L		86	75 - 125

**Lab Sample ID: 500-243693-11 DU**  
**Matrix: Water**  
**Analysis Batch: 747193**

**Client Sample ID: G39S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	580		588		mg/L		0.7	5

**Lab Sample ID: 500-243693-12 DU**  
**Matrix: GW**  
**Analysis Batch: 747193**

**Client Sample ID: T11S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	620		612		mg/L		2	5

**Lab Sample ID: MB 500-747450/1**  
**Matrix: Water**  
**Analysis Batch: 747450**

**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			12/19/23 20:49	1

**Lab Sample ID: LCS 500-747450/2**  
**Matrix: Water**  
**Analysis Batch: 747450**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	240		mg/L		96	80 - 120

Euofins Chicago

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

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

**Lab Sample ID: 500-243693-16 MS**  
**Matrix: GW**  
**Analysis Batch: 747450**

**Client Sample ID: G30S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1200		250	1450	4	mg/L		80	75 - 125

**Lab Sample ID: 500-243693-16 DU**  
**Matrix: GW**  
**Analysis Batch: 747450**

**Client Sample ID: G30S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1210		mg/L		3	5

**Lab Sample ID: 500-243693-17 DU**  
**Matrix: GW**  
**Analysis Batch: 747450**

**Client Sample ID: R32S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	780		752		mg/L		4	5

**Lab Sample ID: MB 500-747668/1**  
**Matrix: Water**  
**Analysis Batch: 747668**

**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			12/20/23 20:55	1

**Lab Sample ID: LCS 500-747668/2**  
**Matrix: Water**  
**Analysis Batch: 747668**

**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: 500-243693-21 MS**  
**Matrix: Water**  
**Analysis Batch: 747668**

**Client Sample ID: G46S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	980		250	1200		mg/L		88	75 - 125

**Lab Sample ID: 500-243693-21 DU**  
**Matrix: Water**  
**Analysis Batch: 747668**

**Client Sample ID: G46S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	980		1000		mg/L		3	5

**Lab Sample ID: 500-243693-22 DU**  
**Matrix: Water**  
**Analysis Batch: 747668**

**Client Sample ID: R08S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	800		778		mg/L		3	5

Eurolins Chicago

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Method: SM 4500 Cl- E - Chloride, Total

**Lab Sample ID: MB 500-747082/16**  
**Matrix: Water**  
**Analysis Batch: 747082**

**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			12/17/23 11:47	1

**Lab Sample ID: MB 500-747082/66**  
**Matrix: Water**  
**Analysis Batch: 747082**

**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			12/17/23 15:00	1

**Lab Sample ID: LCS 500-747082/17**  
**Matrix: Water**  
**Analysis Batch: 747082**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.7		mg/L		99	85 - 115

**Lab Sample ID: LCS 500-747082/67**  
**Matrix: Water**  
**Analysis Batch: 747082**

**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	21.9		mg/L		109	85 - 115

**Lab Sample ID: MB 500-747850/16**  
**Matrix: Water**  
**Analysis Batch: 747850**

**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			12/21/23 18:35	1

**Lab Sample ID: LCS 500-747850/17**  
**Matrix: Water**  
**Analysis Batch: 747850**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.9		mg/L		100	85 - 115

**Lab Sample ID: MB 500-748435/16**  
**Matrix: Water**  
**Analysis Batch: 748435**

**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			12/28/23 10:45	1

**Lab Sample ID: LCS 500-748435/17**  
**Matrix: Water**  
**Analysis Batch: 748435**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.9		mg/L		99	85 - 115

Eurofins Chicago

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Method: SM 4500 F C - Fluoride

**Lab Sample ID: MB 500-747509/3**  
**Matrix: Water**  
**Analysis Batch: 747509**

**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			12/19/23 16:30	1

**Lab Sample ID: MB 500-747509/31**  
**Matrix: Water**  
**Analysis Batch: 747509**

**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			12/19/23 18:42	1

**Lab Sample ID: LCS 500-747509/32**  
**Matrix: Water**  
**Analysis Batch: 747509**

**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	9.98		mg/L		100	90 - 119

**Lab Sample ID: LCS 500-747509/4**  
**Matrix: Water**  
**Analysis Batch: 747509**

**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	9.92		mg/L		99	90 - 119

**Lab Sample ID: 500-243693-14 MS**  
**Matrix: GW**  
**Analysis Batch: 747509**

**Client Sample ID: G48S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.88		5.00	5.83		mg/L		99	75 - 125

**Lab Sample ID: 500-243693-14 MSD**  
**Matrix: GW**  
**Analysis Batch: 747509**

**Client Sample ID: G48S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.88		5.00	5.86		mg/L		100	75 - 125	1	20

**Lab Sample ID: MB 500-749028/3**  
**Matrix: Water**  
**Analysis Batch: 749028**

**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			01/03/24 10:24	1

**Lab Sample ID: LCS 500-749028/4**  
**Matrix: Water**  
**Analysis Batch: 749028**

**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

Eurofins Chicago

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Method: SM 4500 F C - Fluoride

Lab Sample ID: 500-243693-17 MS  
 Matrix: GW  
 Analysis Batch: 749028

Client Sample ID: R32S  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.28		5.00	5.18		mg/L		98	75 - 125

Lab Sample ID: 500-243693-17 MSD  
 Matrix: GW  
 Analysis Batch: 749028

Client Sample ID: R32S  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.28		5.00	5.08		mg/L		96	75 - 125	2	20

## Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-748677/111  
 Matrix: Water  
 Analysis Batch: 748677

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			12/31/23 17:06	1

Lab Sample ID: LCS 500-748677/112  
 Matrix: Water  
 Analysis Batch: 748677

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.9		mg/L		109	88 - 123

Lab Sample ID: MB 500-748771/11  
 Matrix: Water  
 Analysis Batch: 748771

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			01/02/24 11:58	1

Lab Sample ID: LCS 500-748771/12  
 Matrix: Water  
 Analysis Batch: 748771

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.1		mg/L		101	88 - 123

Lab Sample ID: 500-243693-12 MS  
 Matrix: GW  
 Analysis Batch: 748771

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	220		10.0	235	4	mg/L		195	75 - 125

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

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

**Lab Sample ID: 500-243693-12 MSD**  
**Matrix: GW**  
**Analysis Batch: 748771**

**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	220		10.0	232	4	mg/L		162	75 - 125	1	20

**Lab Sample ID: MB 500-748935/57**  
**Matrix: Water**  
**Analysis Batch: 748935**

**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			01/02/24 15:36	1

**Lab Sample ID: LCS 500-748935/58**  
**Matrix: Water**  
**Analysis Batch: 748935**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.8		mg/L		108	88 - 123

**Lab Sample ID: 500-243693-3 MS**  
**Matrix: Water**  
**Analysis Batch: 748935**

**Client Sample ID: T02S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	330	F1	200	343	F1	mg/L		8	75 - 125

**Lab Sample ID: 500-243693-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 748935**

**Client Sample ID: T02S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	330	F1	200	344	F1	mg/L		8	75 - 125	0	20













# Chain of Custody Record 719226



Environment Testing  
America

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other

500-243693 COC

TAL-8210

Client Contact		Project Manager: <u>Diana Mack</u>			Site Contact			Date		
Company Name <u>Midwest Generation EME LLC</u>		Tel/Email			Lab Contact			Carrier		
Address		Analysis Turnaround Time			Filtered Sample (Y/N) Perform MS / MSD (Y/N) <u>Radium 226</u> <u>Radium 228</u> <u>Combined 226/228</u> <u>TDS, F, Cl, SO4</u> <u>Metals 14 elements + Hg</u>			TAT if different from Below _____		
City/State/Zip <u>Joliet, IL</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS								
Phone		<input type="checkbox"/> 2 weeks								
Fax		<input type="checkbox"/> 1 week								
Project Name <u>Joliet #9 CCR</u>		<input type="checkbox"/> 2 days								
Site <u>4823 GW + Turbidity</u>		<input type="checkbox"/> 1 day			Job / SDG No <u>300-243693</u>			Sampler:		
P O #								For Lab Use Only		
								Walk-in Client		
								Lab Sampling		
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes			
11	G39S	12/18/23	0927		W	5	/	/	/	
12	T11S	12/18/23	1020		W	5	/	/	/	
13	G47S	12/18/23	1131		W	5	/	/	/	
14	G48S	12/18/23	1248		W	5	/	/	/	
15	T12S	12/18/23	1404		W	5	/	/	/	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____							Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)			
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown										
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No			Cooler Temp (°C) Obs'd <u>5.5</u> <u>3.4</u> Corr'd, <u>5.3</u> <u>3.4</u>		Therm ID No	
Relinquished by <u>[Signature]</u>		Company <u>EETA</u>		Date/Time <u>12/18/23</u>		Received by <u>[Signature]</u>		Company		Date/Time <u>12/18/23</u> <u>1518</u>
Relinquished by		Company		Date/Time		Received by		Company		Date/Time
Relinquished by		Company		Date/Time		Received in Laboratory by		Company		Date/Time



# Chain of Custody Record 719228




Environment Testing  
America

Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other:

TAL-8210

Client Contact		Project Manager: <i>Diana MacKler</i>		Site Contact:		Date:		COC No:	
Company Name: <i>Midwest Generation EME LLC</i>		Tel/Email:		Lab Contact:		Carri		_____ of _____ COCs	
Address:		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>TDS, F, Cl, SO4</i> <i>Metals 14 elements + Hg</i>		 500-243693 COC		Sampler:	
City/State/Zip: <i>Joliet, IL</i>								For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____	
Phone:								Job / SDG No.: <i>500-243693</i>	
Fax:								Sample Specific Notes:	
Project Name: <i>Joliet #9 CCR</i>									
Site: <i>4R23 GW + Turbidity</i>									
P O #									

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	TDS, F, Cl, SO4	Metals 14 elements + Hg
<i>G30S</i>	<i>12/19/23</i>	<i>0908</i>	<i>W</i>	<i>5</i>				<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>
<i>R32S</i>	<i>12/19/23</i>	<i>1101</i>	<i>W</i>	<i>5</i>				<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>
<i>T13S</i>	<i>12/19/23</i>	<i>1208</i>	<i>W</i>	<i>5</i>				<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>
<i>DUP of T13S</i>	<i>12/19/23</i>	<i>1208</i>	<i>W</i>	<i>5</i>				<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>
<i>G44S</i>	<i>12/19/23</i>	<i>1339</i>	<i>W</i>	<i>5</i>				<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>

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

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

Non-Hazard   
  Flammable   
  Skin Irritant   
  Poison B   
  Unknown

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

Return to Client   
  Disposal by Lab   
  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:

*0.9+0.0, 4.4+4.2*

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Cor'd: _____		Therm ID No.:	
Relinquished by: <i>[Signature]</i>	Company: <i>EETA</i>	Date/Time: <i>12/19/23 1507</i>	Received by:	Company:	Date/Time:		
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:		
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: <i>Stephanie Hernandez</i>	Company: <i>EETA</i>	Date/Time: <i>12/19/23 1507</i>		

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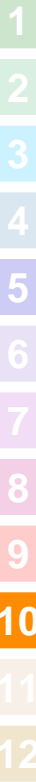


# Chain of Custody Record



Environment Testing

<b>Client Information (Sub Contract Lab)</b>		Sampler:	Lab PM	Carmer Tracking No(s):	COC No.
Client Contact:		Mockler, Diana J	Mockler, Diana J		500-182706 1
Shipping/Receiving		Phone:	E-Mail:	State of Origin:	Page:
Company:			Diana.Mockler@eurofins.com	Illinois	Page 1 of 1
TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #	500-243693-2
Address:		Due Date Requested:	Preservation Codes:		
13715 Rider Trail North,		12/21/2023	A - HCL 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)		
City:		TAT Requested (days):	Analysis Requested		
Earth City			Total Number of containers		
State, Zip:		PO #:	903.0/PrecSep_21 Standard Target List		
MO, 63045		WO #:	904.0/PrecSep_0 Standard Target List		
Phone:		Project #:	Form MS/MSD (Yes or No)		
314-298-8566(Tel) 314-298-8757(Fax)		50011504	Field Filtered Sample (Yes or No)		
Email:		SSOW#:	R226Ra228_GFPc		
Project Name:		Joliet #9 (Quarry) CCR	Special Instructions/Note:		
Joliet #9 (Quarry) CCR			Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;		
Site:		NRG Midwest Generation LSQ Joliet #9 CCR	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;		
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=swab, BI=Tissue, A=Air)
G20S (500-243693-1)	12/11/23	10:08 Central		Water	Water
G31S (500-243693-2)	12/11/23	14:22 Central		Water	Water
<p>Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.</p>					
<b>Possible Hazard Identification</b>					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify)					
Primary Deliverable Rank: 2					
Empty Kit Relinquished by:					
Relinquished by: <i>Chris Scott</i>					
Date/Time: 12/21/23 1600					
Relinquished by: <i>M. Pinette</i>					
Date/Time: DEC 13 2023 0915					
Relinquished by:					
Date/Time:					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Custody Seal No.:					
Cooler Temperature(s) °C and Other Remarks:					



# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-243693-1

**Login Number: 243693**

**List Number: 1**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	4.2,3.7,0.7,2.6,3.0,5.3,3.4,0.8,4.2,2.9
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 <math><6\text{mm}</math> (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 4Q23

Job ID: 500-243693-1

## Client Sample ID: G20S

Date Collected: 12/11/23 10:08

Date Received: 12/11/23 15:25

## Lab Sample ID: 500-243693-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 18:21
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 16:20
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 15:21
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 07:46
Total/NA	Analysis	SM 2540C		1	746384	CLB	EET CHI	12/12/23 20:18
Total/NA	Analysis	SM 4500 CI- E		1	747082	TR	EET CHI	12/17/23 11:48
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 17:54
Total/NA	Analysis	SM 4500 SO4 E		10	748677	TR	EET CHI	12/31/23 17:13
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/11/23 10:08

## Client Sample ID: G31S

Date Collected: 12/11/23 14:22

Date Received: 12/11/23 15:25

## Lab Sample ID: 500-243693-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 18:40
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 16:44
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 15:41
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 07:49
Total/NA	Analysis	SM 2540C		1	746384	CLB	EET CHI	12/12/23 20:21
Total/NA	Analysis	SM 4500 CI- E		10	747082	TR	EET CHI	12/17/23 12:26
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 18:01
Total/NA	Analysis	SM 4500 SO4 E		20	748771	TR	EET CHI	01/02/24 12:46
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/11/23 14:22

## Client Sample ID: T02S

Date Collected: 12/12/23 09:34

Date Received: 12/12/23 14:40

## Lab Sample ID: 500-243693-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 18:44
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 16:48
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:00

Eurofins Chicago

# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Client Sample ID: T02S

Date Collected: 12/12/23 09:34

Date Received: 12/12/23 14:40

## Lab Sample ID: 500-243693-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 15:20
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 07:51
Total/NA	Analysis	SM 2540C		1	746384	CLB	EET CHI	12/12/23 20:23
Total/NA	Analysis	SM 4500 CI- E		10	747082	TR	EET CHI	12/17/23 15:27
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 18:06
Total/NA	Analysis	SM 4500 SO4 E		20	748935	TR	EET CHI	01/02/24 16:40
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/12/23 09:34

## Client Sample ID: T03S

Date Collected: 12/12/23 11:04

Date Received: 12/12/23 14:40

## Lab Sample ID: 500-243693-4

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 18:48
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 16:51
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:04
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 15:24
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 07:53
Total/NA	Analysis	SM 2540C		1	746384	CLB	EET CHI	12/12/23 20:26
Total/NA	Analysis	SM 4500 CI- E		10	747082	TR	EET CHI	12/17/23 15:27
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 18:10
Total/NA	Analysis	SM 4500 SO4 E		20	748935	TR	EET CHI	01/02/24 16:40
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/12/23 11:04

## Client Sample ID: T09S

Date Collected: 12/12/23 12:45

Date Received: 12/12/23 14:40

## Lab Sample ID: 500-243693-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 18:59
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 16:55
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:07
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 15:32

Eurofins Chicago

# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Client Sample ID: T09S

## Lab Sample ID: 500-243693-5

Date Collected: 12/12/23 12:45

Matrix: Water

Date Received: 12/12/23 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 07:55
Total/NA	Analysis	SM 2540C		1	746384	CLB	EET CHI	12/12/23 20:29
Total/NA	Analysis	SM 4500 CI- E		2	747082	TR	EET CHI	12/17/23 15:27
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 18:25
Total/NA	Analysis	SM 4500 SO4 E		50	748771	TR	EET CHI	01/02/24 13:23
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/12/23 12:45

## Client Sample ID: T01S

## Lab Sample ID: 500-243693-6

Date Collected: 12/13/23 09:45

Matrix: Water

Date Received: 12/13/23 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:03
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 16:58
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:11
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 15:35
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 07:57
Total/NA	Analysis	SM 2540C		1	747027	CLB	EET CHI	12/18/23 00:35
Total/NA	Analysis	SM 4500 CI- E		10	747082	TR	EET CHI	12/17/23 15:28
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 18:30
Total/NA	Analysis	SM 4500 SO4 E		50	748771	TR	EET CHI	01/02/24 13:22
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/13/23 09:45

## Client Sample ID: T08S

## Lab Sample ID: 500-243693-7

Date Collected: 12/14/23 09:35

Matrix: Water

Date Received: 12/14/23 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:06
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:02
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:15
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 15:39
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 07:59

Eurofins Chicago

# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Client Sample ID: T08S

## Lab Sample ID: 500-243693-7

Date Collected: 12/14/23 09:35

Matrix: Water

Date Received: 12/14/23 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	747027	CLB	EET CHI	12/18/23 00:43
Total/NA	Analysis	SM 4500 Cl- E		10	747082	TR	EET CHI	12/17/23 15:26
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 18:34
Total/NA	Analysis	SM 4500 SO4 E		50	748771	TR	EET CHI	01/02/24 13:22
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/14/23 09:35

## Client Sample ID: T06S

## Lab Sample ID: 500-243693-8

Date Collected: 12/14/23 11:35

Matrix: Water

Date Received: 12/14/23 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:10
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:05
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:46
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 15:43
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:06
Total/NA	Analysis	SM 2540C		1	747027	CLB	EET CHI	12/18/23 00:48
Total/NA	Analysis	SM 4500 Cl- E		1	747082	TR	EET CHI	12/17/23 15:03
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 18:38
Total/NA	Analysis	SM 4500 SO4 E		5	748771	TR	EET CHI	01/02/24 12:19
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/14/23 11:35

## Client Sample ID: T05S

## Lab Sample ID: 500-243693-9

Date Collected: 12/14/23 13:25

Matrix: Water

Date Received: 12/14/23 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:14
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:15
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:50
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		20	749594	RN	EET CHI	01/08/24 15:47
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:08
Total/NA	Analysis	SM 2540C		1	747027	CLB	EET CHI	12/18/23 00:51
Total/NA	Analysis	SM 4500 Cl- E		10	747082	TR	EET CHI	12/17/23 15:28

Eurofins Chicago

# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: T05S**

**Lab Sample ID: 500-243693-9**

Date Collected: 12/14/23 13:25

Matrix: Water

Date Received: 12/14/23 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 18:53
Total/NA	Analysis	SM 4500 SO4 E		50	748771	TR	EET CHI	01/02/24 13:22
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/14/23 13:25

**Client Sample ID: G33S**

**Lab Sample ID: 500-243693-10**

Date Collected: 12/15/23 09:30

Matrix: Water

Date Received: 12/15/23 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:18
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:19
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:54
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 16:11
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:16
Total/NA	Analysis	SM 2540C		1	747027	CLB	EET CHI	12/18/23 00:53
Total/NA	Analysis	SM 4500 CI- E		1	747082	TR	EET CHI	12/17/23 15:02
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 19:00
Total/NA	Analysis	SM 4500 SO4 E		5	748771	TR	EET CHI	01/02/24 12:19
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/15/23 09:30

**Client Sample ID: G39S**

**Lab Sample ID: 500-243693-11**

Date Collected: 12/18/23 09:27

Matrix: Water

Date Received: 12/18/23 15:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:22
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:22
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 16:58
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 16:22
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:18
Total/NA	Analysis	SM 2540C		1	747193	CLB	EET CHI	12/18/23 18:57
Total/NA	Analysis	SM 4500 CI- E		1	747850	TR	EET CHI	12/21/23 18:36
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 19:04
Total/NA	Analysis	SM 4500 SO4 E		1	748771	TR	EET CHI	01/02/24 12:47

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# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Client Sample ID: G39S

Date Collected: 12/18/23 09:27

Date Received: 12/18/23 15:18

## Lab Sample ID: 500-243693-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/18/23 09:27

## Client Sample ID: T11S

Date Collected: 12/18/23 10:20

Date Received: 12/18/23 15:18

## Lab Sample ID: 500-243693-12

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:26
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:26
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:02
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 16:26
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:20
Total/NA	Analysis	SM 2540C		1	747193	CLB	EET CHI	12/18/23 19:06
Total/NA	Analysis	SM 4500 CI- E		1	747850	TR	EET CHI	12/21/23 18:36
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 19:09
Total/NA	Analysis	SM 4500 SO4 E		20	748771	TR	EET CHI	01/02/24 13:23
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/18/23 10:20

## Client Sample ID: G47S

Date Collected: 12/18/23 11:31

Date Received: 12/18/23 15:18

## Lab Sample ID: 500-243693-13

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:29
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:29
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:05
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 16:30
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:23
Total/NA	Analysis	SM 2540C		1	747193	CLB	EET CHI	12/18/23 19:12
Total/NA	Analysis	SM 4500 CI- E		10	747850	TR	EET CHI	12/21/23 19:00
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 19:24
Total/NA	Analysis	SM 4500 SO4 E		50	748771	TR	EET CHI	01/02/24 13:21
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/18/23 11:31



# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G48S**

**Lab Sample ID: 500-243693-14**

**Date Collected: 12/18/23 12:45**

**Matrix: GW**

**Date Received: 12/18/23 15:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:33
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:33
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:09
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 16:34
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:25
Total/NA	Analysis	SM 2540C		1	747193	CLB	EET CHI	12/18/23 19:15
Total/NA	Analysis	SM 4500 CI- E		10	747850	TR	EET CHI	12/21/23 19:00
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 19:28
Total/NA	Analysis	SM 4500 SO4 E		20	748771	TR	EET CHI	01/02/24 12:45
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/18/23 12:45

**Client Sample ID: T12S**

**Lab Sample ID: 500-243693-15**

**Date Collected: 12/18/23 14:04**

**Matrix: Water**

**Date Received: 12/18/23 15:18**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:44
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:36
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:38
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 17:00
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:31
Total/NA	Analysis	SM 2540C		1	747193	CLB	EET CHI	12/18/23 19:18
Total/NA	Analysis	SM 4500 CI- E		2	747850	TR	EET CHI	12/21/23 19:00
Total/NA	Analysis	SM 4500 F C		1	747509	SO	EET CHI	12/19/23 19:41
Total/NA	Analysis	SM 4500 SO4 E		20	748771	TR	EET CHI	01/02/24 12:45
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/18/23 14:04

**Client Sample ID: G30S**

**Lab Sample ID: 500-243693-16**

**Date Collected: 12/19/23 09:08**

**Matrix: GW**

**Date Received: 12/19/23 15:07**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:48

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# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: G30S**

**Lab Sample ID: 500-243693-16**

Date Collected: 12/19/23 09:08

Matrix: GW

Date Received: 12/19/23 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:39
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:42
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 17:04
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:33
Total/NA	Analysis	SM 2540C		1	747450	CLB	EET CHI	12/19/23 20:54
Total/NA	Analysis	SM 4500 Cl- E		10	747850	TR	EET CHI	12/21/23 19:00
Total/NA	Analysis	SM 4500 F C		1	749028	SO	EET CHI	01/03/24 10:56
Total/NA	Analysis	SM 4500 SO4 E		50	748771	TR	EET CHI	01/02/24 13:21
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/19/23 09:08

**Client Sample ID: R32S**

**Lab Sample ID: 500-243693-17**

Date Collected: 12/19/23 11:01

Matrix: GW

Date Received: 12/19/23 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:52
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:43
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:45
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 16:45
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:35
Total/NA	Analysis	SM 2540C		1	747450	CLB	EET CHI	12/19/23 21:03
Total/NA	Analysis	SM 4500 Cl- E		1	747850	TR	EET CHI	12/21/23 18:36
Total/NA	Analysis	SM 4500 F C		1	749028	SO	EET CHI	01/03/24 10:33
Total/NA	Analysis	SM 4500 SO4 E		20	748771	TR	EET CHI	01/02/24 12:45
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/19/23 11:01

**Client Sample ID: T13S**

**Lab Sample ID: 500-243693-18**

Date Collected: 12/19/23 12:08

Matrix: Water

Date Received: 12/19/23 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 19:56
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:46

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# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Client Sample ID: T13S

Date Collected: 12/19/23 12:08

Date Received: 12/19/23 15:07

## Lab Sample ID: 500-243693-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:49
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 16:49
Total/NA	Prep	7470A			748249	MJG	EET CHI	12/27/23 12:30 - 12/27/23 14:30 <sup>1</sup>
Total/NA	Analysis	7470A		1	748389	MJG	EET CHI	12/28/23 08:37
Total/NA	Analysis	SM 2540C		1	747450	CLB	EET CHI	12/19/23 21:08
Total/NA	Analysis	SM 4500 CI- E		1	747850	TR	EET CHI	12/21/23 18:37
Total/NA	Analysis	SM 4500 F C		1	749028	SO	EET CHI	01/03/24 11:00
Total/NA	Analysis	SM 4500 SO4 E		10	748771	TR	EET CHI	01/02/24 12:44
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/19/23 12:08

## Client Sample ID: T13S Dup

Date Collected: 12/19/23 12:08

Date Received: 12/19/23 15:07

## Lab Sample ID: 500-243693-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 20:00
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 17:57
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:53
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 16:53
Total/NA	Prep	7470A			748407	MJG	EET CHI	12/28/23 14:20 - 12/28/23 16:20 <sup>1</sup>
Total/NA	Analysis	7470A		1	748531	MJG	EET CHI	12/29/23 07:52
Total/NA	Analysis	SM 2540C		1	747450	CLB	EET CHI	12/19/23 21:11
Total/NA	Analysis	SM 4500 CI- E		1	747850	TR	EET CHI	12/21/23 18:37
Total/NA	Analysis	SM 4500 F C		1	749028	SO	EET CHI	01/03/24 11:04
Total/NA	Analysis	SM 4500 SO4 E		10	748771	TR	EET CHI	01/02/24 12:44
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/19/23 12:08

## Client Sample ID: G44S

Date Collected: 12/19/23 13:39

Date Received: 12/19/23 15:07

## Lab Sample ID: 500-243693-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748512	RN	EET CHI	12/22/23 20:03
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748679	RN	EET CHI	12/29/23 18:00
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	748874	RN	EET CHI	01/02/24 17:57

Eurofins Chicago

# Lab Chronicle

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

## Client Sample ID: G44S

Date Collected: 12/19/23 13:39

Date Received: 12/19/23 15:07

## Lab Sample ID: 500-243693-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747852	MC	EET CHI	12/21/23 19:31 - 12/22/23 00:31 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 16:56
Total/NA	Prep	7470A			748407	MJG	EET CHI	12/28/23 14:20 - 12/28/23 16:20 <sup>1</sup>
Total/NA	Analysis	7470A		1	748531	MJG	EET CHI	12/29/23 07:55
Total/NA	Analysis	SM 2540C		1	747450	CLB	EET CHI	12/19/23 21:14
Total/NA	Analysis	SM 4500 CI- E		2	747850	TR	EET CHI	12/21/23 19:01
Total/NA	Analysis	SM 4500 F C		1	749028	SO	EET CHI	01/03/24 11:22
Total/NA	Analysis	SM 4500 SO4 E		10	748771	TR	EET CHI	01/02/24 12:44
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/19/23 13:39

## Client Sample ID: G46S

Date Collected: 12/20/23 09:42

Date Received: 12/20/23 12:35

## Lab Sample ID: 500-243693-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749056	RN	EET CHI	01/03/24 20:05
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749452	RN	EET CHI	01/05/24 17:22
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 17:23
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 17:38
Total/NA	Prep	7470A			748407	MJG	EET CHI	12/28/23 14:20 - 12/28/23 16:20 <sup>1</sup>
Total/NA	Analysis	7470A		1	748531	MJG	EET CHI	12/29/23 07:57
Total/NA	Analysis	SM 2540C		1	747668	CLB	EET CHI	12/20/23 21:00
Total/NA	Analysis	SM 4500 CI- E		2	748435	TR	EET CHI	12/28/23 11:07
Total/NA	Analysis	SM 4500 F C		1	749028	SO	EET CHI	01/03/24 11:26
Total/NA	Analysis	SM 4500 SO4 E		50	748771	TR	EET CHI	01/02/24 13:21
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/20/23 09:42

## Client Sample ID: R08S

Date Collected: 12/20/23 10:37

Date Received: 12/20/23 12:35

## Lab Sample ID: 500-243693-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749056	RN	EET CHI	01/03/24 20:09
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749452	RN	EET CHI	01/05/24 17:26
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 17:27
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	749594	RN	EET CHI	01/08/24 17:42

Eurofins Chicago

# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-1

**Client Sample ID: R08S**

**Lab Sample ID: 500-243693-22**

Date Collected: 12/20/23 10:37

Matrix: Water

Date Received: 12/20/23 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			748407	MJG	EET CHI	12/28/23 14:20 - 12/28/23 16:20 <sup>1</sup>
Total/NA	Analysis	7470A		1	748531	MJG	EET CHI	12/29/23 07:59
Total/NA	Analysis	SM 2540C		1	747668	CLB	EET CHI	12/20/23 21:07
Total/NA	Analysis	SM 4500 CI- E		2	748435	TR	EET CHI	12/28/23 11:08
Total/NA	Analysis	SM 4500 F C		1	749028	SO	EET CHI	01/03/24 11:31
Total/NA	Analysis	SM 4500 SO4 E		20	748771	TR	EET CHI	01/02/24 12:43
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/20/23 10:37

**Client Sample ID: G45S**

**Lab Sample ID: 500-243693-23**

Date Collected: 12/20/23 11:29

Matrix: Water

Date Received: 12/20/23 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749056	RN	EET CHI	01/03/24 20:13
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749452	RN	EET CHI	01/05/24 17:29
Total Recoverable	Prep	3005A			747992	BDE	EET CHI	12/22/23 09:26 - 12/22/23 15:26 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	749594	RN	EET CHI	01/08/24 17:31
Total/NA	Prep	7470A			748407	MJG	EET CHI	12/28/23 14:20 - 12/28/23 16:20 <sup>1</sup>
Total/NA	Analysis	7470A		1	748531	MJG	EET CHI	12/29/23 08:01
Total/NA	Analysis	SM 2540C		1	747668	CLB	EET CHI	12/20/23 21:13
Total/NA	Analysis	SM 4500 CI- E		10	748435	TR	EET CHI	12/28/23 11:09
Total/NA	Analysis	SM 4500 F C		1	749028	SO	EET CHI	01/03/24 11:36
Total/NA	Analysis	SM 4500 SO4 E		10	748771	TR	EET CHI	01/02/24 12:47
Total/NA	Analysis	Field Sampling		1	746654	JVB	EET CHI	12/20/23 11:29

<sup>1</sup> 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



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 #: 500-2431A3-1

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/11/23 Start Purge: 0950 End Purge: 1008  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.78 (ft) pH 7.33 7.36 7.36 (std.)  
Ref. Measuring Pt. TIC SC 703 698 698 (umhos/cm)  
Well Elevation \*580.87 (ft./msl) Temp. 6.69 6.67 6.67 (°C)  
Water Level 54.10 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 526.77 (ft./msl)  
Well Bottom Elevation \*442.28 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Slight Odor  
Weather Conditions: 30°F, Cloudy, SW winds e 5-10 mph  
Turbidity: 1.40 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 54.10 - 2.78 = 51.32 (ft)  
Levels were taken on 0940 @ 12/11/23  
  
  
  
  
(Updated: 07/14/2022 )

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243693-2

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/11/23 Start Purge: 1404 End Purge: 1422  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.81

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.58 (ft) pH 7.47 7.46 7.46 (std.)  
Ref. Measuring Pt. TIC SC 1650 1650 1650 (umhos/cm)  
Well Elevation \*535.73 (ft./msl) Temp. 12.90 12.88 12.88 (°C)  
Water Level 30.96 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 504.77 (ft./msl)  
Well Bottom Elevation \*453.36 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Slight Odor  
Weather Conditions: 37°F, Sunny, SW winds @ 5-10 mph  
Turbidity: 1.65 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 30.96 - 2.58 = 28.38 (ft.)  
Levels were taken on 12/11/23 @ 1400

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 500-243193-3

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)

**PURGING INFORMATION**

Purge Date: 12/12/23 Start Purge: 0915 End Purge: 0934  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.33 (ft) pH 7.59 7.60 7.60 (std.)  
Ref. Measuring Pt. TIC SC 1,397 1,398 1,398 (umhos/cm)  
Well Elevation \* 626.12 (ft./msl) Temp. 7.48 7.49 7.49 (°C)  
Water Level 138.00 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 488.12 (ft./msl)  
Well Bottom Elevation \* 453.40 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor  
Weather Conditions: 32°F, Sunny, Winds e 10-15 mph  
Turbidity: 38.90 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 138.00 - 2.33 = 135.67 (ft.)  
Levels were taken on 12/12/23 @ 0900  
\* Total Depth = 172.75

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





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 #: 500-243693-4

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/12/23 Start Purge: 1043 End Purge: 1104  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.54

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 3.08 (ft) pH 7.45 7.42 7.42 (std.)  
Ref. Measuring Pt. TIC SC 1,311 1,318 1,318 (umhos/cm)  
Well Elevation \* 629.85 (ft./msl) Temp. 10.84 10.84 10.84 (°C)  
Water Level 142.03 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 487.82 (ft./msl)  
Well Bottom Elevation \* 456.70 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor  
Weather Conditions: 35°F, Sunny, NW wind SE 10-15 mph  
Turbidity: 1.23 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 142.03 - 3.08 = 138.95 ft.  
Levels were taken on 12/12/23 @ 1038.  
\* Total Depth = 172.95

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 500-243193-5

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)

**PURGING INFORMATION**

Purge Date: 12/12/23 Start Purge: 1225 End Purge: 1245  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.40 (ft) pH 7.55 7.57 7.57 (std.)  
Ref. Measuring Pt. TIC SC 1279 1280 1280 (umhos/cm)  
Well Elevation \* 603.48 (ft./msl) Temp. 7.79 7.80 7.80 (°C)  
Water Level 109.95 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 493.53 (ft./msl) 


  
Well Bottom Elevation \* 444.80 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor  
Weather Conditions: 37°F, Sunny, W winds 10-15 mph  
Turbidity: 52.10 NTU

Other: \*Reference Measurement (updated 02/19/14)  
Depth To Water from L.S. = 109.95 - 2.40 = 107.55 (ft.)  
Levels were taken on 12/12/23 @ 1210  
\* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 500-243693-6

Type Sample: (circle one) Ground Water Surface Water Leachate Other: \_\_\_\_\_  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)

**PURGING INFORMATION**

Purge Date: 12/13/23 Start Purge: 0928 End Purge: 0945  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.22

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.48 (ft) pH 7.44 7.45 7.45 (std.)  
Ref. Measuring Pt. TIC SC 1419 1418 1418 (umhos/cm)  
Well Elevation \* 621.84 (ft./msl) Temp. 7.13 7.15 7.15 (°C)  
Water Level 125.53 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 496.31 (ft./msl)  
Well Bottom Elevation \* 451.46 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Gray, Moderate Turbidity, Slight Odor  
Weather Conditions: 28°F, Sunny, SW winds @ 0-5 mph  
Turbidity: 103.10 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 125.53 - 2.48 = 123.05 (ft.)  
Levels were taken on 12/13/23 @ 0913  
\* Total Depth = 170.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 500-243693-7

Type Sample: (circle one) Ground Water Surface Water Leachate Other: \_\_\_\_\_  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)

**PURGING INFORMATION**

Purge Date: 12/14/23 Start Purge: 0919 End Purge: 0935  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.38 (ft) pH 7.96 7.99 7.99 (std.)  
Ref. Measuring Pt. TIC SC 1466 1472 1472 (umhos/cm)  
Well Elevation \* 627.55 (ft./msl) Temp. 11.14 11.12 11.12 (°C)  
Water Level 133.18 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 494.37 (ft./msl)  
Well Bottom Elevation \* 447.38 (ft./msl)

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**COMMENTS**

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor  
Weather Conditions: 33°F, Sunny, SW winds 0-5 mph  
Turbidity: 4.94 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 133.18 - 2.38 = 130.80 (ft)  
Levels were taken on 12/14/23 @ 0904.  
\* Total Deth = 180.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 500-243193-8

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)

**PURGING INFORMATION**

Purge Date: 12/14/23 Start Purge: 1120 End Purge: 1135  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

**MEASUREMENTS**

Well Diameter 2.0 (inches)      1st      2nd      Final  
Stick Up 2.30 (ft)      pH 7.29 7.30 7.30 (std.)  
Ref. Measuring Pt. TIC      SC 798 800 800 (umhos/cm)  
Well Elevation \* 621.05 (ft./msl)      Temp. 14.47 14.48 14.48 (°C)  
Water Level 119.83 (ft.)      Well Stabilization / Recharge Grid  
Ground Water Elev. 501.22 (ft./msl)      


  
Well Bottom Elevation \* 447.94 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 43°F, Sunny, SW winds 5-10 mph  
Turbidity: 2.15 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 119.83 - 2.30 = 117.53 (ft.)  
Levels were taken on 12/14/23 @ 1105.  
\* Total Deth = 173.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 500-243693-9

Type Sample: (circle one) Ground Water Surface Water Leachate Other: \_\_\_\_\_  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)

**PURGING INFORMATION**

Purge Date: 12/14/23 Start Purge: 1303 End Purge: 1325  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.71

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.40 (ft) pH 9.25 9.26 9.26 (std.)  
Ref. Measuring Pt. TIC SC 2330 2330 2330 (umhos/cm)  
Well Elevation \* 623.50 (ft./msl) Temp. 14.80 14.76 14.76 (°C)  
Water Level 126.87 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 496.63 (ft./msl)  
Well Bottom Elevation \* 448.35 (ft./msl)

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**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Moderate Odor  
Weather Conditions: 50°F, Sunny, SW winds @ 5-10 mph  
Turbidity: 4.53 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 126.87 - 2.40 = 124.47 (ft.)  
Levels were taken on 12/14/23 @ 1248  
\* Total Deth = 175.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243693-10

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: 12-15-23 Start Purge: 0908 End Purge: 0930  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 1.73 (ft) pH 7.16 (std.)  
Ref. Measuring Pt. TIC SC 721 (umhos/cm)  
Well Elevation \*535.67 (ft./msl) Temp. 20.90 (°C)  
Water Level 40.65 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 495.02 (ft./msl)  
Well Bottom Elevation \*452.72 (ft./msl)

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**COMMENTS**

Sample Appearance/Odor: <sup>JR</sup> ~~Gray~~ Clear, slight turbidity, no odor  
Weather Conditions: 37°F, Cloudy, South winds @ 6 mph  
Turbidity: 54.40 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 40.65 - 1.73 = 38.92 (ft.)  
Levels were taken on 12-15-23 @ 0900  
\* Lab performed for pH/SC/temp.

(Updated: 07/14/2022)

Sampler Name (Print): James Reed Signature: [Signature]



Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G39S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243193-11

Type Sample: (circle one) Ground Water Surface Water Leachate Other: \_\_\_\_\_  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/18/23 Start Purge: 0907 End Purge: 0927  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.08 (ft) pH 7.10 7.11 7.11 (std.)  
Ref. Measuring Pt. TIC SC 924 932 932 (umhos/cm)  
Well Elevation \*598.75 (ft./msl) Temp. 10.22 10.23 10.23 (°C)  
Water Level 96.71 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 502.04 (ft./msl)  
Well Bottom Elevation \*454.15 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 31°F, Mostly Cloudy, NW winds @ 15-20 mph  
Turdity 11.60 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 96.71 - 2.08 = 94.63 (ft)  
Levels were taken on 12/18/23 @ 0900

(Updated: 09-19-2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]





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 #: 500-243193-12

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N) (N)

**PURGING INFORMATION**

Purge Date: 12/18/23 Start Purge: 1004 End Purge: 1020  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.74 (ft) pH 7.40 7.44 7.44 (std.)  
Ref. Measuring Pt. TIC SC 959 956 956 (umhos/cm)  
Well Elevation \* 559.48 (ft./msl) Temp. 7.25 7.44 7.44 (°C)  
Water Level 74.83 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 484.65 (ft./msl)  
Well Bottom Elevation \* 445.60 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor  
Weather Conditions: 30°F, Mostly Cloudy/Wind, NW whds e 20-25 mph  
Turbidity 76.40 NTU  
Other: \*Reference Measurement (updated 02/19/14)  
Depth To Water from L.S. = 74.83 - 2.74 = 72.09 (ft.)  
Levels were taken on 12/18/23 @ 0949  
\* Total Depth: 113.76

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243193-13

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/18/23 Start Purge: 1111 End Purge: 1131  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

**MEASUREMENTS**

Well Diameter 4.0 (inches) 1st 2nd Final  
Stick Up 2.50 (ft) pH 8.50 8.52 8.52 (std.)  
Ref. Measuring Pt. TIC SC 1570 1580 1580 (umhos/cm)  
Well Elevation \*612.23 (ft./msl) Temp. 8.55 8.54 8.54 (°C)  
Water Level 95.82 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 516.41 (ft./msl)  
Well Bottom Elevation \*459.84 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Slight Odor  
Weather Conditions: 30°F, Cloudy, <sup>WS.</sup> S/NW winds e 15-20 mph  
Turbidity: 1.15 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 95.82 - 2.50 = 93.32 (ft)  
Levels were taken on 12/18/23 @ 1106

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 500-243693-14

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/18/23 Start Purge: 1230 End Purge: 1248  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

**MEASUREMENTS**

Well Diameter 4.0 (inches) 1st 2nd Final  
Stick Up 2.45 (ft) pH 8.08 8.11 8.11 (std.)  
Ref. Measuring Pt. TIC SC 1433 1434 1434 (umhos/cm)  
Well Elevation \*620.77 (ft./msl) Temp. 9.12 9.08 9.08 (°C)  
Water Level 104.71 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 516.06 (ft./msl)  
Well Bottom Elevation \*468.32 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Moderate Odor  
Weather Conditions: 31°F, Cloudy/Wind, NW winds @ 15-20 mph  
Turbidity: 2.61 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 104.71 - 2.45 = 102.26 (A)  
Levels were taken on 12/18/23 @ 1225

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T12S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243193-15

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)

Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
 Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/18/23 Start Purge: 1350 End Purge: 1404  
(2400 Hr. Clock)

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

**MEASUREMENTS**

Well Diameter 2.0 (inches)      1st      2nd      Final

Stick Up 2.74 (ft)      pH 7.68 7.69 7.69 (std.)

Ref. Measuring Pt. TIC      SC 1131 1132 1132 (umhos/cm)

Well Elevation \* 578.74 (ft./msl)      Temp. 11.26 11.27 11.27 (°C)

Water Level 74.75 (ft.)      Well Stabilization / Recharge Grid

Ground Water Elev. 503.99 (ft./msl)

Well Bottom Elevation \* 452.24 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Tan, Moderate Turbidity,

Weather Conditions: 29°F, Cloudy, NW winds 15-20 mph

Turbidity: 87.30 NTU

Other: \*Reference Measurement (form added 05/08/2023)

Depth To Water from L.S. = 74.75 - 2.74 = 72.01 (ft)

Levels were taken on 12/18/23 @ 1345

\* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 560-243693-16

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: 12/19/23 Start Purge: 0850 End Purge: 0908  
 (2400 Hr. Clock)  
 Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

**MEASUREMENTS**

Well Diameter 2.0 (inches)      1st      2nd      Final  
 Stick Up 2.31 (ft)      pH 7.85 7.88 7.88 (std.)  
 Ref. Measuring Pt. TIC      SC 1890 1890 1890 (umhos/cm)  
 Well Elevation \*524.86 (ft./msl)      Temp. 3.57 3.58 3.58 (°C)  
 Water Level 2.10 (ft.)      Well Stabilization / Recharge Grid  
 Ground Water Elev. 522.76 (ft./msl)      


  
 Well Bottom Elevation \*462.58 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Moderate odor  
 Weather Conditions: 21°F, Sunny, SW winds @ 0-5 mph  
 Turbidity: 3.05 NTU  
 Other: \*Reference Measurement  
 Depth To Water from L.S. = 2.10 - 2.31 = -0.21 (ft.)  
 Levels were taken on 12/19/23 @ 0845

(Updated: 07/14/2022 )

Sampler Name (Print): Noe Lopez Signature: [Signature]



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 #: 500-243693-17

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: 12/19/23 Start Purge: 1042 End Purge: 1101  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.03 (ft) pH 7.43 7.43 7.43 (std.)  
Ref. Measuring Pt. TIC SC 779 783 783 (umhos/cm)  
Well Elevation \*536.97 (ft./msl) Temp. 10.84 10.80 10.80 (°C)  
Water Level 22.74 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 514.23 (ft./msl)  
Well Bottom Elevation \*457.84 (ft./msl)

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**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 29°F, Sunny, SW winds e 5-10 mph  
Turbidity: 2.10 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 22.74 - 2.03 = 20.71 (ft.)  
Levels were taken on 12/19/23 @ 1037

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243193-18

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/19/23 Start Purge: 1152 End Purge: 1208  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.76 (ft) pH 7.36 7.37 7.37 (std.)  
Ref. Measuring Pt. TIC SC 945 950 950 (umhos/cm)  
Well Elevation \* 525.33 (ft./msl) Temp. 10.81 10.74 10.74 (°C)  
Water Level 20.31 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 505.02 (ft./msl)  
Well Bottom Elevation \* 452.21 (ft./msl)

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**COMMENTS**

Sample Appearance/Odor: Gray, Moderate Turbidity, Slight Odor  
No Odor  
Weather Conditions: 30°F, Fair, SW winds e 5-10 mph  
Turbidity: 90.70 NTU  
Other: \*Reference Measurement (form added 05/08/2023)  
Depth To Water from L.S. = 20.31 - 2.76 = 17.55 (ft)  
Levels were taken on 12/19/23 @ 1147  
\* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S Dup  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243693-19

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)

Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated (Y/N)

**PURGING INFORMATION**

Purge Date: 12/19/23 Start Purge: 1152 End Purge: 1208  
(2400 Hr. Clock)

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

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final

Stick Up 2.76 (ft) pH \_\_\_\_\_ (std.)

Ref. Measuring Pt. TIC SC \_\_\_\_\_ (umhos/cm)

Well Elevation \* 525.33 (ft./msl) Temp. \_\_\_\_\_ (°C)

Water Level \_\_\_\_\_ (ft.) Well Stabilization / Recharge Grid


Ground Water Elev. \_\_\_\_\_ (ft./msl)

Well Bottom Elevation \* 452.21 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Turbidity: NTU

Other: \*Reference Measurement (form added 05/08/2023)

Depth To Water from L.S. = \_\_\_\_\_

Levels were taken on 12/19/23 @ 1147

\* Total Depth: 73.12 (ft)

\_\_\_\_\_  
\_\_\_\_\_  
(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]





Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243193-20

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: 12/19/23 Start Purge: 1322 End Purge: 1339  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.18 (ft) pH 7.25 7.24 7.24 (std.)  
Ref. Measuring Pt. TIC sc/150 1145 1145 (umhos/cm)  
Well Elevation \*586.68 (ft./msl) Temp. 10.78 10.77 10.77 (°C)  
Water Level 83.45 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 503.23 (ft./msl)  
Well Bottom Elevation \*455.11 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 32°F, Sunny, S winds @ 10-15 mph  
Turbidity: 12.60 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 83.45 - 2.18 = 81.27 (ft.)  
Levels were taken on 12/19/23 @ 1317

(Updated: 07/14/2022 )

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

**Eurofins Chicago**

2417 Bond St  
University Park, IL 60484-3182  
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-243693-21

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)

Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
 Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/20/23 Start Purge: 0923 End Purge: 0942  
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.86

**MEASUREMENTS**

Well Diameter 4.0 (inches) 1st 2nd Final

Stick Up 2.70 (ft) pH 7.46 7.48 7.48 (std.)

Ref. Measuring Pt. TIC SC 1361 1345 1345 (umhos/cm)

Well Elevation \*601.41 (ft./msl) Temp. 12.13 12.16 12.16 (°C)

Water Level 109.48 (ft.) Well Stabilization / Recharge Grid

Ground Water Elev. 491.93 (ft./msl)

Well Bottom Elevation \*453.62 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor

Weather Conditions: 35°F, Fair, S wind 0-5 mph

Turbidity: 58.70 NTU

Other: \*Reference Measurement

Depth To Water from L.S. = 109.48 - 2.70 = 106.78 (ft.)

Levels were taken on 12/20/23 @ 0918

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





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 #: 500-243193-23

Type Sample: Ground Water Surface Water Leachate Other: \_\_\_\_\_  
(circle one)  
Equipment Used: Purging \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)  
Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 12/20/23 Start Purge: 1113 End Purge: 1129  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

**MEASUREMENTS**

Well Diameter 2.0 (inches)      1st      2nd      Final  
Stick Up 2.97 (ft)      pH 7.47 7.48 7.48 (std.)  
Ref. Measuring Pt. TIC      SC 998 1003 1003 (umhos/cm)  
Well Elevation \*603.80 (ft./msl)      Temp. 12.65 12.66 12.66 (°C)  
Water Level 66.45 (ft.)      Well Stabilization / Recharge Grid  
Ground Water Elev. 537.35 (ft./msl)      


  
Well Bottom Elevation \*471.05 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Moderate Odor  
Weather Conditions: 39°F, Sunny, SW winds 5-10 mph  
Turbidity: 1.74 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 66.45 - 2.97 = 63.48 (ft)  
Levels were taken on 12/20/23 @ 1108

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 1/22/2024 8:40:59 AM

## JOB DESCRIPTION

Joliet #9 (Quarry) CCR 4Q23

## JOB NUMBER

500-243693-2

# Eurofins Chicago

## Job Notes

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## Authorization



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1/22/2024 8:40:59 AM

Authorized for release by  
Diana Mockler, Project Manager I  
[Diana.Mockler@et.eurofinsus.com](mailto:Diana.Mockler@et.eurofinsus.com)  
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# Case Narrative

Client: Midwest Generation EME LLC  
Project: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Job ID: 500-243693-2**

**Eurofins Chicago**

## Job Narrative 500-243693-2

### Receipt

The samples were received on 12/11/2023 3:25 PM, 12/12/2023 2:40 PM, 12/13/2023 11:50 AM, 12/14/2023 3:20 PM, 12/15/2023 12:45 PM, 12/18/2023 3:18 PM, 12/19/2023 3:07 PM and 12/20/2023 12:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.7°C, 0.8°C, 2.6°C, 2.9°C, 3.0°C, 3.4°C, 3.7°C, 4.2°C, 4.2°C and 5.3°C

### Receipt Exceptions

#### Gas Flow Proportional Counter

Method 903.0: Radium-226 batch 641437

The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: G33S (500-243693-10). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 batch 641438

The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: G33S (500-243693-10). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 batch 641815

The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: T12S (500-243693-15). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 batch 642048

The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: T13S (500-243693-18). 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.

### Rad

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

Eurofins Chicago



# Method Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

#### Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

#### Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



# Sample Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-243693-1	G20S	Water	12/11/23 10:08	12/11/23 15:25
500-243693-2	G31S	Water	12/11/23 14:22	12/11/23 15:25
500-243693-3	T02S	Water	12/12/23 09:34	12/12/23 14:40
500-243693-4	T03S	GW	12/12/23 11:04	12/12/23 14:40
500-243693-5	T09S	Water	12/12/23 12:45	12/12/23 14:40
500-243693-6	T01S	Water	12/13/23 09:45	12/13/23 11:50
500-243693-7	T08S	Water	12/14/23 09:35	12/14/23 15:20
500-243693-8	T06S	Water	12/14/23 11:35	12/14/23 15:20
500-243693-9	T05S	Water	12/14/23 13:25	12/14/23 15:20
500-243693-10	G33S	Water	12/15/23 09:30	12/15/23 12:45
500-243693-11	G39S	Water	12/18/23 09:27	12/18/23 15:18
500-243693-12	T11S	GW	12/18/23 10:20	12/18/23 15:18
500-243693-13	G47S	GW	12/18/23 11:31	12/18/23 15:18
500-243693-14	G48S	GW	12/18/23 12:45	12/18/23 15:18
500-243693-15	T12S	Water	12/18/23 14:04	12/18/23 15:18
500-243693-16	G30S	GW	12/19/23 09:08	12/19/23 15:07
500-243693-17	R32S	GW	12/19/23 11:01	12/19/23 15:07
500-243693-18	T13S	Water	12/19/23 12:08	12/19/23 15:07
500-243693-19	T13S Dup	Water	12/19/23 12:08	12/19/23 15:07
500-243693-20	G44S	Water	12/19/23 13:39	12/19/23 15:07
500-243693-21	G46S	Water	12/20/23 09:42	12/20/23 12:35
500-243693-22	R08S	Water	12/20/23 10:37	12/20/23 12:35
500-243693-23	G45S	Water	12/20/23 11:29	12/20/23 12:35

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G20S**

**Lab Sample ID: 500-243693-1**

Date Collected: 12/11/23 10:08

Matrix: Water

Date Received: 12/11/23 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	0.951		0.157	0.178	1.00	0.0778	pCi/L	12/14/23 10:32	01/09/24 18:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					12/14/23 10:32	01/09/24 18:57	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	1.81		0.484	0.512	1.00	0.511	pCi/L	12/14/23 10:37	01/05/24 11:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					12/14/23 10:37	01/05/24 11:19	1
Y Carrier	79.3		30 - 110					12/14/23 10:37	01/05/24 11:19	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	2.76		0.509	0.542	5.00	0.511	pCi/L		01/11/24 17:56	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G31S**

**Lab Sample ID: 500-243693-2**

Date Collected: 12/11/23 14:22

Matrix: Water

Date Received: 12/11/23 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	1.39		0.188	0.226	1.00	0.0663	pCi/L	12/14/23 10:32	01/09/24 18:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					12/14/23 10:32	01/09/24 18:57	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	1.73		0.495	0.520	1.00	0.545	pCi/L	12/14/23 10:37	01/05/24 11:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					12/14/23 10:37	01/05/24 11:20	1
Y Carrier	76.6		30 - 110					12/14/23 10:37	01/05/24 11:20	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	3.13		0.529	0.567	5.00	0.545	pCi/L		01/11/24 17:56	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T02S**

**Lab Sample ID: 500-243693-3**

Date Collected: 12/12/23 09:34

Matrix: Water

Date Received: 12/12/23 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	1.13		0.219	0.241	1.00	0.158	pCi/L	12/15/23 08:17	01/12/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					12/15/23 08:17	01/12/24 09:31	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	0.786		0.480	0.486	1.00	0.695	pCi/L	12/15/23 08:30	01/02/24 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					12/15/23 08:30	01/02/24 11:58	1
Y Carrier	77.4		30 - 110					12/15/23 08:30	01/02/24 11:58	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.92		0.528	0.542	5.00	0.695	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T03S**

**Lab Sample ID: 500-243693-4**

Date Collected: 12/12/23 11:04

Matrix: GW

Date Received: 12/12/23 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	0.698		0.152	0.165	1.00	0.117	pCi/L	12/15/23 08:17	01/12/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					12/15/23 08:17	01/12/24 09:32	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	0.845		0.411	0.418	1.00	0.558	pCi/L	12/15/23 08:30	01/02/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					12/15/23 08:30	01/02/24 11:59	1
Y Carrier	74.8		30 - 110					12/15/23 08:30	01/02/24 11:59	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.54		0.438	0.449	5.00	0.558	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Client Sample ID: T09S

## Lab Sample ID: 500-243693-5

Date Collected: 12/12/23 12:45

Matrix: Water

Date Received: 12/12/23 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	1.34		0.203	0.236	1.00	0.107	pCi/L	12/15/23 08:17	01/12/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					12/15/23 08:17	01/12/24 09:32	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	0.932		0.432	0.440	1.00	0.578	pCi/L	12/15/23 08:30	01/02/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					12/15/23 08:30	01/02/24 11:59	1
Y Carrier	74.4		30 - 110					12/15/23 08:30	01/02/24 11:59	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	2.27		0.477	0.499	5.00	0.578	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T01S**

**Lab Sample ID: 500-243693-6**

Date Collected: 12/13/23 09:45

Matrix: Water

Date Received: 12/13/23 11:50

**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	0.670		0.141	0.154	1.00	0.0756	pCi/L	12/15/23 08:17	01/12/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.0		30 - 110					12/15/23 08:17	01/12/24 09:32	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	0.355	U	0.305	0.307	1.00	0.476	pCi/L	12/15/23 08:30	01/02/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.0		30 - 110					12/15/23 08:30	01/02/24 11:59	1
Y Carrier	84.9		30 - 110					12/15/23 08:30	01/02/24 11:59	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	1.02		0.336	0.343	5.00	0.476	pCi/L		01/19/24 16:05	1



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T08S**

**Lab Sample ID: 500-243693-7**

Date Collected: 12/14/23 09:35

Matrix: Water

Date Received: 12/14/23 15:20

**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	0.104	U	0.198	0.198	1.00	0.352	pCi/L	12/21/23 16:09	01/16/24 18:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					12/21/23 16:09	01/16/24 18:57	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	0.398	U	0.329	0.331	1.00	0.509	pCi/L	12/18/23 09:58	01/16/24 11:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					12/18/23 09:58	01/16/24 11:32	1
Y Carrier	84.1		30 - 110					12/18/23 09:58	01/16/24 11:32	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	0.502	U	0.384	0.386	5.00	0.509	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T06S**

**Lab Sample ID: 500-243693-8**

Date Collected: 12/14/23 11:35

Matrix: Water

Date Received: 12/14/23 15:20

**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	1.23		0.354	0.371	1.00	0.266	pCi/L	12/21/23 16:09	01/16/24 18:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					12/21/23 16:09	01/16/24 18:57	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	0.780		0.390	0.397	1.00	0.535	pCi/L	12/18/23 09:58	01/16/24 11:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					12/18/23 09:58	01/16/24 11:32	1
Y Carrier	80.7		30 - 110					12/18/23 09:58	01/16/24 11:32	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	2.01		0.527	0.543	5.00	0.535	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T05S**

**Lab Sample ID: 500-243693-9**

Date Collected: 12/14/23 13:25

Matrix: Water

Date Received: 12/14/23 15:20

**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	0.272	U	0.310	0.311	1.00	0.502	pCi/L	12/21/23 16:09	01/16/24 19:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					12/21/23 16:09	01/16/24 19:06	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.863		0.571	0.576	1.00	0.852	pCi/L	12/18/23 09:58	01/16/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					12/18/23 09:58	01/16/24 11:43	1
Y Carrier	79.3		30 - 110					12/18/23 09:58	01/16/24 11:43	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	1.13		0.650	0.655	5.00	0.852	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G33S**

**Lab Sample ID: 500-243693-10**

Date Collected: 12/15/23 09:30

Matrix: Water

Date Received: 12/15/23 12:45

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.852	U G	0.713	0.717	1.00	1.07	pCi/L	12/19/23 10:42	01/17/24 09:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	41.8		30 - 110					12/19/23 10:42	01/17/24 09:22	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	2.17	G	1.31	1.32	1.00	1.83	pCi/L	12/19/23 10:46	01/16/24 11:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	41.8		30 - 110					12/19/23 10:46	01/16/24 11:32	1
Y Carrier	81.1		30 - 110					12/19/23 10:46	01/16/24 11:32	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.02		1.49	1.50	5.00	1.83	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G39S**

**Lab Sample ID: 500-243693-11**

Date Collected: 12/18/23 09:27

Matrix: Water

Date Received: 12/18/23 15:18

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.689</b>		0.298	0.305	1.00	0.304	pCi/L	12/21/23 10:29	01/17/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					12/21/23 10:29	01/17/24 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
<b>Radium-228</b>	<b>0.760</b>		0.431	0.436	1.00	0.622	pCi/L	12/21/23 10:33	01/17/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					12/21/23 10:33	01/17/24 11:53	1
Y Carrier	82.2		30 - 110					12/21/23 10:33	01/17/24 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
<b>Combined Radium 226 + 228</b>	<b>1.45</b>		0.524	0.532	5.00	0.622	pCi/L		01/18/24 09:32	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T11S**

**Lab Sample ID: 500-243693-12**

Date Collected: 12/18/23 10:20

Matrix: GW

Date Received: 12/18/23 15:18

**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	0.604		0.297	0.302	1.00	0.360	pCi/L	12/21/23 10:29	01/17/24 15:10	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	89.6		30 - 110					12/21/23 10:29	01/17/24 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	1.16		0.416	0.430	1.00	0.498	pCi/L	12/21/23 10:33	01/17/24 11:53	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	89.6		30 - 110					12/21/23 10:33	01/17/24 11:53	1
Y Carrier	83.7		30 - 110					12/21/23 10:33	01/17/24 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	1.77		0.511	0.525	5.00	0.498	pCi/L		01/18/24 09:32	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G47S**

**Lab Sample ID: 500-243693-13**

Date Collected: 12/18/23 11:31

Matrix: GW

Date Received: 12/18/23 15:18

**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	0.611		0.295	0.300	1.00	0.343	pCi/L	12/21/23 10:29	01/17/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					12/21/23 10:29	01/17/24 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	1.62		0.522	0.543	1.00	0.629	pCi/L	12/21/23 10:33	01/17/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					12/21/23 10:33	01/17/24 11:53	1
Y Carrier	84.5		30 - 110					12/21/23 10:33	01/17/24 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	2.23		0.600	0.620	5.00	0.629	pCi/L		01/18/24 09:32	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G48S**

**Lab Sample ID: 500-243693-14**

Date Collected: 12/18/23 12:45

Matrix: GW

Date Received: 12/18/23 15:18

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.801</b>		0.333	0.340	1.00	0.375	pCi/L	12/21/23 10:29	01/17/24 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					12/21/23 10:29	01/17/24 15:19	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.614</b>		0.391	0.395	1.00	0.577	pCi/L	12/21/23 10:33	01/17/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					12/21/23 10:33	01/17/24 11:53	1
Y Carrier	81.9		30 - 110					12/21/23 10:33	01/17/24 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
<b>Combined Radium 226 + 228</b>	<b>1.42</b>		0.514	0.521	5.00	0.577	pCi/L		01/18/24 09:32	1



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T12S**

**Lab Sample ID: 500-243693-15**

Date Collected: 12/18/23 14:04

Matrix: Water

Date Received: 12/18/23 15:18

**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		0.786	0.800	1.00	0.895	pCi/L	12/21/23 10:29	01/17/24 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.4		30 - 110					12/21/23 10:29	01/17/24 15:19	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.99	G	1.14	1.15	1.00	1.61	pCi/L	12/21/23 10:33	01/17/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.4		30 - 110					12/21/23 10:33	01/17/24 11:53	1
Y Carrier	78.5		30 - 110					12/21/23 10:33	01/17/24 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	3.68		1.38	1.40	5.00	1.61	pCi/L		01/18/24 09:32	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G30S**

**Lab Sample ID: 500-243693-16**

Date Collected: 12/19/23 09:08

Matrix: GW

Date Received: 12/19/23 15:07

**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	0.947		0.299	0.311	1.00	0.312	pCi/L	12/27/23 09:39	01/18/24 17:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					12/27/23 09:39	01/18/24 17:20	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.485	0.495	1.00	0.657	pCi/L	12/27/23 09:42	01/17/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					12/27/23 09:42	01/17/24 11:36	1
Y Carrier	82.2		30 - 110					12/27/23 09:42	01/17/24 11:36	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.04		0.570	0.585	5.00	0.657	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: R32S**

**Lab Sample ID: 500-243693-17**

Date Collected: 12/19/23 11:01

Matrix: GW

Date Received: 12/19/23 15:07

**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	1.01		0.295	0.309	1.00	0.285	pCi/L	12/27/23 09:39	01/18/24 17:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					12/27/23 09:39	01/18/24 17:20	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.53		0.517	0.536	1.00	0.643	pCi/L	12/27/23 09:42	01/17/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					12/27/23 09:42	01/17/24 11:36	1
Y Carrier	84.9		30 - 110					12/27/23 09:42	01/17/24 11:36	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.54		0.595	0.619	5.00	0.643	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T13S**

**Lab Sample ID: 500-243693-18**

Date Collected: 12/19/23 12:08

Matrix: Water

Date Received: 12/19/23 15:07

**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	0.787		0.336	0.343	1.00	0.390	pCi/L	12/27/23 09:39	01/18/24 17:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					12/27/23 09:39	01/18/24 17:20	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.858	U G	0.712	0.717	1.00	1.12	pCi/L	12/27/23 09:42	01/17/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					12/27/23 09:42	01/17/24 11:36	1
Y Carrier	76.6		30 - 110					12/27/23 09:42	01/17/24 11:36	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.65		0.787	0.795	5.00	1.12	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: T13S Dup**

**Lab Sample ID: 500-243693-19**

Date Collected: 12/19/23 12:08

Matrix: Water

Date Received: 12/19/23 15:07

**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	0.929		0.354	0.363	1.00	0.371	pCi/L	12/27/23 09:39	01/18/24 17:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		30 - 110					12/27/23 09:39	01/18/24 17:20	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.862		0.579	0.584	1.00	0.855	pCi/L	12/27/23 09:42	01/17/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		30 - 110					12/27/23 09:42	01/17/24 11:36	1
Y Carrier	81.5		30 - 110					12/27/23 09:42	01/17/24 11:36	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.79		0.679	0.688	5.00	0.855	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G44S**

**Lab Sample ID: 500-243693-20**

Date Collected: 12/19/23 13:39

Matrix: Water

Date Received: 12/19/23 15:07

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.664		0.249	0.257	1.00	0.260	pCi/L	12/27/23 09:39	01/18/24 17:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.6		30 - 110					12/27/23 09:39	01/18/24 17:20	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.837		0.518	0.524	1.00	0.760	pCi/L	12/27/23 09:42	01/17/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.6		30 - 110					12/27/23 09:42	01/17/24 11:36	1
Y Carrier	66.2		30 - 110					12/27/23 09:42	01/17/24 11:36	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.50		0.575	0.584	5.00	0.760	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G46S**

**Lab Sample ID: 500-243693-21**

Date Collected: 12/20/23 09:42

Matrix: Water

Date Received: 12/20/23 12:35

**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	0.974		0.289	0.302	1.00	0.257	pCi/L	12/27/23 09:39	01/18/24 17:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					12/27/23 09:39	01/18/24 17:20	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.70		0.535	0.558	1.00	0.616	pCi/L	12/27/23 09:42	01/17/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					12/27/23 09:42	01/17/24 11:36	1
Y Carrier	79.3		30 - 110					12/27/23 09:42	01/17/24 11:36	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.67		0.608	0.634	5.00	0.616	pCi/L		01/19/24 16:05	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: R08S**

**Lab Sample ID: 500-243693-22**

Date Collected: 12/20/23 10:37

Matrix: Water

Date Received: 12/20/23 12:35

**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	0.889		0.274	0.286	1.00	0.283	pCi/L	12/27/23 09:39	01/18/24 19:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					12/27/23 09:39	01/18/24 19:05	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		0.427	0.441	1.00	0.521	pCi/L	12/27/23 09:42	01/17/24 11:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					12/27/23 09:42	01/17/24 11:38	1
Y Carrier	84.1		30 - 110					12/27/23 09:42	01/17/24 11:38	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	2.06		0.507	0.526	5.00	0.521	pCi/L		01/19/24 16:09	1



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G45S**

**Lab Sample ID: 500-243693-23**

Date Collected: 12/20/23 11:29

Matrix: Water

Date Received: 12/20/23 12:35

**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	1.43		0.314	0.339	1.00	0.225	pCi/L	12/27/23 09:39	01/18/24 19:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					12/27/23 09:39	01/18/24 19:05	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	0.735		0.359	0.365	1.00	0.487	pCi/L	12/27/23 09:42	01/17/24 11:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					12/27/23 09:42	01/17/24 11:38	1
Y Carrier	87.5		30 - 110					12/27/23 09:42	01/17/24 11:38	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	2.16		0.477	0.498	5.00	0.487	pCi/L		01/19/24 16:05	1

# Definitions/Glossary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Qualifiers

### Rad

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

## Glossary

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

# QC Association Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Rad

### Prep Batch: 640729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	PrecSep-21	
500-243693-2	G31S	Total/NA	Water	PrecSep-21	
MB 160-640729/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-640729/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-243693-1 DU	G20S	Total/NA	Water	PrecSep-21	

### Prep Batch: 640730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-1	G20S	Total/NA	Water	PrecSep_0	
500-243693-2	G31S	Total/NA	Water	PrecSep_0	
MB 160-640730/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-640730/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-243693-1 DU	G20S	Total/NA	Water	PrecSep_0	

### Prep Batch: 640842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-3	T02S	Total/NA	Water	PrecSep-21	
500-243693-4	T03S	Total/NA	GW	PrecSep-21	
500-243693-5	T09S	Total/NA	Water	PrecSep-21	
500-243693-6	T01S	Total/NA	Water	PrecSep-21	
MB 160-640842/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-640842/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 640843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-3	T02S	Total/NA	Water	PrecSep_0	
500-243693-4	T03S	Total/NA	GW	PrecSep_0	
500-243693-5	T09S	Total/NA	Water	PrecSep_0	
500-243693-6	T01S	Total/NA	Water	PrecSep_0	
MB 160-640843/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-640843/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 641230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-7	T08S	Total/NA	Water	PrecSep_0	
500-243693-8	T06S	Total/NA	Water	PrecSep_0	
500-243693-9	T05S	Total/NA	Water	PrecSep_0	
MB 160-641230/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-641230/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-243693-7 DU	T08S	Total/NA	Water	PrecSep_0	

### Prep Batch: 641437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-10	G33S	Total/NA	Water	PrecSep-21	
MB 160-641437/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-641437/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 641438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-10	G33S	Total/NA	Water	PrecSep_0	
MB 160-641438/1-A	Method Blank	Total/NA	Water	PrecSep_0	

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# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Rad (Continued)

### Prep Batch: 641438 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-641438/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 641814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-11	G39S	Total/NA	Water	PrecSep-21	
500-243693-12	T11S	Total/NA	GW	PrecSep-21	
500-243693-13	G47S	Total/NA	GW	PrecSep-21	
500-243693-14	G48S	Total/NA	GW	PrecSep-21	
500-243693-15	T12S	Total/NA	Water	PrecSep-21	
MB 160-641814/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-641814/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-243693-11 DU	G39S	Total/NA	Water	PrecSep-21	

### Prep Batch: 641815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-11	G39S	Total/NA	Water	PrecSep_0	
500-243693-12	T11S	Total/NA	GW	PrecSep_0	
500-243693-13	G47S	Total/NA	GW	PrecSep_0	
500-243693-14	G48S	Total/NA	GW	PrecSep_0	
500-243693-15	T12S	Total/NA	Water	PrecSep_0	
MB 160-641815/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-641815/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-243693-11 DU	G39S	Total/NA	Water	PrecSep_0	

### Prep Batch: 641862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-7	T08S	Total/NA	Water	PrecSep-21	
500-243693-8	T06S	Total/NA	Water	PrecSep-21	
500-243693-9	T05S	Total/NA	Water	PrecSep-21	
MB 160-641862/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-641862/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-243693-7 DU	T08S	Total/NA	Water	PrecSep-21	

### Prep Batch: 642047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-16	G30S	Total/NA	GW	PrecSep-21	
500-243693-17	R32S	Total/NA	GW	PrecSep-21	
500-243693-18	T13S	Total/NA	Water	PrecSep-21	
500-243693-19	T13S Dup	Total/NA	Water	PrecSep-21	
500-243693-20	G44S	Total/NA	Water	PrecSep-21	
500-243693-21	G46S	Total/NA	Water	PrecSep-21	
500-243693-22	R08S	Total/NA	Water	PrecSep-21	
500-243693-23	G45S	Total/NA	Water	PrecSep-21	
MB 160-642047/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-642047/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 642048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-16	G30S	Total/NA	GW	PrecSep_0	
500-243693-17	R32S	Total/NA	GW	PrecSep_0	
500-243693-18	T13S	Total/NA	Water	PrecSep_0	

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# QC Association Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Rad (Continued)

### Prep Batch: 642048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-243693-19	T13S Dup	Total/NA	Water	PrecSep_0	
500-243693-20	G44S	Total/NA	Water	PrecSep_0	
500-243693-21	G46S	Total/NA	Water	PrecSep_0	
500-243693-22	R08S	Total/NA	Water	PrecSep_0	
500-243693-23	G45S	Total/NA	Water	PrecSep_0	
MB 160-642048/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-642048/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	



# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

**Lab Sample ID: MB 160-640729/1-A**  
**Matrix: Water**  
**Analysis Batch: 643470**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 640729**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.09129		0.0570	0.0576	1.00	0.0706	pCi/L	12/14/23 10:32	01/09/24 18:55	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					12/14/23 10:32	01/09/24 18:55	1
	95.0									

**Lab Sample ID: LCS 160-640729/2-A**  
**Matrix: Water**  
**Analysis Batch: 643957**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 640729**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	8.455		0.885	1.00	0.0963	pCi/L	75	75 - 125
Carrier	LCS	LCS	Limits						
Ba Carrier	%Yield	LCS Qualifier	30 - 110						
	96.5								

**Lab Sample ID: 500-243693-1 DU**  
**Matrix: Water**  
**Analysis Batch: 643470**

**Client Sample ID: G20S**  
**Prep Type: Total/NA**  
**Prep Batch: 640729**

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	Limit
	Result	Sample Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.951		0.8977		0.172	1.00	0.0736	pCi/L	0.15	1
Carrier	DU	DU	Limits							
Ba Carrier	%Yield	DU Qualifier	30 - 110							
	93.8									

**Lab Sample ID: MB 160-640842/1-A**  
**Matrix: Water**  
**Analysis Batch: 644161**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 640842**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.01082	U	0.0489	0.0489	1.00	0.0956	pCi/L	12/15/23 08:17	01/12/24 09:36	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					12/15/23 08:17	01/12/24 09:36	1
	101									

**Lab Sample ID: LCS 160-640842/2-A**  
**Matrix: Water**  
**Analysis Batch: 644329**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 640842**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.40		1.08	1.00	0.0794	pCi/L	92	75 - 125

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# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

**Lab Sample ID: LCS 160-640842/2-A**  
**Matrix: Water**  
**Analysis Batch: 644329**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 640842**

		LCS	LCS		
Carrier	%Yield	Qualifier	Limits		
Ba Carrier	95.3		30 - 110		

**Lab Sample ID: MB 160-641437/1-A**  
**Matrix: Water**  
**Analysis Batch: 644572**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 641437**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03698	U	0.141	0.141	1.00	0.303	pCi/L	12/19/23 10:42	01/17/24 07:29	1
Carrier										
Ba Carrier	84.8		30 - 110					12/19/23 10:42	01/17/24 07:29	1

**Lab Sample ID: LCS 160-641437/2-A**  
**Matrix: Water**  
**Analysis Batch: 644572**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 641437**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	12.06		1.46	1.00	0.291	pCi/L	106	75 - 125
Carrier									
Ba Carrier	77.1								

**Lab Sample ID: MB 160-641814/1-A**  
**Matrix: Water**  
**Analysis Batch: 644569**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 641814**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08542	U	0.143	0.143	1.00	0.252	pCi/L	12/21/23 10:29	01/17/24 15:08	1
Carrier										
Ba Carrier	96.8		30 - 110					12/21/23 10:29	01/17/24 15:08	1

**Lab Sample ID: LCS 160-641814/2-A**  
**Matrix: Water**  
**Analysis Batch: 644569**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 641814**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	9.582		1.26	1.00	0.287	pCi/L	85	75 - 125
Carrier									
Ba Carrier	97.5								

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

**Lab Sample ID: 500-243693-11 DU**  
**Matrix: Water**  
**Analysis Batch: 644569**

**Client Sample ID: G39S**  
**Prep Type: Total/NA**  
**Prep Batch: 641814**

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.689		0.6282		0.276	1.00	0.266	pCi/L	0.10	1
<b>DU DU</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	89.6		30 - 110							

**Lab Sample ID: MB 160-641862/1-A**  
**Matrix: Water**  
**Analysis Batch: 644507**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 641862**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.05028	U	0.126	0.126	1.00	0.296	pCi/L	12/21/23 16:09	01/16/24 18:16	1
<b>MB MB</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>		<b>Dil Fac</b>	
Ba Carrier	96.5		30 - 110		12/21/23 16:09		01/16/24 18:16		1	

**Lab Sample ID: LCS 160-641862/2-A**  
**Matrix: Water**  
**Analysis Batch: 644507**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 641862**

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits	
		Result	Qual	Uncert. (2σ+/-)						
Radium-226	11.3	10.27		1.32	1.00	0.354	pCi/L	91	75 - 125	
<b>LCS LCS</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	95.5		30 - 110							

**Lab Sample ID: 500-243693-7 DU**  
**Matrix: Water**  
**Analysis Batch: 644444**

**Client Sample ID: T08S**  
**Prep Type: Total/NA**  
**Prep Batch: 641862**

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.104	U	0.1538	U	0.190	1.00	0.311	pCi/L	0.13	1
<b>DU DU</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	87.3		30 - 110							

**Lab Sample ID: MB 160-642047/1-A**  
**Matrix: Water**  
**Analysis Batch: 644793**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 642047**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.05928	U	0.0846	0.0848	1.00	0.181	pCi/L	12/27/23 09:39	01/18/24 11:56	1



# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

Lab Sample ID: MB 160-642047/1-A  
 Matrix: Water  
 Analysis Batch: 644793

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 642047

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110	12/27/23 09:39	01/18/24 11:56	1

Lab Sample ID: LCS 160-642047/2-A  
 Matrix: Water  
 Analysis Batch: 644793

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 642047

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	12.26		1.26	1.00	0.178	pCi/L	108	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	94.3		30 - 110

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

Lab Sample ID: MB 160-640730/1-A  
 Matrix: Water  
 Analysis Batch: 643079

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 640730

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5441		0.336	0.340	1.00	0.489	pCi/L	12/14/23 10:37	01/05/24 11:17	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110	12/14/23 10:37	01/05/24 11:17	1
Y Carrier	82.2		30 - 110	12/14/23 10:37	01/05/24 11:17	1

Lab Sample ID: LCS 160-640730/2-A  
 Matrix: Water  
 Analysis Batch: 643079

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 640730

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.33	10.23		1.35	1.00	0.484	pCi/L	110	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	98.0		30 - 110
Y Carrier	79.6		30 - 110

Lab Sample ID: 500-243693-1 DU  
 Matrix: Water  
 Analysis Batch: 643079

Client Sample ID: G20S  
 Prep Type: Total/NA  
 Prep Batch: 640730

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	1.81		1.784		0.499	1.00	0.475	pCi/L	0.03	1

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# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

**Lab Sample ID: 500-243693-1 DU**  
**Matrix: Water**  
**Analysis Batch: 643079**

**Client Sample ID: G20S**  
**Prep Type: Total/NA**  
**Prep Batch: 640730**

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.8		30 - 110
Y Carrier	78.5		30 - 110

**Lab Sample ID: MB 160-640843/1-A**  
**Matrix: Water**  
**Analysis Batch: 642722**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 640843**

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.01408	U	0.220	0.220	1.00	0.426	pCi/L	12/15/23 08:30	01/02/24 11:58	1

Carrier	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	101		30 - 110	12/15/23 08:30	01/02/24 11:58	1
Y Carrier	81.1		30 - 110	12/15/23 08:30	01/02/24 11:58	1

**Lab Sample ID: LCS 160-640843/2-A**  
**Matrix: Water**  
**Analysis Batch: 642722**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 640843**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	9.34	9.007		1.24	1.00	0.472	pCi/L	96	75 - 125

Carrier	LCS	LCS	Limits
	%Yield	Qualifier	
Ba Carrier	95.3		30 - 110
Y Carrier	79.3		30 - 110

**Lab Sample ID: MB 160-641230/1-A**  
**Matrix: Water**  
**Analysis Batch: 644444**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 641230**

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.6107		0.355	0.359	1.00	0.514	pCi/L	12/18/23 09:58	01/16/24 11:30	1

Carrier	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	96.5		30 - 110	12/18/23 09:58	01/16/24 11:30	1
Y Carrier	81.9		30 - 110	12/18/23 09:58	01/16/24 11:30	1

**Lab Sample ID: LCS 160-641230/2-A**  
**Matrix: Water**  
**Analysis Batch: 644444**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 641230**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	9.30	10.28		1.37	1.00	0.582	pCi/L	110	75 - 125

Euromins Chicago

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

**Lab Sample ID: LCS 160-641230/2-A**  
**Matrix: Water**  
**Analysis Batch: 644444**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 641230**

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	95.5		30 - 110
Y Carrier	81.5		30 - 110

**Lab Sample ID: 500-243693-7 DU**  
**Matrix: Water**  
**Analysis Batch: 644444**

**Client Sample ID: T08S**  
**Prep Type: Total/NA**  
**Prep Batch: 641230**

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	Limit
	Result	Qual								
Radium-228	0.398	U	0.7337		0.402	1.00	0.561	pCi/L	0.46	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	87.3		30 - 110
Y Carrier	80.7		30 - 110

**Lab Sample ID: MB 160-641438/1-A**  
**Matrix: Water**  
**Analysis Batch: 644546**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 641438**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.7880		0.390	0.397	1.00	0.531	pCi/L	12/19/23 10:46	01/16/24 11:34	1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier				
Ba Carrier	84.8		30 - 110	12/19/23 10:46	01/16/24 11:34	1
Y Carrier	80.4		30 - 110	12/19/23 10:46	01/16/24 11:34	1

**Lab Sample ID: LCS 160-641438/2-A**  
**Matrix: Water**  
**Analysis Batch: 644546**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 641438**

Analyte	Spike	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec	Limits
Radium-228	9.30	11.36		1.56	1.00	0.595	pCi/L	122	75 - 125	

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	77.1		30 - 110
Y Carrier	76.3		30 - 110

**Lab Sample ID: MB 160-641815/1-A**  
**Matrix: Water**  
**Analysis Batch: 644569**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 641815**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.2202	U	0.289	0.289	1.00	0.482	pCi/L	12/21/23 10:33	01/17/24 11:38	1

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

**Lab Sample ID: MB 160-641815/1-A**  
**Matrix: Water**  
**Analysis Batch: 644569**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 641815**

Carrier	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	96.8		30 - 110	12/21/23 10:33	01/17/24 11:38	1
Y Carrier	83.0		30 - 110	12/21/23 10:33	01/17/24 11:38	1

**Lab Sample ID: LCS 160-641815/2-A**  
**Matrix: Water**  
**Analysis Batch: 644569**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 641815**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	97.5		30 - 110
Y Carrier	85.2		30 - 110

**Lab Sample ID: 500-243693-11 DU**  
**Matrix: Water**  
**Analysis Batch: 644570**

**Client Sample ID: G39S**  
**Prep Type: Total/NA**  
**Prep Batch: 641815**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit

Carrier	DU DU		Limits
	%Yield	Qualifier	
Ba Carrier	89.6		30 - 110
Y Carrier	82.6		30 - 110

**Lab Sample ID: MB 160-642048/1-A**  
**Matrix: Water**  
**Analysis Batch: 644571**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 642048**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac

Carrier	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	93.3		30 - 110	12/27/23 09:42	01/17/24 11:27	1
Y Carrier	81.5		30 - 110	12/27/23 09:42	01/17/24 11:27	1

**Lab Sample ID: LCS 160-642048/2-A**  
**Matrix: Water**  
**Analysis Batch: 644571**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 642048**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits

Eurofins Chicago

# QC Sample Results

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

Lab Sample ID: LCS 160-642048/2-A  
Matrix: Water  
Analysis Batch: 644571

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 642048

<i>Carrier</i>	<i>LCS</i> <i>%Yield</i>	<i>LCS</i> <i>Qualifier</i>	<i>Limits</i>
Ba Carrier	94.3		30 - 110
Y Carrier	86.0		30 - 110

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# Chain of Custody Record

667862



Environment Testing America

Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Client Contact**

Company Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City/State/Zip \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Fax \_\_\_\_\_  
 Project Name \_\_\_\_\_  
 Site \_\_\_\_\_  
 P O # \_\_\_\_\_

500-243693 COC



Regulatory Program:  DW  NPDES  RCRA  Other

TAL-8210

**Project Manager:** \_\_\_\_\_ **Site Contact:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Tel/Email:** \_\_\_\_\_ **Lab Contact:** \_\_\_\_\_ **Carrier:** \_\_\_\_\_

**Analysis Turnaround Time**  
 CALENDAR DAYS  WORKING DAYS

TAT if different from Below \_\_\_\_\_

2 weeks  
 1 week  
 2 days  
 1 day

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Other	Sample Specific Notes
12/11/23	1008			5			Radium 226 Radium 228 Combined 226/228 TDS/EL/CI/SCA Metals 14 Elements	
12/11/23	1422			5				

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Other	Sample Specific Notes

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

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

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

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

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

**Special Instructions/QC Requirements & Comments:**

44-42

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____	Cooler Temp (°C) Obs'd _____	Corr'd _____	Therm ID No _____
Relinquished by _____	Company _____	Date/Time _____	Received by _____	Company _____	Date/Time _____
Relinquished by _____	Company _____	Date/Time _____	Received by _____	Company _____	Date/Time _____
Relinquished by	Company <u>ETA</u>	Date/Time <u>12/11/23 1525</u>	Received in Laboratory by	Company	Date/Time <u>12/11/23 1525</u>





Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other

TAL-8210

<b>Client Contact</b>		<b>Project Manager</b> <i>Diann Mockler</i>		<b>Site Contact</b>		<b>Date:</b>		<b>COC No</b>			
Company Name <i>Midwest Generation EME LLC</i>		Tel/Email:		Lab Contact		Carrier:		_____ of _____ COCs			
Address		<b>Analysis Turnaround Time</b>		Filtered Sample (Y/N) Perform MS / MSD (Y/N)	Radium 226	Radium 226	Combined 226/228	Pb, Cd, Cr, Ni, SO4	Metals 14 elements + Hg		
City/State/Zip <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS									
Phone		TAT if different from Below _____									
Fax		<input type="checkbox"/> 2 weeks									
Project Name <i>Joliet #9 CCR</i>		<input type="checkbox"/> 1 week									
Site <i>4Q 23 Gw + Turbidity</i>		<input type="checkbox"/> 2 days									
P O #		<input type="checkbox"/> 1 day		 500-243693 COC		Job / SDG No <i>500-243693</i>					
<b>Sample Identification</b>		<b>Sample Date</b>	<b>Sample Time</b>					<b>Sample Type</b> (C=Comp, G=Grab)	<b>Matrix</b>	<b># of Cont</b>	<b>Sample Specific Notes</b>
<i>TO15</i>		<i>12/13/23</i>	<i>0945</i>						<i>W</i>	<i>5</i>	
<p><b>Preservation Used:</b> 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____</p> <p><b>Possible Hazard Identification:</b> Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample</p> <p><input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown</p> <p><b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>  <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months</p> <p><b>Special Instructions/QC Requirements &amp; Comments:</b> <i>0.8 - 0.7 480+</i></p>											
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>12/13/23 11:50</i>	Received by _____		Company _____		Date/Time _____		
Relinquished by _____		Company _____		Date/Time _____	Received by _____		Company _____		Date/Time _____		
Relinquished by _____		Company _____		Date/Time _____	Received in Laboratory by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>12/13/23 11:50</i>		





# Chain of Custody Record 719224



Environment Testing  
America

Address \_\_\_\_\_  
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Regulatory Program:  DW  NPDES  RCRA  Other

500-243693 COC

TAL-8210

Client Contact		Project Manager: <u>Diana Wackler</u>		Site Contact		Date	
Company Name: <u>Midwest Generation EME LLC</u>		Tel/Email:		Lab Contact		Carrier.	
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <u>Radium 226</u> <u>Radium 228</u> <u>Combined 226/228</u> <u>TDS, Fl, Cl, SO4</u> <u>Metals 14 elements + Hg</u>		Sampler For Lab Use Only Walk-in Client Lab Sampling Job / SDG No <u>500-243693</u>	
City/State/Zip: <u>Joliet #9 CCR</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____					
Phone: <u>815 4023 CW + Turbidity</u>		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day					
Project Name: <u>↑</u>							
Site							
P O #							
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes	
<u>T08S</u>	<u>12/14/23</u>	<u>0935</u>		<u>W</u>	<u>5</u>	/	/
<u>T06S</u>	<u>12/14/23</u>	<u>1135</u>		<u>W</u>	<u>5</u>	/	/
<u>T05D</u>	<u>12/14/23</u>	<u>1325</u>		<u>W</u>	<u>5</u>	/	/
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other		Possible Hazard Identification:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Special Instructions/QC Requirements & Comments:							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd: <u>2.8</u>		Corr'd: <u>3.6</u> Therm ID No	
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>12/14/23 1520</u>		Received by: <u>[Signature]</u>	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:	

7089

10

# Chain of Custody Record 719225



Environment Testing  
America

Regulatory Program:  DW  NPDES  RCRA  Other

500-243693 COC

TAL-8210

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

<b>Client Contact</b>	<b>Project Manager:</b> <i>Diana Mockler</i>	<b>Site Contact</b>	<b>Date</b>
Company Name: <i>Midwest Generation EME LLC</i>	Cell/Email:	Lab Contact	Carrier
Address	<b>Analysis Turnaround Time</b>		
City/State/Zip: <i>Joliet, IL</i>	<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____		
Phone	<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		
Fax	Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>TDS, F, Cl, SO4</i> <i>Metals 14 elements + Hg</i>		
Project Name: <i>Joliet #9 CCR</i>			
Site: <i>4Q23 Gw + Turbidity</i>			
P O #	Job / SDG No <i>500-243693</i>		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Carrier	Sampler
<i>G33S</i>	<i>12/15/23</i>	<i>0930</i>		<i>W</i>	<i>5</i>	<i>✓</i>	<i>✓</i>		For Lab Use Only: Walk-in Client. _____ Lab Sampling _____  Sample Specific Notes

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

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

Non-Hazard   
  Flammable   
  Skin Irritant   
  Poison B   
  Unknown

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

Return to Client   
  Disposal by Lab   
  Archive for \_\_\_\_\_ Months

**Special Instructions/QC Requirements & Comments:**

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____	Cooler Temp (°C) Obs'd _____	Corr'd _____	Therm ID No _____
Relinquished by <i>[Signature]</i>	Company <i>EETA</i>	Date/Time <i>12/15/23 1245</i>	Received by _____	Company _____	Date/Time _____
Relinquished by _____	Company _____	Date/Time _____	Received by _____	Company _____	Date/Time _____
Relinquished by _____	Company _____	Date/Time _____	Received in Laboratory by <i>[Signature]</i>	Company <i>EETA</i>	Date/Time <i>12/15/23 1245</i>



# Chain of Custody Record 719226



Environment Testing  
America

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other

500-243693 COC

TAL-8210

Client Contact		Project Manager: <i>Diana Mack</i>		Site Contact		Date	
Company Name: <i>Midwest Generation EME LLC</i>		Tel/Email		Lab Contact		Carrier	
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>TDS, F, Cl, SO4</i> <i>Metals 14 elements + Hg</i>		_____ of _____ COCs	
City/State/Zip: <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS				Sampler:	
Phone		TAT if different from Below _____				For Lab Use Only	
Fax		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day				Walk-in Client	
Project Name: <i>Joliet #9 CCR</i>						Lab Sampling	
Site: <i>4823 Gw + Turbidity</i>				Job / SDG No		<i>300-243693</i>	
P O #							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes
<i>11</i>	<i>G39S</i>	<i>12/18/23</i>	<i>0927</i>		<i>W</i>	<i>5</i>	
<i>12</i>	<i>T11S</i>	<i>12/18/23</i>	<i>1020</i>		<i>W</i>	<i>5</i>	
<i>13</i>	<i>G47S</i>	<i>12/18/23</i>	<i>1131</i>		<i>W</i>	<i>5</i>	
<i>14</i>	<i>G48S</i>	<i>12/18/23</i>	<i>1248</i>		<i>W</i>	<i>5</i>	
<i>15</i>	<i>T12S</i>	<i>12/18/23</i>	<i>1404</i>		<i>W</i>	<i>5</i>	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____							
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample				Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown				<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Special Instructions/QC Requirements & Comments:							
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd <i>5.5</i> <i>5.3</i>		Therm ID No	
Relinquished by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>12/18/23</i>		Received by: <i>[Signature]</i>	
Relinquished by:		Company:		Date/Time:		Received by:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:	

# Chain of Custody Record 719227



Environment Testing  
America

TAL-8210

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other



500-243693 COC

Client Contact		Project Manager <i>Diana Muckler</i>		Site Contact		Date	
Company Name <i>Midwest Generation EME LLC</i>		Tel/Email		Lab Contact		Carr	
Address		Analysis Turnaround Time					
City/State/Zip <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS					
Phone		TAT if different from Below _____					
Fax		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day					
Project Name <i>Joliet #9 CCR</i>		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>TDS, F, Cl, SO4</i> <i>Metals 14 elements + Hg</i>					
Site <i>4R23 Gw + Turbidity</i>							
P O #							
COC No _____ of _____ COCs		Sampler _____ For Lab Use Only: Walk-in Client _____ Lab Sampling _____ Job / SDG No <i>500-243693</i>					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes
<i>21 646S</i>		<i>12/20/23</i>	<i>0942</i>		<i>W</i>	<i>5</i>	
<i>22 R08J</i>		<i>12/20/23</i>	<i>1037</i>		<i>W</i>	<i>5</i>	
<i>23 645S</i>		<i>12/20/23</i>	<i>1129</i>		<i>W</i>	<i>5</i>	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____							
Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample				Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown				<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Special Instructions/QC Requirements & Comments							
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd <i>3.1</i> Corr'd <i>2.9</i>		Therm ID No <i>4807</i>	
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>12/20/23 12:35</i>		Received by _____	
Relinquished by		Company		Date/Time		Received by	
Relinquished by		Company		Date/Time		Received in Laboratory by <i>Stephanie Hemondy</i>	
						Company <i>EETA</i> Date/Time <i>12/20/23 1235</i>	

# Chain of Custody Record 719228



Environment Testing  
America

Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other:

TAL-8210

Client Contact		Project Manager: <i>Diana MacKler</i>		Site Contact:		Date:		COC No:			
Company Name: <i>Midwest Generation EME LLC</i>		Tel/Email:		Lab Contact:		Carri		_____ of _____ COCs			
Address:		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>TDS, F, Cl, SO4</i> <i>Metals 14 elements + Hg</i>		 500-243693 COC		Sampler:			
City/State/Zip: <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only:		Walk-in Client:	
Phone:		TAT if different from Below _____						Lab Sampling:		Job / SDG No.:	
Fax:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Job / SDG No.: <i>500-243693</i>		Sample Specific Notes:	
Project Name: <i>Joliet #9 CCR</i>		Site: <i>4R23 GW + Turbidity</i>		P O #							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.					
<i>G30S</i>		<i>12/19/23</i>	<i>0908</i>	<i>W</i>	<i>5</i>	<i>5</i>					
<i>R32S</i>		<i>12/19/23</i>	<i>1101</i>	<i>W</i>	<i>5</i>	<i>5</i>					
<i>T13S</i>		<i>12/19/23</i>	<i>1208</i>	<i>W</i>	<i>5</i>	<i>5</i>					
<i>DUP of T13S</i>		<i>12/19/23</i>	<i>1208</i>	<i>W</i>	<i>5</i>	<i>5</i>					
<i>G44S</i>		<i>12/19/23</i>	<i>1339</i>	<i>W</i>	<i>5</i>	<i>5</i>					
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.							Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments:											
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No							Custody Seal No.:			Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.:	
Relinquished by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>12/19/23 1507</i>		Received by:		Company: _____ Date/Time: _____			
Relinquished by:		Company:		Date/Time:		Received by:		Company: _____ Date/Time: _____			
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <i>Stephanie Hernandez</i>		Company: <i>EETA</i> Date/Time: <i>12/19/23 1507</i>			

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# Chain of Custody Record



Environment Testing

<b>Client Information (Sub Contract Lab)</b> Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email: Project Name: Joliet #9 (Quarry) CCR Site: NRG Midwest Generation LSQ Joliet #9 CCR	Sampler: Mockler, Diana J Lab PM: Diana Mockler E-Mail: Diana.Mockler@eurofins.com Accreditations Required (See note): NELAP - Illinois	Carrier Tracking No(s): 500-182706 1 State of Origin: Illinois Page: Page 1 of 1 Job #: 500-243693-2	COC No: 500-182706 1
---	--	---	-------------------------

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=swab, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	R226Ra228_GFPc	Analysis Requested		Total Number of Containers	Special Instructions/Note:
										Preservation Code:	Retention Code:		
G20S (500-243693-1)	12/11/23	10:08 Central	Water	Water	X	X	X	X				3	Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;
G31S (500-243693-2)	12/11/23	14:22 Central	Water	Water	X	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/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

<b>Possible Hazard Identification</b> Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months	
Empty Kit Relinquished by:	Date:	Method of Shipment:	Time:
Relinquished by: <i>Chris Scott</i>	Date/Time: 12/22/23	Received by:	Date/Time: 12/22/23
Relinquished by:	Date/Time: 1600	Company:	Date/Time: DEC 13 2023 0915
Relinquished by:	Date/Time:	Company:	Date/Time:
Relinquished by:	Date/Time:	Company:	Date/Time:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> 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**



Environment Testing

<b>Client Information (Sub Contract Lab)</b>		Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-182767.1
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TesAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		
Address: 13715 Rider Trail North, Earth City, MO, 63045		Job #: 500-243693-1		
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		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 Other:		
Email: Project Name: Joliet #9 (Quarry), CCR		Analysis Requested:		
Site: NRG Midwest Generation LSQ, Joliet #9 CCR		Total Number of Containers:		
Due Date Requested: 1/3/2024		Form MS/MSD (Yes or No)		
TAT Requested (days):		Perform MS/MSD (Yes or No)		
PO #:		904.0/PreSep_0 Standard Target List		
WG #:		903.0/PreSep_21 Standard Target List		
Project #: 50011504		Field Filtered Sample (Yes or No)		
SSOW#:		Ra226Ra228, GFPC		
Sample Identification - Client ID (Lab ID)		Special Instructions/Note:		
T02S (500-243693-3)	Sample Date: 12/12/23	Sample Time: 09:34 Central	Sample Type (C=Comp, G=grab):	3
T03S (500-243693-4)	Sample Date: 12/12/23	Sample Time: 11:04 Central	Matrix (Water, Swallow, Sewage/Oil, ST-Tissue, Ash)	3
T09S (500-243693-5)	Sample Date: 12/12/23	Sample Time: 12:45 Central	Preservation Code:	3
T01S (500-243693-6)	Sample Date: 12/13/23	Sample Time: 09:45 Central		3
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.				
<b>Possible Hazard Identification</b>				
Unconfirmed				
Deliverable Requested: I, II, III, IV, Other (specify)				
Primary Deliverable Rank: 2				
Empty Kit Relinquished by:				
Relinquished by: <i>[Signature]</i> Date/Time: 12/13/23 15:10				
Relinquished by: <i>[Signature]</i> Date/Time: 12/13/23 15:10				
Relinquished by: <i>[Signature]</i> Date/Time: 12/13/23 15:10				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No				
Custody Seal No.:				
Cooler Temperature(s) °C and Other Remarks:				
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:				
Time: _____ Method of Shipment: _____				
Received by: <i>[Signature]</i> Date/Time: DEC 14 2023 08:55				
Received by: <i>[Signature]</i> Date/Time: _____				
Received by: <i>[Signature]</i> Date/Time: _____				



# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-182884.1									
Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	Page: Page 1 of 1									
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois	Job #: 500-243693-1									
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email:		Due Date Requested: 1/4/2024 TAT Requested (days):	Preservation Codes: 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:									
Project Name: Joliet #9 (Quarry) CCR Site: NRG Midwest Generation LSQ Joliet #9 CCR		PO #: WO #: Project #: 50011504 SSOW#:	<b>Analysis Requested</b>									
<b>Sample Identification - Client ID (Lab ID)</b>	<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=comp, G=grab)</b>	<b>Matrix (Water, Solid, Operational, etc.)</b>	<b>Preservation Code:</b>	<b>Field Filtered Sample (Yes or No)</b>	<b>Perform M/MSD (Yes or No)</b>	<b>903.0/PrecSep_21 Standard Target List</b>	<b>904.0/PrecSep_0 Standard Target List</b>	<b>Ra26Ra228 GPPC</b>	<b>Total Number of Containers</b>	<b>Special Instructions/Note:</b>
T08S (500-243693-7)	12/14/23	09:35 Central	Water	Water	X	X	X	X	X	3	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T06S (500-243693-8)	12/14/23	11:35 Central	Water	Water	X	X	X	X	X	3	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T05S (500-243693-9)	12/14/23	13:25 Central	Water	Water	X	X	X	X	X	3	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  
Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2  
Special Instructions/QC Requirements: \_\_\_\_\_

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
Relinquished by: *Alve Smith* Date: *12/14/23* / *16:25* Company: \_\_\_\_\_  
Relinquished by: *M. Piretto* Date: *DEC 15 2023* / *10:10* Company: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_  
Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_  
Δ Yes Δ 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**



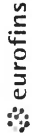
Environment Testing

<b>Client Information (Sub Contract Lab)</b> Client Contact: Mockler, Diana J Shipping/Receiving: Diana Mockler@et.eurofins.com Company: TestAmerica Laboratories, Inc. Address: 13715 Rider Trail North, Earth City, MO, 63045 Phone: 314-298-8566 (Tel) 314-298-8757 (Fax) Email: Project Name: Joliet #9 (Quarry) CCR Site: NRG Midwest Generation LSQ Joliet #9 CCR		Lab PM: Mockler, Diana J E-Mail: Diana.Mockler@et.eurofins.com Accreditations Required (See note): NELAP - Illinois	Carrier Tracking No(s): 500-182934-1 State of Origin: Illinois Page: Page 1 of 1 Job #: 500-243693-1
Due Date Requested: 1/4/2024 TAT Requested (days): PO #: WG #: Project #: 50011504 S5OW#:	Analysis Requested: Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> 903.0/PreSep_21 Standard Target List <input checked="" type="checkbox"/> 904.0/PreSep_0 Standard Target List <input checked="" type="checkbox"/> Ra226Ra228_GFPc <input checked="" type="checkbox"/> Total Number of Containers: 3	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 Other: M - Hexane N - None O - AshAO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	Special Instructions/Note: Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
<b>Sample Identification - Client ID (Lab ID)</b> T33S (500-243693-10) Sample Date: 12/15/23 Sample Time: 09:30 Matrix (Weaver, Solid, Orwashoil, ST-Titus, Ash): Water Sample Type (C=Comp, G=grab): Central Preservation Code:	Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.		
<b>Possible Hazard Identification</b> Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 Empty Kit Relinquished by:			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:			
Relinquished by: <i>Stephanie Hernandez</i> Date/Time: 12/15/23 1600 Company: EEA Relinquished by: <i>M. Pinette</i> Date/Time: DEC 18 2023 0955 Company: Relinquished by: Date/Time: Company:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> 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



Environment Testing

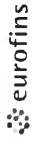


<b>Client Information (Sub Contract Lab)</b>		Carrier Tracking No(s)	COC No									
Client Contact	Lab PM: Mockler, Diana J	State of Origin	500-183063.1									
Shipping/Receiving	E-Mail: Diana.Mockler@et.eurofins.com	Illinois	Page: Page 1 of 1									
Company: TestAmerica Laboratories, Inc.	Accreditations Required (See note): NELAP - Illinois		Job #: 500-243693-2									
Address: 13715 Ridler Trail North,		<b>Preservation Codes:</b>										
City: Earth City	Due Date Requested: 1/4/2024	A - HCL	M - Hexane									
State, Zip: MO, 63045	TAT Requested (days):	B - NaOH	N - None									
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		C - Zn Acetate	O - AsNaO2									
Email:		D - Nitric Acid	P - Na2O4S									
		E - NaHSO4	Q - Na2SO3									
		F - MeOH	R - Na2S2O3									
		G - Amchlor	S - H2SO4									
		H - Ascorbic Acid	T - TSP-Dodecylhydrate									
		I - Ice	U - Acetone									
		J - DI Water	V - MCAA									
Project Name: Joliet #9 (Quarry) CCR		K - EDTA	W - pH 4-5									
Project #: 50011504		L - EDA	Y - Trizma									
SSOW#:		Other:	Z - other (specify)									
Site: NRG Midwest Generation LSQ Joliet #9 CCR												
<b>Sample Identification - Client ID (Lab ID)</b>		<b>Analysis Requested</b>	<b>Special Instructions/Note:</b>									
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	90.0/PrecSep_21 Standard Target List	90.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:
G39S (500-243693-11)	12/18/23	09:27 Central	Water	Water	X	X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
T11S (500-243693-12)	12/18/23	10:20 Central	Water	Water	X	X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
G47S (500-243693-13)	12/18/23	11:31 Central	Water	Water	X	X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
G48S (500-243693-14)	12/18/23	12:45 Central	Water	Water	X	X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
T12S (500-243693-15)	12/18/23	14:04 Central	Water	Water	X	X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
<p>Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.</p>												
<b>Possible Hazard Identification</b>												
Unconfirmed												
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2												
Special Instructions/QC Requirements:												
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)												
Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months												
Method of Shipment:												
Received by: <i>Shirley Smith</i> Date: 12/19/23 15:30 Company: Company												
Received by: <i>M. Pomette</i> Date: DEC 20 2023 ASS Company: Company												
Received by: Company Date/Time: Company												
Cooler Temperature(s) °C and Other Remarks:												
Custody Seal No.: <input type="checkbox"/> Yes <input type="checkbox"/> No												



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

# Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email: Project Name: Joliet #9 (Quarry) CCR Site: NRG Midwest Generation LSO Joliet #9 CCR		Diana Mockler, Diana J E-Mail: Diana.Mockler@et.eurofins.com State of Origin: Illinois	Diana Mockler, Diana J E-Mail: Diana.Mockler@et.eurofins.com State of Origin: Illinois	500-183114.1 Page 1 of 1 Job #: 500-243693-2	500-183114.1 Page 1 of 1 Job #: 500-243693-2
Due Date Requested:		Analysis Requested			
1/4/2024		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 X - EDTA Y - Trizma Z - other (specify)			
TAT Requested (days):		Total Number of containers			
904.0/PrecSep_0 Standard Target List		3			
PO #:		Special Instructions/Note:			
903.0/PrecSep_21 Standard Target List		Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc.) - no NCMs concerning limited volume.			
WO #:		Perform MS/MSD (Yes or No)			
50011504		X			
SSOW#:		Field Filtered Sample (Yes or No)			
		X			
Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)	
Sample Identification - Client ID (Lab ID)		Preservation Code:		Matrix (Water, Solid, Swastail, BT-Tissue, AAB)	
G30S (500-243693-16)	12/19/23	09:08 Central	Water	Water	Water
R32S (500-243693-17)	12/19/23	11:01 Central	Water	Water	Water
T13S (500-243693-18)	12/19/23	12:08 Central	Water	Water	Water
Dup of T13S (500-243693-19)	12/19/23	12:08 Central	Water	Water	Water
G44S (500-243693-20)	12/19/23	13:39 Central	Water	Water	Water
G46S (500-243693-21)	12/20/23	09:42 Central	Water	Water	Water
R08S (500-243693-22)	12/20/23	10:37 Central	Water	Water	Water
G45S (500-243693-23)	12/20/23	11:29 Central	Water	Water	Water

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

**Possible Hazard Identification**

Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_  
 Primary Deliverable Rank: 2  
 Date: \_\_\_\_\_

Empty Kit Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Custody Seals Intact: \_\_\_\_\_  
 Custody Seal No.: \_\_\_\_\_

Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Received by: *M. Pinetta*  
 Date/Time: *DEC 22 2023 04:45*  
 Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Special Instructions/QC Requirements:  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Method of Shipment: \_\_\_\_\_



**Eurofins Chicago**

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

**Chain of Custody Record**



Environment Testing

<b>Client Information (Sub Contract Lab)</b>		Lab PM Mockler, Diana J	Carrier Tracking No(s): 500-183114.1
Client Contact: Shipping/Receiving		E-Mail Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois	
Address: 13715 Rider Trail North, City: Earth City		COC No: 500-183114.1	
State, Zip: MO, 63045		Page: Page 1 of 1	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Job #: 500-243693-1	
Email:		<b>Preservation Codes:</b> A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - Trizma Z - other (specify)	
Project Name: Joliet #9 (Quarry) CCR		Analysis Requested:	
Site: NRG Midwest Generation LSQ Joliet #9 CCR		Total Number of Containers:	
Due Date Requested: 1/4/2024		Perform MS/MSD (Yes or No)	
TAT Requested (days):		Field Filtered Sample (Yes or No)	
PO #:		Raz26Ra228_GFPc	
WO #:		Special Instructions/Note: Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
Project #: 50011504		Special Instructions/Note: Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
SSOW#:		Special Instructions/Note: Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
Sample Identification - Client ID (Lab ID)		Special Instructions/Note: Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
G46S (500-243693-21)	Sample Date: 12/20/23	Sample Time: 09:42 Central	Matrix: Water
R08S (500-243693-22)	Sample Date: 12/20/23	Sample Time: 10:37 Central	Matrix: Water
G45S (500-243693-23)	Sample Date: 12/20/23	Sample Time: 11:29 Central	Matrix: Water
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago			
<b>Possible Hazard Identification</b>			
Unconfirmed			
Deliverable Requested: I, II, III, IV, Other (specify)			
Primary Deliverable Rank: 2			
Empty Kit Relinquished by:			
Date: 12/20/23 1530			
Relinquished by: <i>Shirley Booth</i>			
Date/Time: 12/20/23 1530			
Relinquished by: <i>M.A. Pinetta</i>			
Date/Time: DEC 22 2023 045			
Relinquished by:			
Date/Time:			
Custody Seals Intact: Custody Seal No.:			
Δ Yes Δ No			
Cooler Temperature(s) °C and Other Remarks:			



# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-243693-2

**Login Number: 243693**

**List Number: 1**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	4.2,3.7,0.7,2.6,3.0,5.3,3.4,0.8,4.2,2.9
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 <math><6\text{mm}</math> (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: 500-243693-2

**Login Number: 243693**

**List Number: 2**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 12/13/23 11:52 AM**

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



# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-243693-2

**Login Number: 243693**

**List Number: 3**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 12/14/23 01:42 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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-243693-2

**Login Number: 243693**

**List Number: 4**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 12/15/23 01:04 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-243693-2

**Login Number: 243693**

**List Number: 5**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 12/18/23 01:56 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-243693-2

**Login Number: 243693**

**List Number: 6**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 12/20/23 01:45 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-243693-2

**Login Number: 243693**

**List Number: 7**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 12/22/23 02:51 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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G20S**

Date Collected: 12/11/23 10:08

Date Received: 12/11/23 15:25

**Lab Sample ID: 500-243693-1**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			640729	KAC	EET SL	12/14/23 10:32
Total/NA	Analysis	903.0		1	643470	FLC	EET SL	01/09/24 18:57
Total/NA	Prep	PrecSep_0			640730	KAC	EET SL	12/14/23 10:37
Total/NA	Analysis	904.0		1	643079	EMH	EET SL	01/05/24 11:19
Total/NA	Analysis	Ra226_Ra228		1	644011	EMH	EET SL	01/11/24 17:56

**Client Sample ID: G31S**

Date Collected: 12/11/23 14:22

Date Received: 12/11/23 15:25

**Lab Sample ID: 500-243693-2**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			640729	KAC	EET SL	12/14/23 10:32
Total/NA	Analysis	903.0		1	643470	FLC	EET SL	01/09/24 18:57
Total/NA	Prep	PrecSep_0			640730	KAC	EET SL	12/14/23 10:37
Total/NA	Analysis	904.0		1	643079	EMH	EET SL	01/05/24 11:20
Total/NA	Analysis	Ra226_Ra228		1	644011	EMH	EET SL	01/11/24 17:56

**Client Sample ID: T02S**

Date Collected: 12/12/23 09:34

Date Received: 12/12/23 14:40

**Lab Sample ID: 500-243693-3**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			640842	BMW	EET SL	12/15/23 08:17
Total/NA	Analysis	903.0		1	644163	FLC	EET SL	01/12/24 09:31
Total/NA	Prep	PrecSep_0			640843	BMW	EET SL	12/15/23 08:30
Total/NA	Analysis	904.0		1	642722	FLC	EET SL	01/02/24 11:58
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

**Client Sample ID: T03S**

Date Collected: 12/12/23 11:04

Date Received: 12/12/23 14:40

**Lab Sample ID: 500-243693-4**

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			640842	BMW	EET SL	12/15/23 08:17
Total/NA	Analysis	903.0		1	644163	FLC	EET SL	01/12/24 09:32
Total/NA	Prep	PrecSep_0			640843	BMW	EET SL	12/15/23 08:30
Total/NA	Analysis	904.0		1	642722	FLC	EET SL	01/02/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Client Sample ID: T09S

Lab Sample ID: 500-243693-5

Date Collected: 12/12/23 12:45

Matrix: Water

Date Received: 12/12/23 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			640842	BMW	EET SL	12/15/23 08:17
Total/NA	Analysis	903.0		1	644163	FLC	EET SL	01/12/24 09:32
Total/NA	Prep	PrecSep_0			640843	BMW	EET SL	12/15/23 08:30
Total/NA	Analysis	904.0		1	642722	FLC	EET SL	01/02/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

## Client Sample ID: T01S

Lab Sample ID: 500-243693-6

Date Collected: 12/13/23 09:45

Matrix: Water

Date Received: 12/13/23 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			640842	BMW	EET SL	12/15/23 08:17
Total/NA	Analysis	903.0		1	644163	FLC	EET SL	01/12/24 09:32
Total/NA	Prep	PrecSep_0			640843	BMW	EET SL	12/15/23 08:30
Total/NA	Analysis	904.0		1	642722	FLC	EET SL	01/02/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

## Client Sample ID: T08S

Lab Sample ID: 500-243693-7

Date Collected: 12/14/23 09:35

Matrix: Water

Date Received: 12/14/23 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641862	BMW	EET SL	12/21/23 16:09
Total/NA	Analysis	903.0		1	644444	FLC	EET SL	01/16/24 18:57
Total/NA	Prep	PrecSep_0			641230	BMW	EET SL	12/18/23 09:58
Total/NA	Analysis	904.0		1	644444	FLC	EET SL	01/16/24 11:32
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

## Client Sample ID: T06S

Lab Sample ID: 500-243693-8

Date Collected: 12/14/23 11:35

Matrix: Water

Date Received: 12/14/23 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641862	BMW	EET SL	12/21/23 16:09
Total/NA	Analysis	903.0		1	644444	FLC	EET SL	01/16/24 18:57
Total/NA	Prep	PrecSep_0			641230	BMW	EET SL	12/18/23 09:58
Total/NA	Analysis	904.0		1	644444	FLC	EET SL	01/16/24 11:32
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Client Sample ID: T05S

## Lab Sample ID: 500-243693-9

Date Collected: 12/14/23 13:25

Matrix: Water

Date Received: 12/14/23 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641862	BMW	EET SL	12/21/23 16:09
Total/NA	Analysis	903.0		1	644507	FLC	EET SL	01/16/24 19:06
Total/NA	Prep	PrecSep_0			641230	BMW	EET SL	12/18/23 09:58
Total/NA	Analysis	904.0		1	644507	FLC	EET SL	01/16/24 11:43
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

## Client Sample ID: G33S

## Lab Sample ID: 500-243693-10

Date Collected: 12/15/23 09:30

Matrix: Water

Date Received: 12/15/23 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641437	KAC	EET SL	12/19/23 10:42
Total/NA	Analysis	903.0		1	644570	FLC	EET SL	01/17/24 09:22
Total/NA	Prep	PrecSep_0			641438	KAC	EET SL	12/19/23 10:46
Total/NA	Analysis	904.0		1	644506	CMM	EET SL	01/16/24 11:32
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

## Client Sample ID: G39S

## Lab Sample ID: 500-243693-11

Date Collected: 12/18/23 09:27

Matrix: Water

Date Received: 12/18/23 15:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641814	KAC	EET SL	12/21/23 10:29
Total/NA	Analysis	903.0		1	644569	FLC	EET SL	01/17/24 15:10
Total/NA	Prep	PrecSep_0			641815	KAC	EET SL	12/21/23 10:33
Total/NA	Analysis	904.0		1	644570	FLC	EET SL	01/17/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/18/24 09:32

## Client Sample ID: T11S

## Lab Sample ID: 500-243693-12

Date Collected: 12/18/23 10:20

Matrix: GW

Date Received: 12/18/23 15:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641814	KAC	EET SL	12/21/23 10:29
Total/NA	Analysis	903.0		1	644569	FLC	EET SL	01/17/24 15:10
Total/NA	Prep	PrecSep_0			641815	KAC	EET SL	12/21/23 10:33
Total/NA	Analysis	904.0		1	644570	FLC	EET SL	01/17/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/18/24 09:32

# Lab Chronicle

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Client Sample ID: G47S

Date Collected: 12/18/23 11:31

Date Received: 12/18/23 15:18

Lab Sample ID: 500-243693-13

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641814	KAC	EET SL	12/21/23 10:29
Total/NA	Analysis	903.0		1	644569	FLC	EET SL	01/17/24 15:10
Total/NA	Prep	PrecSep_0			641815	KAC	EET SL	12/21/23 10:33
Total/NA	Analysis	904.0		1	644570	FLC	EET SL	01/17/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/18/24 09:32

## Client Sample ID: G48S

Date Collected: 12/18/23 12:45

Date Received: 12/18/23 15:18

Lab Sample ID: 500-243693-14

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641814	KAC	EET SL	12/21/23 10:29
Total/NA	Analysis	903.0		1	644570	FLC	EET SL	01/17/24 15:19
Total/NA	Prep	PrecSep_0			641815	KAC	EET SL	12/21/23 10:33
Total/NA	Analysis	904.0		1	644570	FLC	EET SL	01/17/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/18/24 09:32

## Client Sample ID: T12S

Date Collected: 12/18/23 14:04

Date Received: 12/18/23 15:18

Lab Sample ID: 500-243693-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			641814	KAC	EET SL	12/21/23 10:29
Total/NA	Analysis	903.0		1	644570	FLC	EET SL	01/17/24 15:19
Total/NA	Prep	PrecSep_0			641815	KAC	EET SL	12/21/23 10:33
Total/NA	Analysis	904.0		1	644570	FLC	EET SL	01/17/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/18/24 09:32

## Client Sample ID: G30S

Date Collected: 12/19/23 09:08

Date Received: 12/19/23 15:07

Lab Sample ID: 500-243693-16

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			642047	KAC	EET SL	12/27/23 09:39
Total/NA	Analysis	903.0		1	644793	FLC	EET SL	01/18/24 17:20
Total/NA	Prep	PrecSep_0			642048	KAC	EET SL	12/27/23 09:42
Total/NA	Analysis	904.0		1	644569	FLC	EET SL	01/17/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

# Lab Chronicle

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

## Client Sample ID: R32S

Date Collected: 12/19/23 11:01

Date Received: 12/19/23 15:07

## Lab Sample ID: 500-243693-17

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			642047	KAC	EET SL	12/27/23 09:39
Total/NA	Analysis	903.0		1	644793	FLC	EET SL	01/18/24 17:20
Total/NA	Prep	PrecSep_0			642048	KAC	EET SL	12/27/23 09:42
Total/NA	Analysis	904.0		1	644569	FLC	EET SL	01/17/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

## Client Sample ID: T13S

Date Collected: 12/19/23 12:08

Date Received: 12/19/23 15:07

## Lab Sample ID: 500-243693-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			642047	KAC	EET SL	12/27/23 09:39
Total/NA	Analysis	903.0		1	644793	FLC	EET SL	01/18/24 17:20
Total/NA	Prep	PrecSep_0			642048	KAC	EET SL	12/27/23 09:42
Total/NA	Analysis	904.0		1	644569	FLC	EET SL	01/17/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

## Client Sample ID: T13S Dup

Date Collected: 12/19/23 12:08

Date Received: 12/19/23 15:07

## Lab Sample ID: 500-243693-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			642047	KAC	EET SL	12/27/23 09:39
Total/NA	Analysis	903.0		1	644793	FLC	EET SL	01/18/24 17:20
Total/NA	Prep	PrecSep_0			642048	KAC	EET SL	12/27/23 09:42
Total/NA	Analysis	904.0		1	644569	FLC	EET SL	01/17/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

## Client Sample ID: G44S

Date Collected: 12/19/23 13:39

Date Received: 12/19/23 15:07

## Lab Sample ID: 500-243693-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			642047	KAC	EET SL	12/27/23 09:39
Total/NA	Analysis	903.0		1	644793	FLC	EET SL	01/18/24 17:20
Total/NA	Prep	PrecSep_0			642048	KAC	EET SL	12/27/23 09:42
Total/NA	Analysis	904.0		1	644569	FLC	EET SL	01/17/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05



# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

**Client Sample ID: G46S**

**Lab Sample ID: 500-243693-21**

Date Collected: 12/20/23 09:42

Matrix: Water

Date Received: 12/20/23 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			642047	KAC	EET SL	12/27/23 09:39
Total/NA	Analysis	903.0		1	644793	FLC	EET SL	01/18/24 17:20
Total/NA	Prep	PrecSep_0			642048	KAC	EET SL	12/27/23 09:42
Total/NA	Analysis	904.0		1	644569	FLC	EET SL	01/17/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

**Client Sample ID: R08S**

**Lab Sample ID: 500-243693-22**

Date Collected: 12/20/23 10:37

Matrix: Water

Date Received: 12/20/23 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			642047	KAC	EET SL	12/27/23 09:39
Total/NA	Analysis	903.0		1	644793	FLC	EET SL	01/18/24 19:05
Total/NA	Prep	PrecSep_0			642048	KAC	EET SL	12/27/23 09:42
Total/NA	Analysis	904.0		1	644569	FLC	EET SL	01/17/24 11:38
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:09

**Client Sample ID: G45S**

**Lab Sample ID: 500-243693-23**

Date Collected: 12/20/23 11:29

Matrix: Water

Date Received: 12/20/23 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			642047	KAC	EET SL	12/27/23 09:39
Total/NA	Analysis	903.0		1	644793	FLC	EET SL	01/18/24 19:05
Total/NA	Prep	PrecSep_0			642048	KAC	EET SL	12/27/23 09:42
Total/NA	Analysis	904.0		1	644569	FLC	EET SL	01/17/24 11:38
Total/NA	Analysis	Ra226_Ra228		1	644771	EMH	EET SL	01/19/24 16:05

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Tracer/Carrier Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

Matrix: GW

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)
500-243693-4	T03S	91.0
500-243693-12	T11S	89.6
500-243693-13	G47S	85.3
500-243693-14	G48S	88.8
500-243693-16	G30S	79.6
500-243693-17	R32S	82.6

#### Tracer/Carrier Legend

Ba = Ba Carrier

## 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)
500-243693-1	G20S	94.8
500-243693-1 DU	G20S	93.8
500-243693-2	G31S	92.0
500-243693-3	T02S	91.8
500-243693-5	T09S	88.8
500-243693-6	T01S	94.0
500-243693-7	T08S	85.3
500-243693-7 DU	T08S	87.3
500-243693-8	T06S	87.1
500-243693-9	T05S	77.9
500-243693-10	G33S	41.8
500-243693-11	G39S	83.1
500-243693-11 DU	G39S	89.6
500-243693-15	T12S	62.4
500-243693-18	T13S	76.4
500-243693-19	T13S Dup	71.1
500-243693-20	G44S	80.6
500-243693-21	G46S	79.6
500-243693-22	R08S	87.6
500-243693-23	G45S	89.3
LCS 160-640729/2-A	Lab Control Sample	96.5
LCS 160-640842/2-A	Lab Control Sample	95.3
LCS 160-641437/2-A	Lab Control Sample	77.1
LCS 160-641814/2-A	Lab Control Sample	97.5
LCS 160-641862/2-A	Lab Control Sample	95.5
LCS 160-642047/2-A	Lab Control Sample	94.3
MB 160-640729/1-A	Method Blank	95.0
MB 160-640842/1-A	Method Blank	101
MB 160-641437/1-A	Method Blank	84.8
MB 160-641814/1-A	Method Blank	96.8
MB 160-641862/1-A	Method Blank	96.5
MB 160-642047/1-A	Method Blank	93.3

#### Tracer/Carrier Legend

Ba = Ba Carrier

Eurofins Chicago

# Tracer/Carrier Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23

Job ID: 500-243693-2

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

Matrix: GW

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-243693-4	T03S	91.0	74.8
500-243693-12	T11S	89.6	83.7
500-243693-13	G47S	85.3	84.5
500-243693-14	G48S	88.8	81.9
500-243693-16	G30S	79.6	82.2
500-243693-17	R32S	82.6	84.9

#### Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

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

Matrix: Water

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-243693-1	G20S	94.8	79.3
500-243693-1 DU	G20S	93.8	78.5
500-243693-2	G31S	92.0	76.6
500-243693-3	T02S	91.8	77.4
500-243693-5	T09S	88.8	74.4
500-243693-6	T01S	94.0	84.9
500-243693-7	T08S	85.3	84.1
500-243693-7 DU	T08S	87.3	80.7
500-243693-8	T06S	87.1	80.7
500-243693-9	T05S	77.9	79.3
500-243693-10	G33S	41.8	81.1
500-243693-11	G39S	83.1	82.2
500-243693-11 DU	G39S	89.6	82.6
500-243693-15	T12S	62.4	78.5
500-243693-18	T13S	76.4	76.6
500-243693-19	T13S Dup	71.1	81.5
500-243693-20	G44S	80.6	66.2
500-243693-21	G46S	79.6	79.3
500-243693-22	R08S	87.6	84.1
500-243693-23	G45S	89.3	87.5
LCS 160-640730/2-A	Lab Control Sample	98.0	79.6
LCS 160-640843/2-A	Lab Control Sample	95.3	79.3
LCS 160-641230/2-A	Lab Control Sample	95.5	81.5
LCS 160-641438/2-A	Lab Control Sample	77.1	76.3
LCS 160-641815/2-A	Lab Control Sample	97.5	85.2
LCS 160-642048/2-A	Lab Control Sample	94.3	86.0
MB 160-640730/1-A	Method Blank	95.0	82.2
MB 160-640843/1-A	Method Blank	101	81.1
MB 160-641230/1-A	Method Blank	96.5	81.9
MB 160-641438/1-A	Method Blank	84.8	80.4
MB 160-641815/1-A	Method Blank	96.8	83.0
MB 160-642048/1-A	Method Blank	93.3	81.5

#### Tracer/Carrier Legend

Eurofins Chicago

# Tracer/Carrier Summary

Client: Midwest Generation EME LLC  
Project/Site: Joliet #9 (Quarry) CCR 4Q23  
Ba = Ba Carrier  
Y = Y Carrier

Job ID: 500-243693-2

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