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 2nd quarter 2022 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

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

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
G45S up-gradient	11/20/2015	0.81	120	180	0.35	7.20	360	810	< 0.003	0.0081	0.044	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	0.0120	1.76	< 0.0025	< 0.002
	5/12/2016	0.68	110	140	0.34	7.37	230	860	< 0.003	0.0076	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	0.0100	3.01	< 0.0025	< 0.002
	6/30/2016	0.48	87	110	0.34	7.50	170	670	< 0.003	0.0075	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.034	< 0.0002	0.008	2.05	< 0.0025	< 0.002
	8/25/2016	0.47	94	100	0.35	7.28	170	790	< 0.003	0.0076	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.031	< 0.0002	0.0086	1.91	< 0.0025	< 0.002
	11/16/2016	0.41	91	90	0.33	7.34	170	620	< 0.003	0.0079	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0094	2.04	< 0.0025	< 0.002
	2/14/2017	0.43	97	97	0.32	7.36	160	620	< 0.003	0.0093	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.0083	1.85	< 0.0025	< 0.002
	5/23/2017	0.36	85	110	0.35	7.30	150	660	< 0.003	0.0082	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.0093	1.40	< 0.0025	< 0.002
	7/7/2017	0.42	94	120	< 0.1	7.21	150	600	< 0.003	0.0086	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.0002	0.007	1.88	< 0.0025	< 0.002
	9/26/2017	0.43	110	130	0.3	7.21	160	790	< 0.003	0.0096	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.0079	2.14	< 0.0025	< 0.002
	11/21/2017	0.34	96	130	0.33	7.29	180	700	< 0.003	0.0094	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0072	8.45	< 0.0025	< 0.002
	3/9/2018	0.38	97	110	0.32	7.18	180	710	< 0.003	0.0093	0.036	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	^< 0.0002	0.008	1.89	< 0.0025	< 0.002
	5/21/2018	0.76	110	150	0.33	7.00	230	970	NA	0.0072	0.047	NA	NA	NA	< 0.001	< 0.0005	0.033	NA	0.013	2.37	< 0.0025	NA
	12/7/2018	0.46	91	120	0.33	7.02	100	740	NA	0.0090	0.034	NA	NA	NA	< 0.001	< 0.0005	0.031	NA	0.0100	1.910	< 0.0025	NA
	6/28/2019	0.39	96	130	0.33	7.51	120	720	NA	0.0100	0.039	NA	NA	NA	< 0.001	< 0.0005	0.032	NA	0.0087	1.99	< 0.0025	NA
	11/14/2019	0.48	110	170	0.33	7.33	170	830	NA	< 0.0100	0.042	NA	NA	NA	< 0.001	< 0.0005	0.034	NA	0.0100	2.89	< 0.010	NA
	6/26/2020	0.62	130	220	0.33	7.21	240	970	NA	0.011	0.049	NA	NA	NA	< 0.001	< 0.0005	0.039	NA	0.0088	3.1	< 0.0025	NA
	12/11/2020	0.70	120	180	0.38	7.16	220	760	NA	0.011	0.042	NA	NA	NA	< 0.001	^+ < 0.0005	0.038	NA	0.012	1.88	< 0.0025	NA
	6/28/2021	0.44	91	110	0.35	7.20	150	680	< 3.0	0.01	0.034	< 1.0	< 0.50	< 5.00	< 0.001	< 0.0005	0.031	< 0.0002	0.0083	2.14	< 0.0025	< 2.0
	9/23/2021	0.39	85	110	0.35	7.43	140	690	< 0.003	0.01	0.36	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.0002	0.0076	2.77	< 0.0025	< 0.002
	12/16/2021	0.34	84	87	0.36	7.35	130	510	< 0.003	0.0092	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0073	1.74	< 0.0025	< 0.002
	3/16/2022	< 0.5	130	86	0.36	7.35	130	700	< 0.003	0.0018	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.075	< 0.0002	0.0092	2.92	< 0.0025	< 0.002
	6/10/2022	0.34	84	110	0.35	7.28	130	630	< 0.003	0.0082	0.036	< 0.001	< 0.01	< 0.01	< 0.001	< 0.0005	0.028	< 0.0002	0.0072	2.17	< 0.0025	< 0.002
T03S up-gradient	11/19/2015	0.5	110	75	0.22	7.07	250	710	< 0.003	0.0019	0.063	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.0260	1.101	< 0.0025	< 0.002
	5/5/2016	0.84	100	100	0.21	7.16	190	820	< 0.003	0.0013	0.081	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.03	1.43	< 0.0025	< 0.002
	6/28/2016	0.98	100	94	0.19	7.30	180	910	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	0.0011	< 0.0005	0.017	< 0.0002	0.037	1.18	< 0.0025	< 0.002
	8/25/2016	1.1	110	99	0.20	7.32	180	880	< 0.003	< 0.001	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.043	1.54	< 0.0025	< 0.002
	11/17/2016	1.3	120	100	0.19	7.14	150	860	< 0.003	0.0012	0.096	< 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.022	< 0.0002	0.14	1.61	< 0.0025	< 0.002
	2/15/2017	1.0	98	110	0.19	7.36	230	810	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	0.0013	< 0.0005	< 0.05	< 0.0002	0.12	0.938	< 0.0025	< 0.002
	5/22/2017	1.4	110	78	0.23	7.25	160	740	< 0.003	0.0017	B 0.088	^< 0.001	< 0.0005	< 0.005	0.0015	0.0023	0.019	< 0.0002	0.13	1.21	< 0.0025	< 0.002
	7/7/2017	1.1	100	F1 71	< 0.1	7.32	180	710	< 0.003	< 0.001	0.078	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.099	1.11	< 0.0025	< 0.002
	9/26/2017	1.3	110	80	0.21	7.19	240	790	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	0.0013	< 0.0005	0.018	< 0.0002	0.14	1.33	< 0.0025	< 0.002
	11/20/2017	1.7	98	90	0.24	7.13	230	770	< 0.003	0.0014	0.087	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.02	< 0.0002	0.20	1.59	< 0.0025	< 0.002
	3/7/2018	1.5	110	110	0.23	7.34	250	900	< 0.003	0.0023	0.093	< 0.001	< 0.0005	< 0.005	0.0013	< 0.0005	0.022	< 0.0002	0.26	1.30	< 0.0025	< 0.002
	5/17/2018	1.8	100	82	0.24	7.07	210	890	NA	0.001	0.087	NA	NA	NA	0.0013	< 0.0005	0.021	NA	0.240	1.25	< 0.0025	NA
	12/11/2018	1.8	100	140	0.23	6.96	160	890	NA	0.0014	0.095	NA	NA	NA	0.0012	< 0.0005	0.021	NA	0.270	1.31	< 0.0025	NA
	6/24/2019	2.7	100	89	0.27	7.17	260	830	NA	0.0020	0.090	NA	NA	NA	0.0010	< 0.0005	0.027	NA	0.370	1.33	< 0.0025	NA
	10/28/2019	1.5	100	73	0.25	7.19	< 500	780	NA	< 0.0100	0.088	NA	NA	NA	0.0011	< 0.0050	0.026	NA	0.210	1.38	< 0.0100	NA
	6/23/2020	2.3	97	74	0.33	7.29	240	770	NA	0.0024	0.093	NA	NA	NA	< 0.001	< 0.0005	0.025	NA	0.23	1.65	< 0.0025	NA
	12/15/2020	1.4	140	F1 170	0.27	7.01	280	960	NA	0.0013	0.11	NA	NA	NA	0.0015	< 0.0005	0.031	NA	0.14	1.74	< 0.0025	NA
	6/22/2021	0.92	120	130	0.23	6.94	220	980	< 0.003	0.0016	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	H < 0.0002	0.071	1.34	< 0.0025	< 0.002
	9/20/2021	1.2	110	110	0.21	7.45	250	640	< 0.003	0.0014	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.12	1.31	< 0.0025	< 0.002
	12/9/2021	2.4	130	110	0.23	7.48	F1 280	870	< 0.003	0.0011	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.026	< 0.0002	0.22	1.44	< 0.0025	< 0.002
	3/14/2022	3.6	31	110	0.22	7.37	280	1000	< 0.003	0.0016	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.032	< 0.0002	0.93	1.44	< 0.0025	< 0.002
	6/13/2022	1.7	130	160	0.21	7.44	260	980	< 0.003	0.0015	0.11	< 0.001	< 0.0005	< 0.005	0.0014	< 0.0005	0.025	< 0.0002	0.17	1.46	< 0.0025	< 0.002
R08S down-gradient	11/23/2015	6.9	130	77	0.19	7.80	520	740	< 0.003	0.0019	0.052	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.410	1.608	0.0061	< 0.002
	5/6/2016	6.1	120	80	0.19	7.70	380	820	< 0.003	0.0013	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.390	1.08	0.0079	< 0.002
	6/28/2016	6.8	130	89	0.18	7.49	320	960	< 0.003	0.0019	0.056	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.37	1.87	F1 0.0074	< 0.002
	8/25/2016	6.3	120	84	0.19	7.54	350	890	< 0.003	0.0015	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.13	< 0.0002	0.33	1.50	0.0032	< 0.002
	11/21/2016	6.4	120	86	0.17	7.53	280	790	< 0.003	0.0016	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.140	< 0.0002	0.36	2.13	0.0037	< 0.002
	2/14/2017	5.4	150	220	0.17	7.60	280	1,000	< 0.003	0.002	0.081	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.120	< 0.0002	0.3	2.71	0.0029	< 0.002
	5/25/2017	12	250	90	0.17	7.56	340	830	< 0.006	0.0028	0.092	^< 0.002	< 0.001	< 0.01	< 0.002	< 0.001	0.250	< 0.0002	0.64	0.821	0.021	< 0.004
	7/6/2017	6.3	140	87	0.17	7.62	350	830	< 0.003	0.002	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	^< 0.0005	0.140	< 0.0002	0.35	1.15	0.0054	^< 0.002
	9/25/2017	7.3	140	81	0.15	7.57	390	840	< 0.003	0.002	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.00067	0.130	< 0.0002	0.38	1.27	0.0079	< 0.002
	11/21/2017	7.3	130	89	0.15	8.05	380	800	< 0.003	0.0017	0.046	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.140	< 0.0002	0.34	1.09	0.015	< 0.002
	3/8/2018	7.4	150	83	0.14	8.62	420	850	< 0.003	0.0016	0.05	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.150	< 0.0002	0.37	1.55	0.012	< 0.002
	5/18/2018	7.7	140	82	0.14	8.25	320	920	NA	0.0013	0.046	NA	NA	NA	< 0.001	< 0.0005	0.150	NA	0.35	1.22	0.017	NA
	12/13/2018	7.7	140	79	0.15	8.11	240	800	NA	0.0012	0.046	NA	NA	NA	< 0.001	< 0.0005	0.150	NA	0.370	1.450	0.0170	NA
	6/19/2019	8.5	140	83	0.14	8.10	360	820	NA	0.0013	0.044	NA	NA	NA	< 0.001	< 0.0005	0.160	NA	0.370	1.5	0.0150	NA
	11/11/2019	6.4	140	84	0.15	7.91	360	730	NA	< 0.010	0.044	NA	NA	NA	< 0.001	< 0.0005	0.15	NA	0.340	1.31	0.0130	NA
	6/26/2020	7.9	140	83	0.15	8.32	370	750	NA	0.0011	0.043	NA	NA	NA	< 0.001	< 0.0005	0.14	NA	0.36	1.68	0.017	NA
	12/14/2020	8.0	130	88	0.18	8.15	400	700	NA	0.0015	0.040	NA	NA	NA	< 0.001	< 0.0005	0.14	NA	0.38	1.53	0.0081	NA
	6/23/2021	7.6	140	79	0.16	8.07	430	810	< 0.003	0.0011	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.15	H < 0.0002	0.37	1.46	0.011	< 0.002
	9/27/2021	0.41	150	80	0.15	8.27	430	740	< 0.003	0.0015	0.042	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0079	< 0.0002	0.40	1.23	0.013	< 0.002
	12/14/2021	7.80	150	77	0.15	8.37	410	830	< 0.003	< 0.001	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.39	1.81	0.012	< 0.002
	3/11/2022	7.70	130	75	0.16	8.21	420	840	< 0.003	0.0014	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.13	< 0.0002	0.37	2.33	0.0027	< 0.002
	6/7/2022	8.7	150	72	0.14	7.94	420	800	< 0.003	0.0014	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.15	< 0.0002	0.4	1.33	0.012	< 0.002
G20S down-gradient	11/19/2015	1.2	59	12	0.82	7.73	110	410	< 0.003	< 0.001	0.049	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	0.0068	2.078	< 0.0025	< 0.002
	5/11/2016	1.2	53	12	0.81	7.52	77	410	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.037	0.00027	0.011	2.52	< 0.0025	< 0.002
	6/29/2016	1.2	54	12	0.82	7.38	69	460	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0011	< 0.0005	0.04	< 0.0002	0.014	2.79	< 0.0025	< 0.002
	8/23/2016	1.3	56	13	0.81	7.41	67	420	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.039	< 0.0002	0.017	3.67	< 0.0025	< 0.002
	11/17/2016	1.3	59	11	0.74	7.44	55	420	< 0.003	< 0.001	0.056	< 0.001	< 0.0005	< 0.005	0.0018	< 0.0005	0.042	< 0.0002	0.019	1.98	< 0.0025	< 0.002
	2/13/2017	1.2	54	13	0.69	7.30	93	400	< 0.003	< 0.001	0.046	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.04	< 0.0002	0.018	2.44	< 0.0025	< 0.002
	5/24/2017	1.3	55	12	0.81	7.45	66	430	< 0.003	< 0.001	0.046	^< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.038	< 0.0002	0.017	2.15	< 0.0025	< 0.002
	7/5/2017	1.3	61	12	0.76	7.37	70	400	< 0.003	< 0.001	0.054	< 0.001	< 0.0005	< 0.005	0.0021	^< 0.0005	0.04	< 0.0002	0.019	1.83	< 0.0025	^< 0.002
	9/25/2017	1.3	60	12	0.78	7.30	76	440	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0015	< 0.0005	0.036	< 0.0002	0.022	2.19	< 0.0025	< 0.002
	11/20/2017	1.3	59	13	0.78	7.06	85	390	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0022	< 0.0005	0.041	< 0.0002	0.021	2.50	< 0.0025	< 0.002
	3/6/2018	1.4	63	12	0.76	7.32	88	460	< 0.003	< 0.001	0.049	^< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.042	< 0.0002	0.021	2.83	< 0.0025	< 0.002
	5/16/2018	1.2	61	12	0.75	7.06	87	410	NA	< 0.001	0.049	NA	NA	NA	0.0024	^< 0.0005	0.04	NA	0.019	2.12	< 0.0025	NA
	12/7/2018	1.2	58	12	0.76	7.41	65	480	NA	< 0.001	0.048	NA	NA	NA	0.0010	0.0048	0.042	NA	0.0230	2.26	< 0.0025	NA
	6/18/2019	1.3	62	13	0.75	7.18	65	440	NA	< 0.001	0.051	NA	NA	NA	0.0018	< 0.0005	0.041	NA	0.017	2.11	< 0.0025	NA
	11/5/2019	1.2	58	13	0.74	7.88	71	410	NA	< 0.010	0.050	NA	NA	NA	0.0023	< 0.0005	0.044	NA	0.021	1.74	< 0.0100	NA
	6/24/2020	1.3	58	13	0.79	7.81	63	360	NA	< 0.010	0.045	NA	NA	NA	< 0.001	< 0.0005	0.038	NA	0.019	2.07	< 0.0025	NA
	12/11/2020	1.4	61	14	0.89	7.41	69	390	NA	< 0.001	0.043	NA	NA	NA	< 0.001	^+ < 0.0005	0.042	NA	0.022	2.16	< 0.0025	NA
	6/23/2021	1.3	60	14	0.77	7.46	70	390	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.047	H < 0.0002	0.022	2.06	< 0.0025	< 0.002
	9/23/2021	1.3	57	14	0.76	7.79	69	320	< 0.003	< 0.001	0.050	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.042	< 0.0002	0.024	1.97	< 0.0025	< 0.002
	12/10/2021	1.4	60	14	0.77	8.33	69	360	< 0.003	0.002	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.025	2.26	< 0.0025	< 0.002
	3/15/2022	1.4	110	15	0.75	7.49	74	500	< 0.003	0.001	0.083	< 0.001	< 0.0005	< 0.005	0.001	< 0.0005	0.025	< 0.0002	0.28	2.34	< 0.0025	< 0.002
	6/7/2022	1.3	60	15	0.76	7.07	71	400	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.016	3.55	< 0.0025	< 0.002
G30S down-gradient	11/20/2015	5.80	63	190	1.3	7.46	580	1,000	< 0.003	0.014	0.041	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.33	1.484	< 0.0025	< 0.002
	5/10/2016	5.4	53	190	1.30	7.68	390	1,100	< 0.003	0.017	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.3	1.41	< 0.0025	< 0.002
	6/30/2016	5.2	60	F1 180	1.30	7.73	410	990	< 0.003	0.013	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.3	1.17	< 0.0025	< 0.002
	8/25/2016	5.7	59	F1 180	1.30	7.70	390	1,100	< 0.003	0.015	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.02	< 0.0002	0.31	1.87	< 0.0025	< 0.002
	11/18/2016	6.4	57	170	1.2	8.04	320	1,100	< 0.003	0.016	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.33	2.36	< 0.0025	< 0.002
	2/14/2017	5.4	62	190	1.2	7.70	450	1,000	< 0.003	0.011	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.24	1.84	< 0.0025	< 0.002
	5/25/2017	11	110	180	1.4	7.67	430	1,100	< 0.006	0.019	0.078	^< 0.002	< 0.001	< 0.01	< 0.002	< 0.001	0.04	< 0.0002	0.45	1.76	< 0.005	< 0.004
	7/7/2017	6.6	54	190	1.3	7.48	410	1,100	< 0.003	0.011	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.26	1.59	< 0.0025	< 0.002
	9/26/2017	6.7	62	190	1.3	8.07	460	1,100	< 0.003	0.011	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.2	1.41	< 0.0025	< 0.002
	11/20/2017	6.1	52	210	1.3	7.77	440	1,100	< 0.003	0.01	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.19	1.73	< 0.0025	< 0.002
	3/7/2018	5.1	56	200	1.3	7.97	470	1,100	< 0.003	0.011	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.14	1.94	< 0.0025	< 0.002
	5/17/2018	5.7	55	210	1.2	7.77	540	1,100	NA	0.011	0.043	NA	NA	NA	< 0.001	< 0.0005	0.021	NA	0.13	1.57	F1 < 0.0025	NA
	12/15/2018	5.8	57	200	1.2	7.99	200	1,100	NA	0.0069	0.041	NA	NA	NA	< 0.001	< 0.0005	0.022	NA	0.065	2.04	< 0.0025	NA
	6/26/2019	5.4	57	220	1.1	7.98	350	1,100	NA	0.0074	0.041	NA	NA	NA	< 0.001	< 0.0005	0.018	NA	0.065	1.18	F1 < 0.0025	NA
	11/6/2019	4.5	58	210	1.1	7.99	350	1,100	NA	0.01	0.041	NA	NA	NA	< 0.001	< 0.0005	0.019	NA	0.013	1.620	0.01	NA
	6/25/2020	4.9	57	220	1.1	8.33	410	1,100	NA	0.0053	0.042	NA	NA	NA	< 0.001	< 0.0005	0.019	NA	0.02	2.19	< 0.0025	NA
	12/7/2020	5.3	57	220	1.2	7.83	450	1,100	NA	0.0044	0.043	NA	NA	NA	< 0.001	< 0.0005	0.024	NA	0.018	2.16	< 0.0025	NA
	6/30/2021	B 5.9	61	200	1.1	7.88	470	1,100	< 3.0	< 0.017	0.048	^1+ < 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.024	< 0.0002	0.017	2.57	< 0.0025	< 2.0
	9/24/2021	0.26	60	210	0.99	8.16	460	1,100	< 0.003	0.0038	0.047	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.012	2.23	< 0.0025	< 0.002
	12/15/2021	5.1	63	200	1	7.95	450	1,200	< 0.003	0.0028	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.01	2.45	< 0.0025	< 0.002
	3/15/2022	4.9	57	200	1	7.91	480	1,300	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.039	< 0.0002	0.017	1.34	< 0.0025	< 0.002
	6/10/2022	5.1	60	200	0.99	7.29	450	1200	< 0.003	0.0024	0.046	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.0095	2.32	< 0.0025	< 0.002

Notes: All units are in mg/l except pH is in standard units and radium is in pCi/L
B - Compound was found in the blank and sample.
H - Sample was prepped or analyzed beyond the specified holding time
NA - Not analyzed. No confirmation resample required.

^ - Instrument related QC is outside acceptance limits.
* - LCS or LCSD is outside acceptance limits.
^1+ or ^+ - Initial or Continuing Calibration Verification limits is outside acceptable limits, high biased.
F1 - MS and/or MSD Recovery outside of limits.

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
R32S down-gradient	11/19/2015	1.3	99	88	0.28	7.32	210	640	< 0.003	0.0018	0.033	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.16	1.928	< 0.0025	< 0.002
	5/5/2016	1.9	100	140	0.32	7.38	210	810	< 0.003	0.0034	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	0.0005	0.069	< 0.0002	0.29	2.26	< 0.0025	< 0.002
	6/29/2016	2.5	110	110	0.35	7.53	280	860	< 0.003	0.0021	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.065	< 0.0002	0.43	2.12	< 0.0025	< 0.002
	8/26/2016	3.0	120	100	0.4	7.30	330	850	< 0.003	0.0014	0.043	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.0002	0.48	2.39	< 0.0025	< 0.002
	11/18/2016	3.3	120	99	0.34	7.38	270	830	< 0.003	0.0016	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.063	< 0.0002	0.55	3.17	< 0.0025	< 0.002
	2/16/2017	F1 4.0	120	99	0.34	7.39	340	830	< 0.003	0.002	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.064	< 0.0002	0.57	1.76	F1 < 0.0025	< 0.002
	5/25/2017	8.3	240	88	0.42	7.54	320	850	< 0.006	0.0042	0.075	^< 0.002	< 0.001	< 0.01	< 0.002	< 0.001	0.14	< 0.0002	1.4	1.82	< 0.005	< 0.004
	7/7/2017	6.2	120	96	0.42	7.61	360	830	< 0.003	0.0043	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.1	< 0.0002	0.87	2.08	< 0.0025	< 0.002
	9/28/2017	4.8	140	78	0.36	7.29	290	870	< 0.003	0.003	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.086	< 0.0002	0.57	1.79	< 0.0025	< 0.002
	11/21/2017	5.7	120	97	0.38	7.50	390	900	< 0.003	0.0037	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.74	1.82	< 0.0025	< 0.002
	3/7/2018	5.8	130	86	0.32	7.57	350	880	< 0.003	0.0029	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.67	2.56	< 0.0025	< 0.002
	5/21/2018	4.4	120	77	0.29	7.13	310	1,000	NA	0.0024	0.04	NA	NA	NA	< 0.001	< 0.0005	0.1	NA	0.64	2.22	< 0.0025	NA
	12/13/2018	3.5	120	F1 72	0.26	7.43	280	880	NA	0.0019	0.043	NA	NA	NA	< 0.001	0.0017	0.080	NA	0.560	2.23	< 0.0025	NA
	6/27/2019	6.3	140	74	0.27	7.33	380	880	NA	0.0027	0.041	NA	NA	NA	< 0.001	< 0.0005	0.090	NA	0.810	2.67	< 0.0025	NA
	11/6/2019	4.8	150	69	0.27	7.45	360	820	NA	< 0.01	0.039	NA	NA	NA	< 0.001	< 0.0005	0.13	NA	0.580	2.370	< 0.0100	NA
	6/29/2020	6.0	130	71	0.28	7.47	400	790	NA	0.0021	0.038	NA	NA	NA	< 0.001	< 0.0005	0.11	NA	0.64	3.92	< 0.0025	NA
	12/16/2020	6.1	150	F1 66	0.34	7.43	430	840	NA	0.0025	0.038	NA	NA	NA	< 0.001	^+ < 0.0005	0.11	NA	0.75	3.22	F1 < 0.0025	NA
	6/28/2021	B 4.0	130	56	0.30	7.16	430	790	< 3.0	< 0.001	0.036	< 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.071	< 0.0002	0.53	2.10	< 0.0025	< 2.0
	9/30/2021	6.0	160	62	0.31	7.47	520	970	< 0.003	0.0029	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	0.95	2.45	< 0.0025	< 0.002
	12/15/2021	4.9	150	59	0.32	7.42	490	930	< 0.003	0.0016	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.097	< 0.0002	0.75	2.68	< 0.0025	< 0.002
	3/16/2022	4.0	9.6	50	0.31	7.56	430	1100	< 0.003	0.037	0.012	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.51	2.61	< 0.0025	< 0.002
	6/10/2022	5.5	120	54	0.31	7.23	460	880	< 0.003	0.0017	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.089	< 0.0002	0.58	2.96	< 0.0025	< 0.002
G44S down-gradient	11/20/2015	1.0	120	43	0.21	7.11	220	640	< 0.003	0.0012	0.053	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.1000	1.161	< 0.0025	< 0.002
	5/9/2016	0.91	110	37	0.18	7.39	120	690	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.046	< 0.415	< 0.0025	< 0.002
	6/30/2016	0.69	100	32	0.18	7.59	99	620	< 0.003	< 0.001	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.025	0.879	< 0.0025	< 0.002
	8/26/2016	0.89	120	36	0.19	7.12	110	710	< 0.003	< 0.001	0.053	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.047	0.816	< 0.0025	< 0.002
	11/16/2016	0.82	120	26	0.17	7.15	88	530	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.041	0.475	< 0.0025	< 0.002
	2/16/2017	0.86	120	30	0.15	7.38	120	620	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.044	0.729	< 0.0025	< 0.002
	5/24/2017	0.83	120	31	0.19	7.08	95	600	< 0.003	< 0.001	0.048	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.031	1.02	< 0.0025	< 0.002
	7/10/2017	0.83	110	30	< 0.1	7.00	110	700	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.061	0.667	< 0.0025	< 0.002
	9/28/2017	0.99	130	30	0.19	7.13	100	730	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.081	0.614	< 0.0025	< 0.002
	11/21/2017	0.79	110	35	0.18	7.06	120	640	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.055	0.913	< 0.0025	< 0.002
	3/7/2018	0.91	120	36	0.18	7.19	110	670	< 0.003	0.0014	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.049	1.31	< 0.0025	< 0.002
	5/17/2018	0.98	120	35	0.18	7.02	96	780	NA	< 0.001	0.054	NA	NA	NA	< 0.001	< 0.0005	0.016	NA	0.071	0.714	< 0.0025	NA
	12/10/2018	1.1	120	43	0.19	7.41	78	630	NA	< 0.001	0.057	NA	NA	NA	< 0.001	< 0.0005	0.019	NA	0.14	0.454	< 0.0025	NA
	6/19/2019	1.3	130	59	0.19	7.02	140	720	NA	< 0.001	0.062	NA	NA	NA	< 0.001	< 0.0005	0.023	NA	0.13	0.841	< 0.0025	NA
	11/12/2019	1.3	140	53	0.21	7.22	160	670	NA	< 0.01	0.065	NA	NA	NA	< 0.001	< 0.0005	0.026	NA	0.20	1.01	< 0.01	NA
	6/29/2020	1.4	130	52	0.21	7.30	160	670	NA	< 0.001	0.06	NA	NA	NA	< 0.001	< 0.0005	0.024	NA	0.15	1.860	< 0.0025	NA
	12/15/2020	1.7	140	52	0.25	7.17	180	650	NA	< 0.001	0.062	NA	NA	NA	< 0.001	< 0.0005	0.03	NA	0.28	1.18	< 0.0025	NA
	6/302021	B 1.9	120	65	0.21	7.00	170	730	< 3.0	< 0.001	0.058	^1+ < 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.026	< 0.0002	0.22	1.29	< 0.0025	< 2.0
	9/27/2021	0.39	130	62	0.20	7.30	180	650	< 0.003	< 0.001	0.065	^+ < 0.001	< 0.0005	< 0.0005	< 0.001	< 0.0005	0.0056	< 0.0002	0.29	1.19	< 0.0025	< 0.002
	12/16/2021	1.9	140	62	0.20	7.21	170	690	< 0.003	< 0.001	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.29	1.12	< 0.0025	< 0.002
	3/15/2022	2.1	58	63	0.21	7.24	180	860	< 0.003	0.0025	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.0093	0.98	< 0.0025	< 0.002
	6/9/2022	1.6	130	75	0.2	7.02	160	730	< 0.003	< 0.001	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.17	1.36	< 0.0025	< 0.002
G46S down-gradient	11/23/2015	6.0	110	80	0.27	7.32	430	780	< 0.003	0.0033	0.064	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.073	< 0.0002	0.5	1.468	< 0.0025	< 0.002
	5/9/2016	7.7	100	100	0.28	7.77	360	940	< 0.003	0.0018	0.099	< 0.001	< 0.0005	< 0.005	< 0.001	0.0005	0.11	< 0.0002	0.7	1.85	< 0.0025	< 0.002
	6/30/2016	7.9	100	99	0.29	8.26	290	880	< 0.003	0.0014	0.098	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.13	< 0.0002	0.71	1.94	< 0.0025	< 0.002
	8/26/2016	7.2	100	120	0.35	7.48	350	1,000	< 0.003	0.0027	0.054	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	1.2	1.17	< 0.0025	< 0.002
	11/18/2016	6.5	110	120	0.39	7.56	330	1,000	< 0.003	0.0025	0.051	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.13	< 0.0002	1.8	< 0.601	< 0.0025	< 0.002
	2/16/2017	6.1	100	150	0.41	7.94	410	1,000	< 0.003	0.0024	0.053	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.091	< 0.0002	1.4	1.07	< 0.0025	< 0.002
	5/22/2017	6.8	100	130	0.44	7.37	350	970	< 0.003	0.0033	B 0.046	^< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.11	< 0.0002	1.4	0.683	< 0.0025	< 0.002
	7/6/2017	4.9	100	150	0.41	7.33	290	880	< 0.003	0.0034	0.044	< 0.001	< 0.0005	< 0.005	0.0010	^< 0.0005	0.076	< 0.0002	0.92	0.709	< 0.0025	^< 0.002
	9/27/2017	4.9	88	160	0.40	7.28	270	890	< 0.003	0.0043	0.031	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.091	< 0.0002	0.63	0.754	< 0.0025	< 0.002
	11/21/2017	5.3	78	170	0.43	7.73	270	800	< 0.003	0.0055	0.032	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.11	< 0.0002	0.68	0.776	< 0.0025	< 0.002
	3/8/2018	5.9	110	140	0.41	7.75	350	940	< 0.003	0.0039	0.049	< 0.001	< 0.0005	< 0.005	< 0.0010	0.00053	0.093	< 0.0002	0.82	1.29	< 0.0025	< 0.002
	5/18/2018	5.9	110	120	0.40	7.66	260	1,100	NA	0.0028	0.048	NA	NA	NA	< 0.0010	< 0.0005	0.073	NA	0.84	1.07	< 0.0025	NA
	12/11/2018	7.60	120	110	0.38	7.66	270	1,100	NA	0.0023	0.055	NA	NA	NA	< 0.001	< 0.0005	0.096	NA	1.20	1.22	< 0.0025	NA
	6/19/2019	13	89	69	0.33	7.64	440	1,000	NA	0.014	0.040	NA	NA	NA	< 0.001	< 0.0005	0.22	NA	1.80	1.37	< 0.0025	NA
	11/13/2019	10	120	68	0.37	7.68	470	1,000	NA	< 0.050	0.041	NA	NA	NA	< 0.001	< 0.0050	0.11	NA	1.60	1.3	< 0.0100	NA
	6/29/2020	13	96	74	0.34	8.06	510	980	NA	0.075	0.05	NA	NA	NA	< 0.001	< 0.0050	0.23	NA	1.7	2.780	< 0.0025	NA
	12/15/2020	10	120	73	0.35	7.74	540	1,000	NA	0.27	0.075	NA	NA	NA	< 0.001	< 0.00085	0.21	NA	1.5	2.16	< 0.0025	NA
	6/30/2021	B 15	120	67	0.30	7.40	590	1,000	< 3.0	0.044	0.05	^1+ < 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.21	< 0.0002	1.6	2.17	< 0.0025	< 2.0
	9/27/2021	0.24	130	66	0.25	7.80	560	1,000	< 0.003	0.046	0.043	^+ < 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.0042	< 0.0002	1.6	1.54	< 0.0025	< 0.002
	12/15/2021	11	140	66	0.27	7.53	500	990	< 0.003	0.18	0.067	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.16	< 0.0002	1.4	2.61	< 0.0025	< 0.002
	3/11/2022	12	130	54	0.34	7.38	600	1,200	< 0.003	0.17	0.069	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.13	< 0.0002	1.6	3.65	< 0.0025	< 0.002
	6/9/2022	11	110	68	0.26	7.36	460	930	< 0.003	0.017	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.18	< 0.0002	1.2	1.72	< 0.0025	< 0.002
G47S down-gradient	11/23/2015	4.6	11	160	0.45	9.22	480	700	< 0.003	0.018	0.018	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	0.32	0.898	0.003	< 0.002
	5/6/2016	5.0	7.8	140	0.72	9.86	410	910	< 0.003	0.034	0.017	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.033	< 0.0002	0.41	0.736	0.0033	< 0.002
	7/1/2016	6.4	8.4	150	0.68	9.32	340	860	< 0.003	0.022	0.019	< 0.001	^< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	0.53	1.01	< 0.0025	< 0.002
	8/24/2016	9.3	9.2	140	0.67	9.19	300	830	< 0.003	0.017	0.023	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.41	1.06	< 0.0025	< 0.002
	11/16/2016	15	1.3	F1 150	1.8	10.08	620	1,700	< 0.003	0.14	0.0091	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	1.4	< 1.38	0.0038	< 0.002
	2/15/2017	7.6	4.4	160	1.1	9.26	540	1,200	< 0.003	0.059	0.016	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.05	< 0.0002	0.57	0.716	0.0035	< 0.002
	5/23/2017	18	0.93	160	2.2	10.03	720	1,800	< 0.003	0.18	0.0081	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	1.3	< 0.361	0.0025	< 0.002
	7/10/2017	18	1.2	150	2.1	10.06	780	1,800	< 0.003	0.17	0.0085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	1.2	0.733	< 0.0025	< 0.002
	9/27/2017	18	1.1	150	2.0	10.15	750	1,900	< 0.003	0.21	0.0085	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	1.3	0.836	0.0027	< 0.002
	11/22/2017	21	1.1	150	2.1	10.56	710	1,800	< 0.003	0.23	0.009	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	1.5	0.692	0.0044	< 0.002
	3/8/2018	18	1.1	170	2.1	10.67	780	1,900	< 0.003	0.25	0.009	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	1.4	0.790	0.0042	< 0.002
	5/18/2018	3.7	1.1	160	1.7	7.79	570	1,800	NA	0.23	0.0087	NA	NA	NA	< 0.001	< 0.0005	0.015	NA	1.5	1.01	0.0039	NA
	12/11/2018	13	2.8	140	1.1	10.14	440	1,300	NA	0.140	0.0110	NA	NA	NA	< 0.001	< 0.0005	0.023	NA	1.10	0.597	0.0031	NA
	6/28/2019	13	2.9	130	1.3	9.95	450	1,400	NA	0.13	0.0120	NA	NA	NA	< 0.001	< 0.0005	0.028	NA	1.00	0.566	< 0.0025	NA
	11/7/2019	4.3	15	140	0.55	8.39	410	1,100	NA	0.029	0.0170	NA	NA	NA	< 0.001	< 0.0050	0.053	NA	0.38	1.02	< 0.0100	NA
	6/30/2020	5.2	16	120	0.59	9.04	F1 440	1,000	NA	0.037	0.015	NA	NA	NA	< 0.001	< 0.0050	0.052	NA	0.46	1.240	0.004	NA
	12/7/2020	7.6	11	120	1.1	9.13	500	1,100	NA	0.066	0.012	NA	NA	NA	< 0.001	< 0.0005	0.047	NA	0.62	< 0.466	< 0.003	NA
	6/24/2021	B 6.1	12	110	0.66	8.68	470	1,000	< 0.003	0.04	0.013	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.05	H < 0.0002	0.48	0.871	0.0027	< 0.002
	9/22/2021	6.5	11	100	0.62	8.83	440	910	< 0.003	0.041	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.053	< 0.0002	0.52	0.764	0.0030	< 0.002
	12/16/2021	6.7	11	98	0.65	8.63	440	900	< 0.003	0.039	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.046	< 0.0002	0.54	1.16	0.0031	< 0.002
	3/16/2022	6.9	40	96	0.66	8.94	450	1,200	< 0.003	0.0074	0.021	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.48	2.12	< 0.0025	< 0.002
	6/9/2022	7.3	9.2	96	0.63	8.39	460	1000	< 0.003	0.038	0.013	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.53	0.76	0.0028	< 0.002
G48S down-gradient	11/20/2015	11.0	6.9	120	1.5	9.08	760	1,100	< 0.003	0.03	0.015	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	1.4	0.8512	< 0.0025	< 0.002
	5/5/2016	9.3	5.9	120	1.5	9.53	560	1,200	< 0.003	0.046	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	1.2	0.800	< 0.0025	< 0.002
	7/1/2016	9.5	4.2	120	1.4	9.60	480	1,100	< 0.003	0.038	0.011	< 0.001	^< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	1.2	1.01	< 0.0025	< 0.002
	8/24/2016	10.0	5.5	120	1.4	9.31	420	1,100	< 0.003	0.032	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	1.1	1.16	< 0.0025	< 0.002
	11/16/2016	9.8	10	110	1.4	9.61	340	1,100	< 0.003	0.03	0.018	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	1.1	1.65	< 0.0025	< 0.002
	2/15/2017	8.4	8.3	120	1.2	9.63	490	1,100	< 0.003	0.038	0.015	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.79	0.824	< 0.0025	< 0.002
	5/23/2017	9.2	8.1	120	1.3	9.49	470	1,100	< 0.003	0.03	0.014	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.95	0.661	< 0.0025	< 0.002
	7/10/2017	7.8	11	110	1.2	8.77	460	1,000	< 0.003	0.022	0.017	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.84	1.39	< 0.0025	< 0.002
	9/27/2017	7.6	18	100	1.1	8.94	480	1,100	< 0.003	0.024	0.019	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.72	1.32	< 0.0025	< 0.002
	11/22/2017	8.6	12	120	1.2	9.42	450	1,000	< 0.003	0.027	0.015	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.77	1.27	< 0.0025	< 0.002
	3/8/2018	5.3	62	100	0.85	8.13	450	1,000	< 0.003	0.017	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.51	2.30	< 0.0025	< 0.002
	5/18/2018	5.9	53	100	0.92	7.79	370	1,100	NA	0.022	0.023	NA	NA	NA	< 0.001	< 0.0005	0.023	NA	0.49	0.962	< 0.0025	NA
	12/11/2018	7.3	23	110	1.1	8.42	310	1,000	NA	0.023	0.016	NA	NA	NA	< 0.001	0.0049	0.019	NA	0.79	0.921	< 0.0025	NA
	6/25/2019	7.1	28	110	1.0	8.07	390	1,000	NA	0.022	0.018	NA	NA	NA	< 0.001	< 0.0005	0.022	NA	0.73	1.33	< 0.0025	NA
	11/7/2019	5.8	18	100	0.89	7.83	380	1,000	NA	0.012	0.027	NA	NA	NA	< 0.001	< 0.005	0.019	NA	0.59	1.24	< 0.01	NA
	6/26/2020	7.1	16	110	1.0	9.20	400	940	NA	0.022	0.017	NA	NA	NA	< 0.001	< 0.005	0.021	NA	0.54	0.971	< 0.0025	NA
	12/7/2020	6.0	29	110	1.1	8.4	410	890	NA	0.016	0.02	NA	NA	NA	< 0.001	< 0.0005	0.026	NA	0.41	2.00	< 0.0025	NA
	6/24/2021	B 4.3	96	96	0.71	7.27	480	1,100	< 0.003	0.0026	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.032	H < 0.0002	0.26	3.89	< 0.0025	< 0.002
	9/22/2021	5.4	45	100	0.74	7.68	440	1,000	< 0.003	0.0061	0.027	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.0002	0.46	2.15	< 0.0025	< 0.002
	12/16/2021	6.0	46	99	0.91	7.02	430	880	< 0.003	0.0076	0.023	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.52	1.87	< 0.0025	< 0.002
	3/16/2022	5.8	130	99	0.96	7.87	430	1,100	< 0.003	< 0.001	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.27	2.56	< 0.0025	< 0.002
	6/9/2022	5.6	58	98	0.87	7.47	440	1000	< 0.003	0.0084	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.38	1.36	< 0.0025	< 0.002

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

B - Compound was found in the blank and sample.

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

NA - Not analyzed. No confirmation resample required.

^ - Instrument related QC is outside acceptance limits.

* - LCS or LCSD is outside acceptance limits.

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

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

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

Well ID	Date	Turbidity (NTU)
G45S	3/12/2021	0.87
	4/5/2021	0.33
	4/23/2021	0.54
	5/18/2021	0.36
	6/8/2021	0.64
	7/2/2021	1.4
	8/12/2021	0.36
	9/2/2021	0.46
	12/16/2021	0.89
	3/16/2022	0.98
	6/10/2022	0.03
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
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
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
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

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
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
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
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
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

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-217628-1
Client Project/Site: Joliet #9 (Quarry) CCR 2Q22

For:
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Attn: John Niedzwiecki

Authorized for release by:
7/5/2022 12:43:31 PM
Robin Kintz, Project Manager II
(708)534-5200
Robin.Kintz@et.eurofinsus.com

Designee for

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

Table of Contents

Job ID: 500-217628-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-217628-1

Comments
No additional comments.

Receipt
The samples were received on 6/6/2022 3:26 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 1.0º C, 1.0º C, 1.3º C, 1.9º C, 2.9º C, 2.9º C, 3.0º C and 4.4º C.

Metals
Method 6020A: The internal standard Terbium (Tb) was used to report the elements Lead and Thallium in batch 500-661121. This was due to the LCS being spiked with the trace digestion spike which contains Bismuth.

Method 6020A: The continuing calibration verification (CCV) at line 32 in AD batch 662557 was outside the control limits for Boron. This CCV bracketed the method blank (MB) and laboratory control sample (LCS) only. The MB and LCS were within the method control limits. The associated samples were bracketed by CCV that were within control limits. 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 500-660353 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-660955 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-661302 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 4500 SO4 E: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-662335 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

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

TAL 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 2Q22

Job ID: 500-217628-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-217628-1	G33S	Water	06/06/22 14:02	06/06/22 15:26
500-217628-2	T04S	Water	06/06/22 14:50	06/06/22 15:26
500-217628-3	G20S	Water	06/07/22 09:19	06/07/22 15:24
500-217628-4	R08S	Water	06/07/22 13:57	06/07/22 15:24
500-217628-5	R08S DUP	Water	06/07/22 13:57	06/07/22 15:24
500-217628-6	T09S	Water	06/08/22 09:08	06/08/22 11:11
500-217628-7	G44S	Water	06/09/22 09:47	06/09/22 15:13
500-217628-8	G46S	Water	06/09/22 10:46	06/09/22 15:13
500-217628-9	G48S	Water	06/09/22 12:38	06/09/22 15:13
500-217628-10	G47S	Water	06/09/22 13:58	06/09/22 15:13
500-217628-11	G30S	GW	06/10/22 09:28	06/10/22 14:38
500-217628-12	R32S	GW	06/10/22 11:19	06/10/22 14:38
500-217628-13	G45S	GW	06/10/22 12:46	06/10/22 14:38
500-217628-14	G31S	Water	06/10/22 13:37	06/10/22 14:38
500-217628-15	T06S	Water	06/13/22 09:35	06/13/22 15:00
500-217628-16	T05S	Water	06/13/22 11:23	06/13/22 15:00
500-217628-17	T03S	Water	06/13/22 13:50	06/13/22 15:00
500-217628-18	T01S	Water	06/14/22 09:42	06/14/22 14:57
500-217628-19	T02S	Water	06/14/22 12:39	06/14/22 14:57
500-217628-20	T08S	Water	06/21/22 09:41	06/21/22 11:23

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G33S

Date Collected: 06/06/22 14:02
Date Received: 06/06/22 15:26

Lab Sample ID: 500-217628-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:07	1
Arsenic	**0.0019**		0.0010		mg/L		06/10/22 08:48	06/13/22 20:07	1
Barium	**0.051**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:07	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:07	1
Boron	**0.78**		0.050		mg/L		06/10/22 08:48	06/14/22 18:06	1
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:07	1
Calcium	**53**		0.20		mg/L		06/10/22 08:48	06/13/22 20:07	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:07	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:07	1
Lead	**0.00077**		0.00050		mg/L		06/10/22 08:48	06/13/22 20:07	1
Lithium	**0.033**		0.010		mg/L		06/10/22 08:48	06/13/22 20:07	1
Molybdenum	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:07	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:48	06/13/22 20:07	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**380**		10		mg/L			06/07/22 03:18	1
Chloride	**12**		2.0		mg/L			06/08/22 10:47	1
Fluoride	**0.62**		0.10		mg/L			06/13/22 14:21	1
Sulfate	**69**	**F1**	10		mg/L			06/08/22 12:57	2

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**27.71**				ft			06/06/22 14:02	1
Depth to Water (ft from MP)	**29.44**				ft			06/06/22 14:02	1
Elevation of well (ft from MP)	**535.65**				ft			06/06/22 14:02	1
Field pH	**7.34**				SU			06/06/22 14:02	1
Field Temperature	**62.8**				Degrees F			06/06/22 14:02	1
Ground Water Elevation	**506.21**				ft			06/06/22 14:02	1
Specific Conductance	**570**				umhos/cm			06/06/22 14:02	1
Well bottom elevation	**452.72**				ft			06/06/22 14:02	1
Field Turbidity	**12.6**				NTU			06/06/22 14:02	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T04S

Date Collected: 06/06/22 14:50
Date Received: 06/06/22 15:26

Lab Sample ID: 500-217628-2

Matrix: Water

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	0				ft			06/06/22 14:50	1
Depth to Water (ft from MP)	0				ft			06/06/22 14:50	1
Elevation of well (ft from MP)	631.35				ft			06/06/22 14:50	1
Field pH	0				SU			06/06/22 14:50	1
Field Temperature	0				Degrees F			06/06/22 14:50	1
Ground Water Elevation	0				ft			06/06/22 14:50	1
Specific Conductance	0				umhos/cm			06/06/22 14:50	1
Well bottom elevation	458.07				ft			06/06/22 14:50	1
Field Turbidity	0				NTU			06/06/22 14:50	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G20S

Date Collected: 06/07/22 09:19
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:10	1
Arsenic	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:10	1
Barium	**0.047**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:10	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:10	1
Boron	**1.3**		0.25		mg/L		06/10/22 08:48	06/14/22 18:10	5
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:10	1
Calcium	**60**		0.20		mg/L		06/10/22 08:48	06/13/22 20:10	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:10	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:10	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:10	1
Lithium	**0.040**		0.010		mg/L		06/10/22 08:48	06/13/22 20:10	1
Molybdenum	**0.016**		0.0050		mg/L		06/10/22 08:48	06/13/22 20:10	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:48	06/13/22 20:10	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**400**		10		mg/L			06/08/22 01:48	1
Chloride	**15**		2.0		mg/L			06/08/22 10:48	1
Fluoride	**0.76**		0.10		mg/L			06/13/22 14:24	1
Sulfate	**71**		10		mg/L			06/08/22 12:58	2

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**64.54**				ft			06/07/22 09:19	1
Depth to Water (ft from MP)	**67.32**				ft			06/07/22 09:19	1
Elevation of well (ft from MP)	**580.94**				ft			06/07/22 09:19	1
Field pH	**7.07**				SU			06/07/22 09:19	1
Field Temperature	**69.4**				Degrees F			06/07/22 09:19	1
Ground Water Elevation	**513.62**				ft			06/07/22 09:19	1
Specific Conductance	**608**				umhos/cm			06/07/22 09:19	1
Well bottom elevation	**442.28**				ft			06/07/22 09:19	1
Field Turbidity	**0.50**				NTU			06/07/22 09:19	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: R08S

Date Collected: 06/07/22 13:57
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:20	1
Arsenic	**0.0014**		0.0010		mg/L		06/10/22 08:48	06/13/22 20:20	1
Barium	**0.042**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:20	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:20	1
Boron	**8.7**		1.0		mg/L		06/10/22 08:48	06/14/22 18:13	20
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:20	1
Calcium	**150**		0.20		mg/L		06/10/22 08:48	06/13/22 20:20	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:20	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:20	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:20	1
Lithium	**0.15**		0.010		mg/L		06/10/22 08:48	06/13/22 20:20	1
Molybdenum	**0.40**		0.0050		mg/L		06/10/22 08:48	06/13/22 20:20	1
Selenium	**0.012**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:20	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**800**		10		mg/L			06/08/22 01:55	1
Chloride	**72**		4.0		mg/L			06/08/22 10:48	2
Fluoride	**0.14**		0.10		mg/L			06/13/22 14:38	1
Sulfate	**420**		50		mg/L			06/08/22 12:58	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**65.65**				ft			06/07/22 13:57	1
Depth to Water (ft from MP)	**68.20**				ft			06/07/22 13:57	1
Elevation of well (ft from MP)	**578.51**				ft			06/07/22 13:57	1
Field pH	**7.94**				SU			06/07/22 13:57	1
Field Temperature	**58.3**				Degrees F			06/07/22 13:57	1
Ground Water Elevation	**510.31**				ft			06/07/22 13:57	1
Specific Conductance	**961**				umhos/cm			06/07/22 13:57	1
Well bottom elevation	**453.08**				ft			06/07/22 13:57	1
Field Turbidity	**0.23**				NTU			06/07/22 13:57	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: R08S DUP

Date Collected: 06/07/22 13:57
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:24	1
Arsenic	**0.0014**		0.0010		mg/L		06/10/22 08:48	06/13/22 20:24	1
Barium	**0.042**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:24	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:24	1
Boron	**8.8**		1.0		mg/L		06/10/22 08:48	06/14/22 18:17	20
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:24	1
Calcium	**140**		0.20		mg/L		06/10/22 08:48	06/13/22 20:24	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:24	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:24	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:24	1
Lithium	**0.16**		0.010		mg/L		06/10/22 08:48	06/13/22 20:24	1
Molybdenum	**0.43**		0.0050		mg/L		06/10/22 08:48	06/13/22 20:24	1
Selenium	**0.012**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:24	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**840**		10		mg/L			06/08/22 02:00	1
Chloride	**73**		4.0		mg/L			06/08/22 11:01	2
Fluoride	**0.14**		0.10		mg/L			06/13/22 14:42	1
Sulfate	**430**		50		mg/L			06/08/22 14:26	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**65.65**				ft			06/07/22 13:57	1
Depth to Water (ft from MP)	**68.20**				ft			06/07/22 13:57	1
Elevation of well (ft from MP)	**578.51**				ft			06/07/22 13:57	1
Field pH	**7.94**				SU			06/07/22 13:57	1
Field Temperature	**58.3**				Degrees F			06/07/22 13:57	1
Ground Water Elevation	**510.31**				ft			06/07/22 13:57	1
Specific Conductance	**961**				umhos/cm			06/07/22 13:57	1
Well bottom elevation	**453.08**				ft			06/07/22 13:57	1
Field Turbidity	**0.23**				NTU			06/07/22 13:57	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T09S

Date Collected: 06/08/22 09:08
Date Received: 06/08/22 11:11

Lab Sample ID: 500-217628-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:27	1
Arsenic	**0.0025**		0.0010		mg/L		06/10/22 08:48	06/13/22 20:27	1
Barium	**0.061**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:27	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:27	1
Boron	**7.4**		1.0		mg/L		06/10/22 08:48	06/14/22 18:20	20
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:27	1
Calcium	**120**		0.20		mg/L		06/10/22 08:48	06/13/22 20:27	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:27	1
Cobalt	**0.0010**		0.0010		mg/L		06/10/22 08:48	06/13/22 20:27	1
Lead	**0.00098**		0.00050		mg/L		06/10/22 08:48	06/13/22 20:27	1
Lithium	**0.079**		0.010		mg/L		06/10/22 08:48	06/13/22 20:27	1
Molybdenum	**0.86**		0.0050		mg/L		06/10/22 08:48	06/13/22 20:27	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:48	06/13/22 20:27	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**970**		10		mg/L			06/09/22 03:35	1
Chloride	**66**		10		mg/L			06/10/22 09:29	5
Fluoride	**0.34**		0.10		mg/L			06/13/22 14:45	1
Sulfate	**440**		100		mg/L			06/13/22 09:20	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**102.68**				ft			06/08/22 09:08	1
Depth to Water (ft from MP)	**105.08**				ft			06/08/22 09:08	1
Elevation of well (ft from MP)	**603.69**				ft			06/08/22 09:08	1
Field pH	**7.28**				SU			06/08/22 09:08	1
Field Temperature	**60.4**				Degrees F			06/08/22 09:08	1
Ground Water Elevation	**498.61**				ft			06/08/22 09:08	1
Specific Conductance	**1138**				umhos/cm			06/08/22 09:08	1
Well bottom elevation	**444.80**				ft			06/08/22 09:08	1
Field Turbidity	**7.70**				inH2O			06/08/22 09:08	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G44S

Date Collected: 06/09/22 09:47
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:31	1
Arsenic	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:31	1
Barium	**0.067**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:31	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:31	1
Boron	**1.6**		0.25		mg/L		06/10/22 08:48	06/14/22 18:23	5
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:31	1
Calcium	**130**		0.20		mg/L		06/10/22 08:48	06/13/22 20:31	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:31	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:31	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:31	1
Lithium	**0.023**		0.010		mg/L		06/10/22 08:48	06/13/22 20:31	1
Molybdenum	**0.17**		0.0050		mg/L		06/10/22 08:48	06/13/22 20:31	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:48	06/13/22 20:31	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**730**		10		mg/L			06/10/22 02:22	1
Chloride	**75**		10		mg/L			06/10/22 09:29	5
Fluoride	**0.20**		0.10		mg/L			06/13/22 14:48	1
Sulfate	**160**		25		mg/L			06/13/22 09:19	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**78.57**				ft			06/09/22 09:47	1
Depth to Water (ft from MP)	**80.75**				ft			06/09/22 09:47	1
Elevation of well (ft from MP)	**586.49**				ft			06/09/22 09:47	1
Field pH	**7.02**				SU			06/09/22 09:47	1
Field Temperature	**57.2**				Degrees F			06/09/22 09:47	1
Ground Water Elevation	**505.74**				ft			06/09/22 09:47	1
Specific Conductance	**1010**				umhos/cm			06/09/22 09:47	1
Well bottom elevation	**455.11**				ft			06/09/22 09:47	1
Field Turbidity	**0.78**				NTU			06/09/22 09:47	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G46S

Date Collected: 06/09/22 10:46
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:34	1
Arsenic	**0.017**		0.0010		mg/L		06/10/22 08:48	06/13/22 20:34	1
Barium	**0.042**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:34	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:34	1
Boron	**11**		1.0		mg/L		06/10/22 08:48	06/14/22 18:27	20
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:34	1
Calcium	**110**		0.20		mg/L		06/10/22 08:48	06/13/22 20:34	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:34	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:34	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:34	1
Lithium	**0.18**		0.010		mg/L		06/10/22 08:48	06/13/22 20:34	1
Molybdenum	**1.2**		0.0050		mg/L		06/10/22 08:48	06/13/22 20:34	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:48	06/13/22 20:34	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**930**		10		mg/L			06/10/22 02:29	1
Chloride	**68**		10		mg/L			06/10/22 09:30	5
Fluoride	**0.26**		0.10		mg/L			06/13/22 15:00	1
Sulfate	**460**		100		mg/L			06/13/22 09:20	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**100.70**				ft			06/09/22 10:46	1
Depth to Water (ft from MP)	**103.40**				ft			06/09/22 10:46	1
Elevation of well (ft from MP)	**601.34**				ft			06/09/22 10:46	1
Field pH	**7.36**				SU			06/09/22 10:46	1
Field Temperature	**57.6**				Degrees F			06/09/22 10:46	1
Ground Water Elevation	**497.94**				ft			06/09/22 10:46	1
Specific Conductance	**1172**				umhos/cm			06/09/22 10:46	1
Well bottom elevation	**453.62**				ft			06/09/22 10:46	1
Field Turbidity	**6.63**				NTU			06/09/22 10:46	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G48S

Date Collected: 06/09/22 12:38
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:38	1
Arsenic	**0.0084**		0.0010		mg/L		06/10/22 08:48	06/13/22 20:38	1
Barium	**0.025**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:38	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:38	1
Boron	**5.6**		1.0		mg/L		06/10/22 08:48	06/14/22 18:30	20
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:38	1
Calcium	**58**		0.20		mg/L		06/10/22 08:48	06/13/22 20:38	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:38	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:38	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:38	1
Lithium	**0.027**		0.010		mg/L		06/10/22 08:48	06/13/22 20:38	1
Molybdenum	**0.38**		0.0050		mg/L		06/10/22 08:48	06/13/22 20:38	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:48	06/13/22 20:38	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1000**		10		mg/L			06/10/22 02:35	1
Chloride	**98**		10		mg/L			06/10/22 09:30	5
Fluoride	**0.87**		0.10		mg/L			06/13/22 15:09	1
Sulfate	**440**		100		mg/L			06/13/22 09:21	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**99.06**				ft			06/09/22 12:38	1
Depth to Water (ft from MP)	**101.51**				ft			06/09/22 12:38	1
Elevation of well (ft from MP)	**620.74**				ft			06/09/22 12:38	1
Field pH	**7.47**				SU			06/09/22 12:38	1
Field Temperature	**63.3**				Degrees F			06/09/22 12:38	1
Ground Water Elevation	**519.23**				ft			06/09/22 12:38	1
Specific Conductance	**1371**				umhos/cm			06/09/22 12:38	1
Well bottom elevation	**468.32**				ft			06/09/22 12:38	1
Field Turbidity	**0.22**				NTU			06/09/22 12:38	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G47S

Date Collected: 06/09/22 13:58
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 20:41	1
Arsenic	**0.038**		0.0010		mg/L		06/10/22 08:48	06/13/22 20:41	1
Barium	**0.013**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:41	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:41	1
Boron	**7.3**		1.0		mg/L		06/10/22 08:48	06/14/22 18:41	20
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:41	1
Calcium	**9.2**		0.20		mg/L		06/10/22 08:48	06/13/22 20:41	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 20:41	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 20:41	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 20:41	1
Lithium	**0.043**		0.010		mg/L		06/10/22 08:48	06/13/22 20:41	1
Molybdenum	**0.53**		0.0050		mg/L		06/10/22 08:48	06/13/22 20:41	1
Selenium	**0.0028**		0.0025		mg/L		06/10/22 08:48	06/13/22 20:41	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 20:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1000**		10		mg/L			06/10/22 02:37	1
Chloride	**96**		10		mg/L			06/10/22 09:31	5
Fluoride	**0.63**		0.10		mg/L			06/13/22 15:22	1
Sulfate	**460**		100		mg/L			06/13/22 09:21	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**89.76**				ft			06/09/22 13:58	1
Depth to Water (ft from MP)	**92.26**				ft			06/09/22 13:58	1
Elevation of well (ft from MP)	**612.04**				ft			06/09/22 13:58	1
Field pH	**8.39**				SU			06/09/22 13:58	1
Field Temperature	**60.1**				Degrees F			06/09/22 13:58	1
Ground Water Elevation	**519.78**				ft			06/09/22 13:58	1
Specific Conductance	**1353**				umhos/cm			06/09/22 13:58	1
Well bottom elevation	**459.84**				ft			06/09/22 13:58	1
Field Turbidity	**-0.11**				NTU			06/09/22 13:58	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G30S

Date Collected: 06/10/22 09:28
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-11

Matrix: GW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/13/22 07:20	06/13/22 17:42	1
Arsenic	**0.0024**		0.0010		mg/L		06/13/22 07:20	06/13/22 17:42	1
Barium	**0.046**		0.0025		mg/L		06/13/22 07:20	06/13/22 17:42	1
Beryllium	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:42	1
Boron	**5.1**		1.0		mg/L		06/13/22 07:20	06/14/22 16:13	20
Cadmium	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:42	1
Calcium	**60**		0.20		mg/L		06/13/22 07:20	06/13/22 17:42	1
Chromium	<0.0050		0.0050		mg/L		06/13/22 07:20	06/13/22 17:42	1
Cobalt	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:42	1
Lead	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:42	1
Lithium	**0.023**		0.010		mg/L		06/13/22 07:20	06/13/22 17:42	1
Molybdenum	**0.0095**		0.0050		mg/L		06/13/22 07:20	06/13/22 17:42	1
Selenium	<0.0025		0.0025		mg/L		06/13/22 07:20	06/13/22 17:42	1
Thallium	<0.0020		0.0020		mg/L		06/13/22 07:20	06/13/22 17:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/14/22 11:20	06/15/22 08:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1200**		10		mg/L			06/13/22 00:46	1
Chloride	**200**		10		mg/L			06/13/22 12:07	5
Fluoride	**0.99**		0.10		mg/L			06/13/22 15:25	1
Sulfate	**450**		50		mg/L			06/13/22 09:21	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**-0.49**				ft			06/10/22 09:28	1
Depth to Water (ft from MP)	**1.82**				ft			06/10/22 09:28	1
Elevation of well (ft from MP)	**524.69**				ft			06/10/22 09:28	1
Field pH	**7.29**				SU			06/10/22 09:28	1
Field Temperature	**55.2**				Degrees F			06/10/22 09:28	1
Ground Water Elevation	**522.87**				ft			06/10/22 09:28	1
Specific Conductance	**1640**				umhos/cm			06/10/22 09:28	1
Well bottom elevation	**462.58**				ft			06/10/22 09:28	1
Field Turbidity	**0.16**				NTU			06/10/22 09:28	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: R32S

Date Collected: 06/10/22 11:19
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-12

Matrix: GW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/13/22 07:20	06/13/22 17:46	1
Arsenic	**0.0017**		0.0010		mg/L		06/13/22 07:20	06/13/22 17:46	1
Barium	**0.034**		0.0025		mg/L		06/13/22 07:20	06/13/22 17:46	1
Beryllium	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:46	1
Boron	**5.5**		0.50		mg/L		06/13/22 07:20	06/14/22 16:16	10
Cadmium	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:46	1
Calcium	**120**		0.20		mg/L		06/13/22 07:20	06/13/22 17:46	1
Chromium	<0.0050		0.0050		mg/L		06/13/22 07:20	06/13/22 17:46	1
Cobalt	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:46	1
Lead	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:46	1
Lithium	**0.089**		0.010		mg/L		06/13/22 07:20	06/13/22 17:46	1
Molybdenum	**0.58**		0.0050		mg/L		06/13/22 07:20	06/13/22 17:46	1
Selenium	<0.0025		0.0025		mg/L		06/13/22 07:20	06/13/22 17:46	1
Thallium	<0.0020		0.0020		mg/L		06/13/22 07:20	06/13/22 17:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/14/22 11:20	06/15/22 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**880**		10		mg/L			06/13/22 00:53	1
Chloride	**54**		10		mg/L			06/13/22 12:06	5
Fluoride	**0.31**		0.10		mg/L			06/13/22 15:29	1
Sulfate	**460**		100		mg/L			06/13/22 09:38	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**18.46**				ft			06/10/22 11:19	1
Depth to Water (ft from MP)	**20.49**				ft			06/10/22 11:19	1
Elevation of well (ft from MP)	**536.91**				ft			06/10/22 11:19	1
Field pH	**7.23**				SU			06/10/22 11:19	1
Field Temperature	**53.6**				Degrees F			06/10/22 11:19	1
Ground Water Elevation	**516.42**				ft			06/10/22 11:19	1
Specific Conductance	**888**				umhos/cm			06/10/22 11:19	1
Well bottom elevation	**457.84**				ft			06/10/22 11:19	1
Field Turbidity	**-0.10**				NTU			06/10/22 11:19	1

Client Sample ID: G45S

Date Collected: 06/10/22 12:46
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-13

Matrix: GW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/13/22 07:20	06/13/22 17:49	1
Arsenic	**0.0082**		0.0010		mg/L		06/13/22 07:20	06/13/22 17:49	1
Barium	**0.036**		0.0025		mg/L		06/13/22 07:20	06/13/22 17:49	1
Beryllium	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:49	1
Boron	**0.34**		0.050		mg/L		06/13/22 07:20	06/14/22 16:20	1
Cadmium	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:49	1
Calcium	**84**		0.20		mg/L		06/13/22 07:20	06/13/22 17:49	1
Chromium	<0.0050		0.0050		mg/L		06/13/22 07:20	06/13/22 17:49	1
Cobalt	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:49	1
Lead	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:49	1
Lithium	**0.028**		0.010		mg/L		06/13/22 07:20	06/13/22 17:49	1
Molybdenum	**0.0072**		0.0050		mg/L		06/13/22 07:20	06/13/22 17:49	1
Selenium	<0.0025		0.0025		mg/L		06/13/22 07:20	06/13/22 17:49	1
Thallium	<0.0020		0.0020		mg/L		06/13/22 07:20	06/13/22 17:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/14/22 11:20	06/15/22 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**630**		10		mg/L			06/13/22 00:59	1
Chloride	**110**		10		mg/L			06/13/22 12:08	5
Fluoride	**0.35**		0.10		mg/L			06/13/22 15:32	1
Sulfate	**130**		50		mg/L			06/13/22 09:38	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**61.10**				ft			06/10/22 12:46	1
Depth to Water (ft from MP)	**64.07**				ft			06/10/22 12:46	1
Elevation of well (ft from MP)	**603.94**				ft			06/10/22 12:46	1
Field pH	**7.28**				SU			06/10/22 12:46	1
Field Temperature	**64.6**				Degrees F			06/10/22 12:46	1
Ground Water Elevation	**539.87**				ft			06/10/22 12:46	1
Specific Conductance	**873**				umhos/cm			06/10/22 12:46	1
Well bottom elevation	**471.05**				ft			06/10/22 12:46	1
Field Turbidity	**0.03**				NTU			06/10/22 12:46	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G31S

Date Collected: 06/10/22 13:37
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/13/22 07:20	06/13/22 17:52	1
Arsenic	**0.0039**		0.0010		mg/L		06/13/22 07:20	06/13/22 17:52	1
Barium	**0.048**		0.0025		mg/L		06/13/22 07:20	06/13/22 17:52	1
Beryllium	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:52	1
Boron	**4.8**		1.0		mg/L		06/13/22 07:20	06/14/22 16:23	20
Cadmium	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:52	1
Calcium	**150**		0.20		mg/L		06/13/22 07:20	06/13/22 17:52	1
Chromium	<0.0050		0.0050		mg/L		06/13/22 07:20	06/13/22 17:52	1
Cobalt	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:52	1
Lead	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:52	1
Lithium	**0.10**		0.010		mg/L		06/13/22 07:20	06/13/22 17:52	1
Molybdenum	**0.81**		0.0050		mg/L		06/13/22 07:20	06/13/22 17:52	1
Selenium	<0.0025		0.0025		mg/L		06/13/22 07:20	06/13/22 17:52	1
Thallium	<0.0020		0.0020		mg/L		06/13/22 07:20	06/13/22 17:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/14/22 11:20	06/15/22 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		10		mg/L			06/13/22 01:01	1
Chloride	**140**		10		mg/L			06/13/22 12:08	5
Fluoride	**0.24**		0.10		mg/L			06/13/22 15:35	1
Sulfate	**480**		100		mg/L			06/13/22 09:39	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**24.87**				ft			06/10/22 13:37	1
Depth to Water (ft from MP)	**27.45**				ft			06/10/22 13:37	1
Elevation of well (ft from MP)	**535.77**				ft			06/10/22 13:37	1
Field pH	**7.29**				SU			06/10/22 13:37	1
Field Temperature	**58.6**				Degrees F			06/10/22 13:37	1
Ground Water Elevation	**508.32**				ft			06/10/22 13:37	1
Specific Conductance	**1413**				umhos/cm			06/10/22 13:37	1
Well bottom elevation	**453.36**				ft			06/10/22 13:37	1
Field Turbidity	**0.42**				NTU			06/10/22 13:37	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T06S

Date Collected: 06/13/22 09:35
Date Received: 06/13/22 15:00

Lab Sample ID: 500-217628-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/14/22 08:53	06/14/22 21:29	1
Arsenic	**0.0020**		0.0010		mg/L		06/14/22 08:53	06/14/22 21:29	1
Barium	**0.033**		0.0025		mg/L		06/14/22 08:53	06/14/22 21:29	1
Beryllium	<0.0010		0.0010		mg/L		06/14/22 08:53	06/14/22 21:29	1
Boron	**1.4**		0.50		mg/L		06/16/22 07:56	06/20/22 11:57	10
Cadmium	<0.00050		0.00050		mg/L		06/14/22 08:53	06/14/22 21:29	1
Calcium	**86**		0.20		mg/L		06/14/22 08:53	06/14/22 21:29	1
Chromium	<0.0050		0.0050		mg/L		06/16/22 07:56	06/17/22 16:01	1
Cobalt	<0.0010		0.0010		mg/L		06/16/22 07:56	06/17/22 16:01	1
Lead	<0.00050		0.00050		mg/L		06/14/22 08:53	06/14/22 21:29	1
Lithium	**0.025**		0.010		mg/L		06/14/22 08:53	06/14/22 21:29	1
Molybdenum	**0.041**		0.0050		mg/L		06/16/22 07:56	06/17/22 16:01	1
Selenium	<0.0025		0.0025		mg/L		06/14/22 08:53	06/14/22 21:29	1
Thallium	<0.0020		0.0020		mg/L		06/14/22 08:53	06/14/22 21:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/22 11:00	06/16/22 07:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**530**		10		mg/L			06/14/22 01:02	1
Chloride	**14**		2.0		mg/L			06/15/22 08:38	1
Fluoride	**0.48**		0.10		mg/L			06/20/22 12:06	1
Sulfate	**130**		25		mg/L			06/14/22 14:00	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**110.41**				ft			06/13/22 09:35	1
Depth to Water (ft from MP)	**112.71**				ft			06/13/22 09:35	1
Elevation of well (ft from MP)	**620.99**				ft			06/13/22 09:35	1
Field pH	**6.80**				SU			06/13/22 09:35	1
Field Temperature	**71.1**				Degrees F			06/13/22 09:35	1
Ground Water Elevation	**508.28**				ft			06/13/22 09:35	1
Specific Conductance	**696**				umhos/cm			06/13/22 09:35	1
Well bottom elevation	**447.94**				ft			06/13/22 09:35	1
Field Turbidity	**0.75**				NTU			06/13/22 09:35	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T05S

Date Collected: 06/13/22 11:23
Date Received: 06/13/22 15:00

Lab Sample ID: 500-217628-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/14/22 08:53	06/14/22 21:32	1
Arsenic	**0.12**		0.0010		mg/L		06/14/22 08:53	06/14/22 21:32	1
Barium	**0.010**		0.0025		mg/L		06/14/22 08:53	06/14/22 21:32	1
Beryllium	<0.0010		0.0010		mg/L		06/14/22 08:53	06/14/22 21:32	1
Boron	**14**		5.0		mg/L		06/16/22 07:56	06/20/22 12:01	100
Cadmium	<0.00050		0.00050		mg/L		06/14/22 08:53	06/14/22 21:32	1
Calcium	**3.1**		0.20		mg/L		06/14/22 08:53	06/14/22 21:32	1
Chromium	<0.0050		0.0050		mg/L		06/16/22 07:56	06/17/22 16:05	1
Cobalt	<0.0010		0.0010		mg/L		06/16/22 07:56	06/17/22 16:05	1
Lead	<0.00050		0.00050		mg/L		06/14/22 08:53	06/14/22 21:32	1
Lithium	**0.019**		0.010		mg/L		06/14/22 08:53	06/14/22 21:32	1
Molybdenum	**0.96**		0.0050		mg/L		06/16/22 07:56	06/17/22 16:05	1
Selenium	**0.0052**		0.0025		mg/L		06/14/22 08:53	06/14/22 21:32	1
Thallium	<0.0020		0.0020		mg/L		06/14/22 08:53	06/14/22 21:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/22 11:00	06/16/22 07:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1500**		10		mg/L			06/14/22 01:10	1
Chloride	**140**		10		mg/L			06/15/22 09:35	5
Fluoride	**1.7**		0.10		mg/L			06/20/22 12:09	1
Sulfate	**610**		100		mg/L			06/14/22 14:15	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**118.17**				ft			06/13/22 11:23	1
Depth to Water (ft from MP)	**120.57**				ft			06/13/22 11:23	1
Elevation of well (ft from MP)	**623.46**				ft			06/13/22 11:23	1
Field pH	**9.81**				SU			06/13/22 11:23	1
Field Temperature	**75.7**				Degrees F			06/13/22 11:23	1
Ground Water Elevation	**502.89**				ft			06/13/22 11:23	1
Specific Conductance	**2090**				umhos/cm			06/13/22 11:23	1
Well bottom elevation	**448.35**				ft			06/13/22 11:23	1
Field Turbidity	**0.26**				NTU			06/13/22 11:23	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T03S

Date Collected: 06/13/22 13:50
Date Received: 06/13/22 15:00

Lab Sample ID: 500-217628-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/14/22 08:53	06/14/22 21:36	1
Arsenic	**0.0015**		0.0010		mg/L		06/14/22 08:53	06/14/22 21:36	1
Barium	**0.11**		0.0025		mg/L		06/14/22 08:53	06/14/22 21:36	1
Beryllium	<0.0010		0.0010		mg/L		06/14/22 08:53	06/14/22 21:36	1
Boron	**1.7**		0.50		mg/L		06/16/22 07:56	06/20/22 12:04	10
Cadmium	<0.00050		0.00050		mg/L		06/14/22 08:53	06/14/22 21:36	1
Calcium	**130**		0.20		mg/L		06/14/22 08:53	06/14/22 21:36	1
Chromium	<0.0050		0.0050		mg/L		06/16/22 07:56	06/17/22 16:08	1
Cobalt	**0.0014**		0.0010		mg/L		06/16/22 07:56	06/17/22 16:08	1
Lead	<0.00050		0.00050		mg/L		06/14/22 08:53	06/14/22 21:36	1
Lithium	**0.025**		0.010		mg/L		06/14/22 08:53	06/14/22 21:36	1
Molybdenum	**0.17**		0.0050		mg/L		06/16/22 07:56	06/17/22 16:08	1
Selenium	<0.0025		0.0025		mg/L		06/14/22 08:53	06/14/22 21:36	1
Thallium	<0.0020		0.0020		mg/L		06/14/22 08:53	06/14/22 21:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/22 11:00	06/16/22 07:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**980**		10		mg/L			06/14/22 01:13	1
Chloride	**160**		10		mg/L			06/15/22 08:39	5
Fluoride	**0.21**		0.10		mg/L			06/20/22 12:12	1
Sulfate	**260**		50		mg/L			06/14/22 14:02	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**131.81**				ft			06/13/22 13:50	1
Depth to Water (ft from MP)	**134.89**				ft			06/13/22 13:50	1
Elevation of well (ft from MP)	**629.74**				ft			06/13/22 13:50	1
Field pH	**7.44**				SU			06/13/22 13:50	1
Field Temperature	**56.8**				Degrees F			06/13/22 13:50	1
Ground Water Elevation	**494.85**				ft			06/13/22 13:50	1
Specific Conductance	**1378**				umhos/cm			06/13/22 13:50	1
Well bottom elevation	**456.70**				ft			06/13/22 13:50	1
Field Turbidity	**-0.10**				NTU			06/13/22 13:50	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T01S

Date Collected: 06/14/22 09:42
Date Received: 06/14/22 14:57

Lab Sample ID: 500-217628-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/15/22 08:37	06/16/22 18:14	1
Arsenic	**0.015**		0.0010		mg/L		06/15/22 08:37	06/16/22 18:14	1
Barium	**0.059**		0.0025		mg/L		06/15/22 08:37	06/16/22 18:14	1
Beryllium	<0.0010		0.0010		mg/L		06/15/22 08:37	06/16/22 18:14	1
Boron	**4.6**		1.0		mg/L		06/20/22 08:13	06/22/22 14:41	20
Cadmium	<0.00050		0.00050		mg/L		06/15/22 08:37	06/16/22 18:14	1
Calcium	**54**		0.20		mg/L		06/15/22 08:37	06/16/22 18:14	1
Chromium	**0.0086**		0.0050		mg/L		06/20/22 08:13	06/20/22 18:34	1
Cobalt	**0.0036**		0.0010		mg/L		06/20/22 08:13	06/20/22 18:34	1
Lead	**0.0025**		0.00050		mg/L		06/15/22 08:37	06/16/22 18:14	1
Lithium	**0.013**		0.010		mg/L		06/15/22 08:37	06/16/22 18:14	1
Molybdenum	**0.34**		0.0050		mg/L		06/20/22 08:13	06/20/22 18:34	1
Selenium	<0.0025		0.0025		mg/L		06/15/22 08:37	06/16/22 18:14	1
Thallium	<0.0020		0.0020		mg/L		06/15/22 08:37	06/16/22 18:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/22 11:00	06/16/22 08:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**990**		10		mg/L			06/17/22 03:34	1
Chloride	**100**		10		mg/L			06/15/22 08:39	5
Fluoride	**1.2**		0.10		mg/L			06/20/22 12:14	1
Sulfate	**420**		50		mg/L			06/15/22 10:36	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**117.46**				ft			06/14/22 09:42	1
Depth to Water (ft from MP)	**119.94**				ft			06/14/22 09:42	1
Elevation of well (ft from MP)	**621.71**				ft			06/14/22 09:42	1
Field pH	**7.81**				SU			06/14/22 09:42	1
Field Temperature	**78.1**				Degrees F			06/14/22 09:42	1
Ground Water Elevation	**501.77**				ft			06/14/22 09:42	1
Specific Conductance	**1237**				umhos/cm			06/14/22 09:42	1
Well bottom elevation	**451.46**				ft			06/14/22 09:42	1
Field Turbidity	**15.7**				NTU			06/14/22 09:42	1

Client Sample ID: T02S

Date Collected: 06/14/22 12:39
Date Received: 06/14/22 14:57

Lab Sample ID: 500-217628-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/15/22 08:37	06/16/22 18:18	1
Arsenic	**0.0094**		0.0010		mg/L		06/15/22 08:37	06/16/22 18:18	1
Barium	**0.066**		0.0025		mg/L		06/15/22 08:37	06/16/22 18:18	1
Beryllium	<0.0010		0.0010		mg/L		06/15/22 08:37	06/16/22 18:18	1
Boron	**5.3**		1.0		mg/L		06/20/22 08:13	06/22/22 14:46	20
Cadmium	<0.00050		0.00050		mg/L		06/15/22 08:37	06/16/22 18:18	1
Calcium	**53**		0.20		mg/L		06/15/22 08:37	06/16/22 18:18	1
Chromium	<0.0050		0.0050		mg/L		06/20/22 08:13	06/20/22 18:38	1
Cobalt	**0.0036**		0.0010		mg/L		06/20/22 08:13	06/20/22 18:38	1
Lead	**0.0017**		0.00050		mg/L		06/15/22 08:37	06/16/22 18:18	1
Lithium	**0.033**		0.010		mg/L		06/15/22 08:37	06/16/22 18:18	1
Molybdenum	**0.46**		0.0050		mg/L		06/20/22 08:13	06/20/22 18:38	1
Selenium	<0.0025		0.0025		mg/L		06/15/22 08:37	06/16/22 18:18	1
Thallium	<0.0020		0.0020		mg/L		06/15/22 08:37	06/16/22 18:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/22 11:00	06/16/22 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**830**		10		mg/L			06/17/22 03:41	1
Chloride	**90**		10		mg/L			06/15/22 08:39	5
Fluoride	**0.46**		0.10		mg/L			06/20/22 12:18	1
Sulfate	**360**		50		mg/L			06/15/22 10:37	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**128.21**				ft			06/14/22 12:39	1
Depth to Water (ft from MP)	**130.54**				ft			06/14/22 12:39	1
Elevation of well (ft from MP)	**626.12**				ft			06/14/22 12:39	1
Field pH	**8.08**				SU			06/14/22 12:39	1
Field Temperature	**89.2**				Degrees F			06/14/22 12:39	1
Ground Water Elevation	**495.58**				ft			06/14/22 12:39	1
Specific Conductance	**1126**				umhos/cm			06/14/22 12:39	1
Well bottom elevation	**453.40**				ft			06/14/22 12:39	1
Field Turbidity	**16.4**				NTU			06/14/22 12:39	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T08S

Date Collected: 06/21/22 09:41
Date Received: 06/21/22 11:23

Lab Sample ID: 500-217628-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/22/22 08:53	06/22/22 19:33	1
Arsenic	**0.020**		0.0010		mg/L		06/22/22 08:53	06/22/22 19:33	1
Barium	**0.032**		0.0025		mg/L		06/22/22 08:53	06/22/22 19:33	1
Beryllium	<0.0010		0.0010		mg/L		06/22/22 08:53	06/22/22 19:33	1
Boron	**7.8**		1.0		mg/L		06/22/22 08:53	06/23/22 18:27	20
Cadmium	<0.00050		0.00050		mg/L		06/22/22 08:53	06/22/22 19:33	1
Calcium	**25**		0.20		mg/L		06/22/22 08:53	06/22/22 19:33	1
Chromium	<0.0050		0.0050		mg/L		06/22/22 08:53	06/22/22 19:33	1
Cobalt	<0.0010		0.0010		mg/L		06/22/22 08:53	06/22/22 19:33	1
Lead	<0.00050		0.00050		mg/L		06/22/22 08:53	06/22/22 19:33	1
Lithium	**0.033**		0.010		mg/L		06/22/22 08:53	06/22/22 19:33	1
Molybdenum	**0.76**		0.0050		mg/L		06/22/22 08:53	06/22/22 19:33	1
Selenium	<0.0025		0.0025		mg/L		06/22/22 08:53	06/22/22 19:33	1
Thallium	<0.0020		0.0020		mg/L		06/22/22 08:53	06/22/22 19:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/22/22 10:55	06/23/22 07:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**970**		10		mg/L			06/22/22 00:55	1
Chloride	**87**		10		mg/L			06/22/22 12:02	5
Fluoride	**0.66**		0.10		mg/L			06/25/22 15:16	1
Sulfate	**470**	**F1**	100		mg/L			06/22/22 10:32	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	**123.17**				ft			06/21/22 09:41	1
Depth to Water (ft from MP)	**125.55**				ft			06/21/22 09:41	1
Elevation of well (ft from MP)	**627.50**				ft			06/21/22 09:41	1
Field pH	**7.44**				SU			06/21/22 09:41	1
Field Temperature	**67.5**				Degrees F			06/21/22 09:41	1
Ground Water Elevation	**501.95**				ft			06/21/22 09:41	1
Specific Conductance	**1299**				umhos/cm			06/21/22 09:41	1
Well bottom elevation	**447.38**				ft			06/21/22 09:41	1
Field Turbidity	**1.34**				NTU			06/21/22 09:41	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

Metals

Prep Batch: 660684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total Recoverable	Water	3005A	
500-217628-3	G20S	Total Recoverable	Water	3005A	
500-217628-4	R08S	Total Recoverable	Water	3005A	
500-217628-5	R08S DUP	Total Recoverable	Water	3005A	
500-217628-6	T09S	Total Recoverable	Water	3005A	
500-217628-7	G44S	Total Recoverable	Water	3005A	
500-217628-8	G46S	Total Recoverable	Water	3005A	
500-217628-9	G48S	Total Recoverable	Water	3005A	
500-217628-10	G47S	Total Recoverable	Water	3005A	
MB 500-660684/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-660684/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 660739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	7470A	
500-217628-3	G20S	Total/NA	Water	7470A	
500-217628-4	R08S	Total/NA	Water	7470A	
500-217628-5	R08S DUP	Total/NA	Water	7470A	
500-217628-6	T09S	Total/NA	Water	7470A	
500-217628-7	G44S	Total/NA	Water	7470A	
500-217628-8	G46S	Total/NA	Water	7470A	
500-217628-9	G48S	Total/NA	Water	7470A	
500-217628-10	G47S	Total/NA	Water	7470A	
MB 500-660739/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-660739/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-217628-3 MS	G20S	Total/NA	Water	7470A	
500-217628-3 MSD	G20S	Total/NA	Water	7470A	
500-217628-3 DU	G20S	Total/NA	Water	7470A	

Prep Batch: 660855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-11	G30S	Total Recoverable	GW	3005A	
500-217628-12	R32S	Total Recoverable	GW	3005A	
500-217628-13	G45S	Total Recoverable	GW	3005A	
500-217628-14	G31S	Total Recoverable	Water	3005A	
MB 500-660855/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-660855/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 660947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	7470A	660739
500-217628-3	G20S	Total/NA	Water	7470A	660739
500-217628-4	R08S	Total/NA	Water	7470A	660739
500-217628-5	R08S DUP	Total/NA	Water	7470A	660739
500-217628-6	T09S	Total/NA	Water	7470A	660739
500-217628-7	G44S	Total/NA	Water	7470A	660739
500-217628-8	G46S	Total/NA	Water	7470A	660739
500-217628-9	G48S	Total/NA	Water	7470A	660739
500-217628-10	G47S	Total/NA	Water	7470A	660739
MB 500-660739/12-A	Method Blank	Total/NA	Water	7470A	660739
LCS 500-660739/13-A	Lab Control Sample	Total/NA	Water	7470A	660739

Metals (Continued)

Analysis Batch: 660947 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-3 MS	G20S	Total/NA	Water	7470A	660739
500-217628-3 MSD	G20S	Total/NA	Water	7470A	660739
500-217628-3 DU	G20S	Total/NA	Water	7470A	660739

Prep Batch: 661080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total Recoverable	Water	3005A	
500-217628-16	T05S	Total Recoverable	Water	3005A	
500-217628-17	T03S	Total Recoverable	Water	3005A	
MB 500-661080/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-661080/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 661121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total Recoverable	Water	6020A	660684
500-217628-3	G20S	Total Recoverable	Water	6020A	660684
500-217628-4	R08S	Total Recoverable	Water	6020A	660684
500-217628-5	R08S DUP	Total Recoverable	Water	6020A	660684
500-217628-6	T09S	Total Recoverable	Water	6020A	660684
500-217628-7	G44S	Total Recoverable	Water	6020A	660684
500-217628-8	G46S	Total Recoverable	Water	6020A	660684
500-217628-9	G48S	Total Recoverable	Water	6020A	660684
500-217628-10	G47S	Total Recoverable	Water	6020A	660684
500-217628-11	G30S	Total Recoverable	GW	6020A	660855
500-217628-12	R32S	Total Recoverable	GW	6020A	660855
500-217628-13	G45S	Total Recoverable	GW	6020A	660855
500-217628-14	G31S	Total Recoverable	Water	6020A	660855
MB 500-660684/1-A	Method Blank	Total Recoverable	Water	6020A	660684
MB 500-660855/1-A	Method Blank	Total Recoverable	Water	6020A	660855
LCS 500-660684/2-A	Lab Control Sample	Total Recoverable	Water	6020A	660684
LCS 500-660855/2-A	Lab Control Sample	Total Recoverable	Water	6020A	660855

Prep Batch: 661136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-11	G30S	Total/NA	GW	7470A	
500-217628-12	R32S	Total/NA	GW	7470A	
500-217628-13	G45S	Total/NA	GW	7470A	
500-217628-14	G31S	Total/NA	Water	7470A	
MB 500-661136/13-A	Method Blank	Total/NA	Water	7470A	
LCS 500-661136/12-A	Lab Control Sample	Total/NA	Water	7470A	
500-217628-11 MS	G30S	Total/NA	GW	7470A	
500-217628-11 MSD	G30S	Total/NA	GW	7470A	
500-217628-11 DU	G30S	Total/NA	GW	7470A	

Prep Batch: 661262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-18	T01S	Total Recoverable	Water	3005A	
500-217628-19	T02S	Total Recoverable	Water	3005A	
MB 500-661262/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-661262/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Analysis Batch: 661300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-11	G30S	Total Recoverable	GW	6020A	660855
500-217628-12	R32S	Total Recoverable	GW	6020A	660855
500-217628-13	G45S	Total Recoverable	GW	6020A	660855
500-217628-14	G31S	Total Recoverable	Water	6020A	660855
MB 500-660855/1-A	Method Blank	Total Recoverable	Water	6020A	660855
LCS 500-660855/2-A	Lab Control Sample	Total Recoverable	Water	6020A	660855

Analysis Batch: 661307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total Recoverable	Water	6020A	660684
500-217628-3	G20S	Total Recoverable	Water	6020A	660684
500-217628-4	R08S	Total Recoverable	Water	6020A	660684
500-217628-5	R08S DUP	Total Recoverable	Water	6020A	660684
500-217628-6	T09S	Total Recoverable	Water	6020A	660684
500-217628-7	G44S	Total Recoverable	Water	6020A	660684
500-217628-8	G46S	Total Recoverable	Water	6020A	660684
500-217628-9	G48S	Total Recoverable	Water	6020A	660684
500-217628-10	G47S	Total Recoverable	Water	6020A	660684
500-217628-15	T06S	Total Recoverable	Water	6020A	661080
500-217628-16	T05S	Total Recoverable	Water	6020A	661080
500-217628-17	T03S	Total Recoverable	Water	6020A	661080
MB 500-660684/1-A	Method Blank	Total Recoverable	Water	6020A	660684
MB 500-661080/1-A	Method Blank	Total Recoverable	Water	6020A	661080
LCS 500-660684/2-A	Lab Control Sample	Total Recoverable	Water	6020A	660684
LCS 500-661080/2-A	Lab Control Sample	Total Recoverable	Water	6020A	661080

Prep Batch: 661309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total/NA	Water	7470A	
500-217628-16	T05S	Total/NA	Water	7470A	
500-217628-17	T03S	Total/NA	Water	7470A	
500-217628-18	T01S	Total/NA	Water	7470A	
500-217628-19	T02S	Total/NA	Water	7470A	
MB 500-661309/13-A	Method Blank	Total/NA	Water	7470A	
LCS 500-661309/12-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 661339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-11	G30S	Total/NA	GW	7470A	661136
500-217628-12	R32S	Total/NA	GW	7470A	661136
500-217628-13	G45S	Total/NA	GW	7470A	661136
500-217628-14	G31S	Total/NA	Water	7470A	661136
MB 500-661136/13-A	Method Blank	Total/NA	Water	7470A	661136
LCS 500-661136/12-A	Lab Control Sample	Total/NA	Water	7470A	661136
500-217628-11 MS	G30S	Total/NA	GW	7470A	661136
500-217628-11 MSD	G30S	Total/NA	GW	7470A	661136
500-217628-11 DU	G30S	Total/NA	GW	7470A	661136

Prep Batch: 661434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 661434 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-16	T05S	Total Recoverable	Water	3005A	
500-217628-17	T03S	Total Recoverable	Water	3005A	
MB 500-661434/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-661434/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 661501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total/NA	Water	7470A	661309
500-217628-16	T05S	Total/NA	Water	7470A	661309
500-217628-17	T03S	Total/NA	Water	7470A	661309
500-217628-18	T01S	Total/NA	Water	7470A	661309
500-217628-19	T02S	Total/NA	Water	7470A	661309
MB 500-661309/13-A	Method Blank	Total/NA	Water	7470A	661309
LCS 500-661309/12-A	Lab Control Sample	Total/NA	Water	7470A	661309

Analysis Batch: 661710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-18	T01S	Total Recoverable	Water	6020A	661262
500-217628-19	T02S	Total Recoverable	Water	6020A	661262
MB 500-661262/1-A	Method Blank	Total Recoverable	Water	6020A	661262
LCS 500-661262/2-A	Lab Control Sample	Total Recoverable	Water	6020A	661262

Prep Batch: 661901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-18	T01S	Total Recoverable	Water	3005A	
500-217628-19	T02S	Total Recoverable	Water	3005A	
MB 500-661901/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-661901/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 661953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total Recoverable	Water	6020A	661434
500-217628-16	T05S	Total Recoverable	Water	6020A	661434
500-217628-17	T03S	Total Recoverable	Water	6020A	661434
MB 500-661434/1-A	Method Blank	Total Recoverable	Water	6020A	661434
LCS 500-661434/2-A	Lab Control Sample	Total Recoverable	Water	6020A	661434

Analysis Batch: 662010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total Recoverable	Water	6020A	661434
500-217628-16	T05S	Total Recoverable	Water	6020A	661434
500-217628-17	T03S	Total Recoverable	Water	6020A	661434
MB 500-661434/1-A	Method Blank	Total Recoverable	Water	6020A	661434
LCS 500-661434/2-A	Lab Control Sample	Total Recoverable	Water	6020A	661434

Prep Batch: 662301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total Recoverable	Water	3005A	
MB 500-662301/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-662301/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Prep Batch: 662349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total/NA	Water	7470A	
MB 500-662349/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-662349/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 662363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-18	T01S	Total Recoverable	Water	6020A	661901
500-217628-19	T02S	Total Recoverable	Water	6020A	661901
MB 500-661901/1-A	Method Blank	Total Recoverable	Water	6020A	661901
LCS 500-661901/2-A	Lab Control Sample	Total Recoverable	Water	6020A	661901

Analysis Batch: 662557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-18	T01S	Total Recoverable	Water	6020A	661901
500-217628-19	T02S	Total Recoverable	Water	6020A	661901
MB 500-661901/1-A	Method Blank	Total Recoverable	Water	6020A	661901
LCS 500-661901/2-A	Lab Control Sample	Total Recoverable	Water	6020A	661901

Analysis Batch: 662558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total Recoverable	Water	6020A	662301
MB 500-662301/1-A	Method Blank	Total Recoverable	Water	6020A	662301
LCS 500-662301/2-A	Lab Control Sample	Total Recoverable	Water	6020A	662301

Analysis Batch: 662560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total/NA	Water	7470A	662349
MB 500-662349/12-A	Method Blank	Total/NA	Water	7470A	662349
LCS 500-662349/13-A	Lab Control Sample	Total/NA	Water	7470A	662349

Analysis Batch: 662743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total Recoverable	Water	6020A	662301
MB 500-662301/1-A	Method Blank	Total Recoverable	Water	6020A	662301
LCS 500-662301/2-A	Lab Control Sample	Total Recoverable	Water	6020A	662301

General Chemistry

Analysis Batch: 660040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	SM 2540C	
MB 500-660040/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-660040/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 660231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-3	G20S	Total/NA	Water	SM 2540C	
500-217628-4	R08S	Total/NA	Water	SM 2540C	
500-217628-5	R08S DUP	Total/NA	Water	SM 2540C	
MB 500-660231/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-660231/2	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 660231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-3 MS	G20S	Total/NA	Water	SM 2540C	
500-217628-3 DU	G20S	Total/NA	Water	SM 2540C	
500-217628-4 DU	R08S	Total/NA	Water	SM 2540C	

Analysis Batch: 660327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	SM 4500 Cl- E	
500-217628-3	G20S	Total/NA	Water	SM 4500 Cl- E	
500-217628-4	R08S	Total/NA	Water	SM 4500 Cl- E	
500-217628-5	R08S DUP	Total/NA	Water	SM 4500 Cl- E	
MB 500-660327/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-660327/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-217628-1 MS	G33S	Total/NA	Water	SM 4500 Cl- E	
500-217628-1 MSD	G33S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 660353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	SM 4500 SO4 E	
500-217628-3	G20S	Total/NA	Water	SM 4500 SO4 E	
500-217628-4	R08S	Total/NA	Water	SM 4500 SO4 E	
500-217628-5	R08S DUP	Total/NA	Water	SM 4500 SO4 E	
MB 500-660353/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-660353/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-217628-1 MS	G33S	Total/NA	Water	SM 4500 SO4 E	
500-217628-1 MSD	G33S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 660435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-6	T09S	Total/NA	Water	SM 2540C	
MB 500-660435/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-660435/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-217628-6 DU	T09S	Total/NA	Water	SM 2540C	

Analysis Batch: 660642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-7	G44S	Total/NA	Water	SM 2540C	
500-217628-8	G46S	Total/NA	Water	SM 2540C	
500-217628-9	G48S	Total/NA	Water	SM 2540C	
500-217628-10	G47S	Total/NA	Water	SM 2540C	
MB 500-660642/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-660642/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-217628-7 MS	G44S	Total/NA	Water	SM 2540C	
500-217628-7 DU	G44S	Total/NA	Water	SM 2540C	
500-217628-8 DU	G46S	Total/NA	Water	SM 2540C	

Analysis Batch: 660740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-6	T09S	Total/NA	Water	SM 4500 Cl- E	
500-217628-7	G44S	Total/NA	Water	SM 4500 Cl- E	
500-217628-8	G46S	Total/NA	Water	SM 4500 Cl- E	
500-217628-9	G48S	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 660740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-10	G47S	Total/NA	Water	SM 4500 Cl- E	
MB 500-660740/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-660740/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 660850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-11	G30S	Total/NA	GW	SM 2540C	
500-217628-12	R32S	Total/NA	GW	SM 2540C	
500-217628-13	G45S	Total/NA	GW	SM 2540C	
500-217628-14	G31S	Total/NA	Water	SM 2540C	
MB 500-660850/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-660850/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-217628-11 MS	G30S	Total/NA	GW	SM 2540C	
500-217628-11 DU	G30S	Total/NA	GW	SM 2540C	
500-217628-12 DU	R32S	Total/NA	GW	SM 2540C	

Analysis Batch: 660955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-6	T09S	Total/NA	Water	SM 4500 SO4 E	
500-217628-7	G44S	Total/NA	Water	SM 4500 SO4 E	
500-217628-8	G46S	Total/NA	Water	SM 4500 SO4 E	
500-217628-9	G48S	Total/NA	Water	SM 4500 SO4 E	
500-217628-10	G47S	Total/NA	Water	SM 4500 SO4 E	
500-217628-11	G30S	Total/NA	GW	SM 4500 SO4 E	
500-217628-12	R32S	Total/NA	GW	SM 4500 SO4 E	
500-217628-13	G45S	Total/NA	GW	SM 4500 SO4 E	
500-217628-14	G31S	Total/NA	Water	SM 4500 SO4 E	
MB 500-660955/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-660955/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-217628-7 MS	G44S	Total/NA	Water	SM 4500 SO4 E	
500-217628-7 MSD	G44S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 660998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-11	G30S	Total/NA	GW	SM 4500 Cl- E	
500-217628-12	R32S	Total/NA	GW	SM 4500 Cl- E	
500-217628-13	G45S	Total/NA	GW	SM 4500 Cl- E	
500-217628-14	G31S	Total/NA	Water	SM 4500 Cl- E	
MB 500-660998/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-660998/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-217628-12 MS	R32S	Total/NA	GW	SM 4500 Cl- E	
500-217628-12 MSD	R32S	Total/NA	GW	SM 4500 Cl- E	

Analysis Batch: 661021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total/NA	Water	SM 2540C	
500-217628-16	T05S	Total/NA	Water	SM 2540C	
500-217628-17	T03S	Total/NA	Water	SM 2540C	
MB 500-661021/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-661021/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-217628-15 MS	T06S	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 661021 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15 DU	T06S	Total/NA	Water	SM 2540C	

Analysis Batch: 661064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	SM 4500 F C	
500-217628-3	G20S	Total/NA	Water	SM 4500 F C	
500-217628-4	R08S	Total/NA	Water	SM 4500 F C	
500-217628-5	R08S DUP	Total/NA	Water	SM 4500 F C	
500-217628-6	T09S	Total/NA	Water	SM 4500 F C	
500-217628-7	G44S	Total/NA	Water	SM 4500 F C	
500-217628-8	G46S	Total/NA	Water	SM 4500 F C	
500-217628-9	G48S	Total/NA	Water	SM 4500 F C	
500-217628-10	G47S	Total/NA	Water	SM 4500 F C	
500-217628-11	G30S	Total/NA	GW	SM 4500 F C	
500-217628-12	R32S	Total/NA	GW	SM 4500 F C	
500-217628-13	G45S	Total/NA	GW	SM 4500 F C	
500-217628-14	G31S	Total/NA	Water	SM 4500 F C	
MB 500-661064/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-661064/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-661064/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-661064/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-217628-8 MS	G46S	Total/NA	Water	SM 4500 F C	
500-217628-8 MSD	G46S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 661164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total/NA	Water	SM 4500 SO4 E	
500-217628-16	T05S	Total/NA	Water	SM 4500 SO4 E	
500-217628-17	T03S	Total/NA	Water	SM 4500 SO4 E	
MB 500-661164/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-661164/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-217628-15 MS	T06S	Total/NA	Water	SM 4500 SO4 E	
500-217628-15 MSD	T06S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 661281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total/NA	Water	SM 4500 Cl- E	
500-217628-16	T05S	Total/NA	Water	SM 4500 Cl- E	
500-217628-17	T03S	Total/NA	Water	SM 4500 Cl- E	
500-217628-18	T01S	Total/NA	Water	SM 4500 Cl- E	
500-217628-19	T02S	Total/NA	Water	SM 4500 Cl- E	
MB 500-661281/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-661281/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-217628-15 MS	T06S	Total/NA	Water	SM 4500 Cl- E	
500-217628-15 MSD	T06S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 661302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-18	T01S	Total/NA	Water	SM 4500 SO4 E	
500-217628-19	T02S	Total/NA	Water	SM 4500 SO4 E	
MB 500-661302/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 661302 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-661302/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-217628-18 MS	T01S	Total/NA	Water	SM 4500 SO4 E	
500-217628-18 MSD	T01S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 661584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-18	T01S	Total/NA	Water	SM 2540C	
500-217628-19	T02S	Total/NA	Water	SM 2540C	
MB 500-661584/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-661584/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-217628-18 MS	T01S	Total/NA	Water	SM 2540C	
500-217628-18 DU	T01S	Total/NA	Water	SM 2540C	
500-217628-19 DU	T02S	Total/NA	Water	SM 2540C	

Analysis Batch: 662032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total/NA	Water	SM 4500 F C	
500-217628-16	T05S	Total/NA	Water	SM 4500 F C	
500-217628-17	T03S	Total/NA	Water	SM 4500 F C	
500-217628-18	T01S	Total/NA	Water	SM 4500 F C	
500-217628-19	T02S	Total/NA	Water	SM 4500 F C	
MB 500-662032/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-662032/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-217628-19 MS	T02S	Total/NA	Water	SM 4500 F C	
500-217628-19 MSD	T02S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 662239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total/NA	Water	SM 2540C	
MB 500-662239/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-662239/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-217628-20 MS	T08S	Total/NA	Water	SM 2540C	
500-217628-20 DU	T08S	Total/NA	Water	SM 2540C	

Analysis Batch: 662335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total/NA	Water	SM 4500 SO4 E	
MB 500-662335/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-662335/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-217628-20 MS	T08S	Total/NA	Water	SM 4500 SO4 E	
500-217628-20 MSD	T08S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 662364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total/NA	Water	SM 4500 Cl- E	
MB 500-662364/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-662364/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-217628-20 MS	T08S	Total/NA	Water	SM 4500 Cl- E	
500-217628-20 MSD	T08S	Total/NA	Water	SM 4500 Cl- E	

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

General Chemistry

Analysis Batch: 662917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total/NA	Water	SM 4500 F C	
MB 500-662917/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-662917/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 660066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	Field Sampling	
500-217628-2	T04S	Total/NA	Water	Field Sampling	
500-217628-3	G20S	Total/NA	Water	Field Sampling	
500-217628-4	R08S	Total/NA	Water	Field Sampling	
500-217628-5	R08S DUP	Total/NA	Water	Field Sampling	
500-217628-6	T09S	Total/NA	Water	Field Sampling	
500-217628-7	G44S	Total/NA	Water	Field Sampling	
500-217628-8	G46S	Total/NA	Water	Field Sampling	
500-217628-9	G48S	Total/NA	Water	Field Sampling	
500-217628-10	G47S	Total/NA	Water	Field Sampling	
500-217628-11	G30S	Total/NA	GW	Field Sampling	
500-217628-12	R32S	Total/NA	GW	Field Sampling	
500-217628-13	G45S	Total/NA	GW	Field Sampling	
500-217628-14	G31S	Total/NA	Water	Field Sampling	
500-217628-15	T06S	Total/NA	Water	Field Sampling	
500-217628-16	T05S	Total/NA	Water	Field Sampling	
500-217628-17	T03S	Total/NA	Water	Field Sampling	
500-217628-18	T01S	Total/NA	Water	Field Sampling	
500-217628-19	T02S	Total/NA	Water	Field Sampling	
500-217628-20	T08S	Total/NA	Water	Field Sampling	

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-660684/1-A
Matrix: Water
Analysis Batch: 661121

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 660684

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:48	06/13/22 19:42	1
Arsenic	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 19:42	1
Barium	<0.0025		0.0025		mg/L		06/10/22 08:48	06/13/22 19:42	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 19:42	1
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 19:42	1
Calcium	<0.20		0.20		mg/L		06/10/22 08:48	06/13/22 19:42	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 19:42	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:48	06/13/22 19:42	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:48	06/13/22 19:42	1
Lithium	<0.010		0.010		mg/L		06/10/22 08:48	06/13/22 19:42	1
Molybdenum	<0.0050		0.0050		mg/L		06/10/22 08:48	06/13/22 19:42	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:48	06/13/22 19:42	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:48	06/13/22 19:42	1

Lab Sample ID: MB 500-660684/1-A
Matrix: Water
Analysis Batch: 661307

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 660684

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		06/10/22 08:48	06/14/22 17:59	1

Lab Sample ID: LCS 500-660684/2-A
Matrix: Water
Analysis Batch: 661121

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 660684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.482		mg/L		96	80 - 120
Arsenic	0.100	0.0911		mg/L		91	80 - 120
Barium	2.00	1.96		mg/L		98	80 - 120
Beryllium	0.0500	0.0480		mg/L		96	80 - 120
Cadmium	0.0500	0.0470		mg/L		94	80 - 120
Calcium	10.0	9.83		mg/L		98	80 - 120
Chromium	0.200	0.199		mg/L		100	80 - 120
Cobalt	0.500	0.501		mg/L		100	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Lithium	0.500	0.503		mg/L		101	80 - 120
Molybdenum	1.00	0.914		mg/L		91	80 - 120
Selenium	0.100	0.0933		mg/L		93	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: LCS 500-660684/2-A
Matrix: Water
Analysis Batch: 661307

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 660684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.995		mg/L		99	80 - 120

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

Lab Sample ID: MB 500-660855/1-A
Matrix: Water
Analysis Batch: 661121

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 660855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/13/22 07:20	06/13/22 17:35	1
Arsenic	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:35	1
Barium	<0.0025		0.0025		mg/L		06/13/22 07:20	06/13/22 17:35	1
Beryllium	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:35	1
Cadmium	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:35	1
Calcium	<0.20		0.20		mg/L		06/13/22 07:20	06/13/22 17:35	1
Chromium	<0.0050		0.0050		mg/L		06/13/22 07:20	06/13/22 17:35	1
Cobalt	<0.0010		0.0010		mg/L		06/13/22 07:20	06/13/22 17:35	1
Lead	<0.00050		0.00050		mg/L		06/13/22 07:20	06/13/22 17:35	1
Lithium	<0.010		0.010		mg/L		06/13/22 07:20	06/13/22 17:35	1
Molybdenum	<0.0050		0.0050		mg/L		06/13/22 07:20	06/13/22 17:35	1
Selenium	<0.0025		0.0025		mg/L		06/13/22 07:20	06/13/22 17:35	1
Thallium	<0.0020		0.0020		mg/L		06/13/22 07:20	06/13/22 17:35	1

Lab Sample ID: MB 500-660855/1-A
Matrix: Water
Analysis Batch: 661300

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 660855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		06/13/22 07:20	06/14/22 16:06	1

Lab Sample ID: LCS 500-660855/2-A
Matrix: Water
Analysis Batch: 661121

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 660855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.473		mg/L		95	80 - 120
Arsenic	0.100	0.0974		mg/L		97	80 - 120
Barium	0.500	0.496		mg/L		99	80 - 120
Beryllium	0.0500	0.0516		mg/L		103	80 - 120
Cadmium	0.0500	0.0480		mg/L		96	80 - 120
Calcium	10.0	9.95		mg/L		99	80 - 120
Chromium	0.200	0.199		mg/L		100	80 - 120
Cobalt	0.500	0.492		mg/L		98	80 - 120
Lead	0.100	0.104		mg/L		104	80 - 120
Lithium	0.100	0.108		mg/L		108	80 - 120
Molybdenum	1.00	0.919		mg/L		92	80 - 120
Selenium	0.100	0.0978		mg/L		98	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: LCS 500-660855/2-A
Matrix: Water
Analysis Batch: 661300

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 660855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.916		mg/L		92	80 - 120

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

Lab Sample ID: MB 500-661080/1-A
Matrix: Water
Analysis Batch: 661307

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 661080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/14/22 08:53	06/14/22 19:59	1
Arsenic	<0.0010		0.0010		mg/L		06/14/22 08:53	06/14/22 19:59	1
Barium	<0.0025		0.0025		mg/L		06/14/22 08:53	06/14/22 19:59	1
Beryllium	<0.0010		0.0010		mg/L		06/14/22 08:53	06/14/22 19:59	1
Cadmium	<0.00050		0.00050		mg/L		06/14/22 08:53	06/14/22 19:59	1
Calcium	<0.20		0.20		mg/L		06/14/22 08:53	06/14/22 19:59	1
Lead	<0.00050		0.00050		mg/L		06/14/22 08:53	06/14/22 19:59	1
Lithium	<0.010		0.010		mg/L		06/14/22 08:53	06/14/22 19:59	1
Selenium	<0.0025		0.0025		mg/L		06/14/22 08:53	06/14/22 19:59	1
Thallium	<0.0020		0.0020		mg/L		06/14/22 08:53	06/14/22 19:59	1

Lab Sample ID: LCS 500-661080/2-A
Matrix: Water
Analysis Batch: 661307

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 661080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.488		mg/L		98	80 - 120
Arsenic	0.100	0.0996		mg/L		100	80 - 120
Barium	0.500	0.506		mg/L		101	80 - 120
Beryllium	0.0500	0.0517		mg/L		103	80 - 120
Cadmium	0.0500	0.0500		mg/L		100	80 - 120
Calcium	10.0	10.1		mg/L		101	80 - 120
Lead	0.100	0.104		mg/L		104	80 - 120
Lithium	0.100	0.108		mg/L		108	80 - 120
Selenium	0.100	0.100		mg/L		100	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: MB 500-661262/1-A
Matrix: Water
Analysis Batch: 661710

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 661262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/15/22 08:37	06/16/22 16:45	1
Arsenic	<0.0010		0.0010		mg/L		06/15/22 08:37	06/16/22 16:45	1
Barium	<0.0025		0.0025		mg/L		06/15/22 08:37	06/16/22 16:45	1
Beryllium	<0.0010		0.0010		mg/L		06/15/22 08:37	06/16/22 16:45	1
Cadmium	<0.00050		0.00050		mg/L		06/15/22 08:37	06/16/22 16:45	1
Calcium	<0.20		0.20		mg/L		06/15/22 08:37	06/16/22 16:45	1
Lead	<0.00050		0.00050		mg/L		06/15/22 08:37	06/16/22 16:45	1
Lithium	<0.010		0.010		mg/L		06/15/22 08:37	06/16/22 16:45	1
Selenium	<0.0025		0.0025		mg/L		06/15/22 08:37	06/16/22 16:45	1
Thallium	<0.0020		0.0020		mg/L		06/15/22 08:37	06/16/22 16:45	1

Lab Sample ID: LCS 500-661262/2-A
Matrix: Water
Analysis Batch: 661710

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 661262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.496		mg/L		99	80 - 120

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

Lab Sample ID: LCS 500-661262/2-A
Matrix: Water
Analysis Batch: 661710

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 661262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0979		mg/L		98	80 - 120
Barium	0.500	0.495		mg/L		99	80 - 120
Beryllium	0.0500	0.0498		mg/L		100	80 - 120
Cadmium	0.0500	0.0508		mg/L		102	80 - 120
Calcium	10.0	9.93		mg/L		99	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Lithium	0.100	0.104		mg/L		104	80 - 120
Selenium	0.100	0.0988		mg/L		99	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: MB 500-661434/1-A
Matrix: Water
Analysis Batch: 661953

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 661434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.0050		0.0050		mg/L		06/16/22 07:56	06/17/22 14:26	1
Cobalt	<0.0010		0.0010		mg/L		06/16/22 07:56	06/17/22 14:26	1
Molybdenum	<0.0050		0.0050		mg/L		06/16/22 07:56	06/17/22 14:26	1

Lab Sample ID: MB 500-661434/1-A
Matrix: Water
Analysis Batch: 662010

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 661434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		06/16/22 07:56	06/20/22 11:51	1

Lab Sample ID: LCS 500-661434/2-A
Matrix: Water
Analysis Batch: 661953

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 661434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Molybdenum	1.00	0.938		mg/L		94	80 - 120

Lab Sample ID: LCS 500-661434/2-A
Matrix: Water
Analysis Batch: 662010

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 661434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.931		mg/L		93	80 - 120

Lab Sample ID: MB 500-661901/1-A
Matrix: Water
Analysis Batch: 662363

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 661901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.0050		0.0050		mg/L		06/20/22 08:13	06/20/22 17:11	1
Cobalt	<0.0010		0.0010		mg/L		06/20/22 08:13	06/20/22 17:11	1
Molybdenum	<0.0050		0.0050		mg/L		06/20/22 08:13	06/20/22 17:11	1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-661901/1-A
Matrix: Water
Analysis Batch: 662557

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 661901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050	^+	0.050		mg/L		06/20/22 08:13	06/22/22 13:46	1

Lab Sample ID: LCS 500-661901/2-A
Matrix: Water
Analysis Batch: 662363

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 661901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.200	0.205		mg/L		103	80 - 120
Cobalt	0.500	0.509		mg/L		102	80 - 120
Molybdenum	1.00	0.932		mg/L		93	80 - 120

Lab Sample ID: LCS 500-661901/2-A
Matrix: Water
Analysis Batch: 662557

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 661901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.07	^+	mg/L		107	80 - 120

Lab Sample ID: MB 500-662301/1-A
Matrix: Water
Analysis Batch: 662558

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 662301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/22/22 08:53	06/22/22 18:45	1
Arsenic	<0.0010		0.0010		mg/L		06/22/22 08:53	06/22/22 18:45	1
Barium	<0.0025		0.0025		mg/L		06/22/22 08:53	06/22/22 18:45	1
Beryllium	<0.0010		0.0010		mg/L		06/22/22 08:53	06/22/22 18:45	1
Cadmium	<0.00050		0.00050		mg/L		06/22/22 08:53	06/22/22 18:45	1
Calcium	<0.20		0.20		mg/L		06/22/22 08:53	06/22/22 18:45	1
Chromium	<0.0050		0.0050		mg/L		06/22/22 08:53	06/22/22 18:45	1
Cobalt	<0.0010		0.0010		mg/L		06/22/22 08:53	06/22/22 18:45	1
Lead	<0.00050		0.00050		mg/L		06/22/22 08:53	06/22/22 18:45	1
Lithium	<0.010		0.010		mg/L		06/22/22 08:53	06/22/22 18:45	1
Molybdenum	<0.0050		0.0050		mg/L		06/22/22 08:53	06/22/22 18:45	1
Selenium	<0.0025		0.0025		mg/L		06/22/22 08:53	06/22/22 18:45	1
Thallium	<0.0020		0.0020		mg/L		06/22/22 08:53	06/22/22 18:45	1

Lab Sample ID: MB 500-662301/1-A
Matrix: Water
Analysis Batch: 662743

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 662301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		06/22/22 08:53	06/23/22 18:20	1

Lab Sample ID: LCS 500-662301/2-A
Matrix: Water
Analysis Batch: 662558

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 662301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.510		mg/L		102	80 - 120

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

Lab Sample ID: LCS 500-662301/2-A
Matrix: Water
Analysis Batch: 662558

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 662301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0971		mg/L		97	80 - 120
Barium	2.00	1.91		mg/L		95	80 - 120
Beryllium	0.0500	0.0497		mg/L		99	80 - 120
Cadmium	0.0500	0.0495		mg/L		99	80 - 120
Calcium	10.0	9.64		mg/L		96	80 - 120
Chromium	0.200	0.205		mg/L		102	80 - 120
Cobalt	0.500	0.522		mg/L		104	80 - 120
Lead	0.100	0.106		mg/L		106	80 - 120
Lithium	0.500	0.474		mg/L		95	80 - 120
Molybdenum	1.00	0.953		mg/L		95	80 - 120
Selenium	0.100	0.0971		mg/L		97	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: LCS 500-662301/2-A
Matrix: Water
Analysis Batch: 662743

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 662301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.512		mg/L		102	80 - 120
Arsenic	0.100	0.101		mg/L		101	80 - 120
Barium	2.00	2.02		mg/L		101	80 - 120
Beryllium	0.0500	0.0436		mg/L		87	80 - 120
Boron	1.00	1.01		mg/L		101	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Calcium	10.0	8.76		mg/L		88	80 - 120
Chromium	0.200	0.205		mg/L		103	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Lithium	0.500	0.476		mg/L		95	80 - 120
Molybdenum	1.00	0.951		mg/L		95	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-660739/12-A
Matrix: Water
Analysis Batch: 660947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 660739

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/10/22 11:15	06/13/22 09:16	1

Lab Sample ID: LCS 500-660739/13-A
Matrix: Water
Analysis Batch: 660947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 660739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00203		mg/L		102	80 - 120

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

Lab Sample ID: 500-217628-3 MS
Matrix: Water
Analysis Batch: 660947

Client Sample ID: G20S
Prep Type: Total/NA
Prep Batch: 660739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.00020		0.00100	0.000931		mg/L		93	75 - 125		

Lab Sample ID: 500-217628-3 MSD
Matrix: Water
Analysis Batch: 660947

Client Sample ID: G20S
Prep Type: Total/NA
Prep Batch: 660739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000904		mg/L		90	75 - 125	3	20

Lab Sample ID: 500-217628-3 DU
Matrix: Water
Analysis Batch: 660947

Client Sample ID: G20S
Prep Type: Total/NA
Prep Batch: 660739

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 500-661136/13-A
Matrix: Water
Analysis Batch: 661339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/14/22 11:20	06/15/22 08:44	1

Lab Sample ID: LCS 500-661136/12-A
Matrix: Water
Analysis Batch: 661339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661136

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.00215		mg/L		108	80 - 120		

Lab Sample ID: 500-217628-11 MS
Matrix: GW
Analysis Batch: 661339

Client Sample ID: G30S
Prep Type: Total/NA
Prep Batch: 661136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.00020		0.00100	0.000950		mg/L		95	75 - 125		

Lab Sample ID: 500-217628-11 MSD
Matrix: GW
Analysis Batch: 661339

Client Sample ID: G30S
Prep Type: Total/NA
Prep Batch: 661136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000974		mg/L		97	75 - 125	2	20

Lab Sample ID: 500-217628-11 DU
Matrix: GW
Analysis Batch: 661339

Client Sample ID: G30S
Prep Type: Total/NA
Prep Batch: 661136

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

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-661309/13-A
Matrix: Water
Analysis Batch: 661501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/22 11:00	06/16/22 07:53	1

Lab Sample ID: LCS 500-661309/12-A
Matrix: Water
Analysis Batch: 661501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00210		mg/L		105	80 - 120

Lab Sample ID: MB 500-662349/12-A
Matrix: Water
Analysis Batch: 662560

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/22/22 10:55	06/23/22 07:26	1

Lab Sample ID: LCS 500-662349/13-A
Matrix: Water
Analysis Batch: 662560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00217		mg/L		109	80 - 120

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

Lab Sample ID: MB 500-660040/1
Matrix: Water
Analysis Batch: 660040

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			06/07/22 02:19	1

Lab Sample ID: LCS 500-660040/2
Matrix: Water
Analysis Batch: 660040

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	274		mg/L		110	80 - 120

Lab Sample ID: MB 500-660231/1
Matrix: Water
Analysis Batch: 660231

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			06/08/22 01:43	1

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

Lab Sample ID: LCS 500-660231/2
Matrix: Water
Analysis Batch: 660231

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	266		mg/L		106	80 - 120		

Lab Sample ID: 500-217628-3 MS
Matrix: Water
Analysis Batch: 660231

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	400		250	700		mg/L		120	75 - 125		

Lab Sample ID: 500-217628-3 DU
Matrix: Water
Analysis Batch: 660231

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	400			380		mg/L				5	5

Lab Sample ID: 500-217628-4 DU
Matrix: Water
Analysis Batch: 660231

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			796		mg/L				0.3	5

Lab Sample ID: MB 500-660435/1
Matrix: Water
Analysis Batch: 660435

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			06/09/22 03:23	1

Lab Sample ID: LCS 500-660435/2
Matrix: Water
Analysis Batch: 660435

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	272		mg/L		109	80 - 120		

Lab Sample ID: 500-217628-6 DU
Matrix: Water
Analysis Batch: 660435

Client Sample ID: T09S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	970			958		mg/L				2	5

Lab Sample ID: MB 500-660642/1
Matrix: Water
Analysis Batch: 660642

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			06/10/22 02:17	1

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

Lab Sample ID: LCS 500-660642/2
Matrix: Water
Analysis Batch: 660642

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

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

Lab Sample ID: 500-217628-7 MS
Matrix: Water
Analysis Batch: 660642

Client Sample ID: G44S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	730		250	1010		mg/L		111	75 - 125		

Lab Sample ID: 500-217628-7 DU
Matrix: Water
Analysis Batch: 660642

Client Sample ID: G44S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	730			706		mg/L				4	5

Lab Sample ID: 500-217628-8 DU
Matrix: Water
Analysis Batch: 660642

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	930			906		mg/L				2	5

Lab Sample ID: MB 500-660850/1
Matrix: Water
Analysis Batch: 660850

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			06/13/22 00:41	1

Lab Sample ID: LCS 500-660850/2
Matrix: Water
Analysis Batch: 660850

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

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

Lab Sample ID: 500-217628-11 MS
Matrix: GW
Analysis Batch: 660850

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	1490	4	mg/L		109	75 - 125		

Lab Sample ID: 500-217628-11 DU
Matrix: GW
Analysis Batch: 660850

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			1240		mg/L				2	5

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

Lab Sample ID: 500-217628-12 DU
Matrix: GW
Analysis Batch: 660850

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	880			894		mg/L				2	5

Lab Sample ID: MB 500-661021/1
Matrix: Water
Analysis Batch: 661021

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			06/14/22 00:57	1

Lab Sample ID: LCS 500-661021/2
Matrix: Water
Analysis Batch: 661021

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			250	272		mg/L		109	80 - 120		

Lab Sample ID: 500-217628-15 MS
Matrix: Water
Analysis Batch: 661021

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	530		250	822		mg/L		118	75 - 125		

Lab Sample ID: 500-217628-15 DU
Matrix: Water
Analysis Batch: 661021

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	530			542		mg/L				3	5

Lab Sample ID: MB 500-661584/1
Matrix: Water
Analysis Batch: 661584

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			06/17/22 03:29	1

Lab Sample ID: LCS 500-661584/2
Matrix: Water
Analysis Batch: 661584

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

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

Lab Sample ID: 500-217628-18 MS
Matrix: Water
Analysis Batch: 661584

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	990		250	1230		mg/L		96	75 - 125		

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

Lab Sample ID: 500-217628-18 DU
Matrix: Water
Analysis Batch: 661584

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	990			952		mg/L				4	5

Lab Sample ID: 500-217628-19 DU
Matrix: Water
Analysis Batch: 661584

Client Sample ID: T02S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	830			836		mg/L				0.7	5

Lab Sample ID: MB 500-662239/1
Matrix: Water
Analysis Batch: 662239

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			06/22/22 00:50	1

Lab Sample ID: LCS 500-662239/2
Matrix: Water
Analysis Batch: 662239

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	252		mg/L		101	80 - 120		

Lab Sample ID: 500-217628-20 MS
Matrix: Water
Analysis Batch: 662239

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	970		250	1270		mg/L		123	75 - 125		

Lab Sample ID: 500-217628-20 DU
Matrix: Water
Analysis Batch: 662239

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	970			944		mg/L				2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-660327/16
Matrix: Water
Analysis Batch: 660327

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			06/08/22 10:47	1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 500-660327/17
Matrix: Water
Analysis Batch: 660327

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

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

Lab Sample ID: 500-217628-1 MS
Matrix: Water
Analysis Batch: 660327

Client Sample ID: G33S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12		20.0	31.0		mg/L		96	75 - 125		

Lab Sample ID: 500-217628-1 MSD
Matrix: Water
Analysis Batch: 660327

Client Sample ID: G33S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12		20.0	30.8		mg/L		95	75 - 125	1	20

Lab Sample ID: MB 500-660740/16
Matrix: Water
Analysis Batch: 660740

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			06/10/22 09:27	1

Lab Sample ID: LCS 500-660740/17
Matrix: Water
Analysis Batch: 660740

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	20.1		mg/L		100	85 - 115		

Lab Sample ID: MB 500-660998/16
Matrix: Water
Analysis Batch: 660998

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			06/13/22 12:06	1

Lab Sample ID: LCS 500-660998/17
Matrix: Water
Analysis Batch: 660998

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	20.1		mg/L		101	85 - 115		

Lab Sample ID: 500-217628-12 MS
Matrix: GW
Analysis Batch: 660998

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	54		20.0	73.3		mg/L		95	75 - 125		

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 500-217628-12 MSD
Matrix: GW
Analysis Batch: 660998

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
Chloride	54		20.0	73.3		mg/L		96	75 - 125	0	20

Lab Sample ID: MB 500-661281/16
Matrix: Water
Analysis Batch: 661281

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			06/15/22 08:38	1

Lab Sample ID: LCS 500-661281/17
Matrix: Water
Analysis Batch: 661281

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.4		mg/L		102	85 - 115

Lab Sample ID: 500-217628-15 MS
Matrix: Water
Analysis Batch: 661281

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14		20.0	33.4		mg/L		97	75 - 125

Lab Sample ID: 500-217628-15 MSD
Matrix: Water
Analysis Batch: 661281

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14		20.0	33.4		mg/L		97	75 - 125	0	20

Lab Sample ID: MB 500-662364/16
Matrix: Water
Analysis Batch: 662364

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			06/22/22 12:02	1

Lab Sample ID: LCS 500-662364/17
Matrix: Water
Analysis Batch: 662364

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.7		mg/L		103	85 - 115

Lab Sample ID: 500-217628-20 MS
Matrix: Water
Analysis Batch: 662364

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	87		20.0	104	4	mg/L		86	75 - 125

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 500-217628-20 MSD
Matrix: Water
Analysis Batch: 662364

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	87		20.0	105	4	mg/L		87	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-661064/3
Matrix: Water
Analysis Batch: 661064

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			06/13/22 13:10	1

Lab Sample ID: MB 500-661064/31
Matrix: Water
Analysis Batch: 661064

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			06/13/22 14:55	1

Lab Sample ID: LCS 500-661064/32
Matrix: Water
Analysis Batch: 661064

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

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

Lab Sample ID: LCS 500-661064/4
Matrix: Water
Analysis Batch: 661064

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	10.3		mg/L		103	90 - 119

Lab Sample ID: 500-217628-8 MS
Matrix: Water
Analysis Batch: 661064

Client Sample ID: G46S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.26		5.00	5.33		mg/L		101	75 - 125

Lab Sample ID: 500-217628-8 MSD
Matrix: Water
Analysis Batch: 661064

Client Sample ID: G46S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.26		5.00	5.30		mg/L		101	75 - 125	1	20

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-662032/3
Matrix: Water
Analysis Batch: 662032

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			06/20/22 11:55	1

Lab Sample ID: LCS 500-662032/4
Matrix: Water
Analysis Batch: 662032

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	10.7		mg/L		107	90 - 119

Lab Sample ID: 500-217628-19 MS
Matrix: Water
Analysis Batch: 662032

Client Sample ID: T02S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.46		5.00	5.64		mg/L		104	75 - 125

Lab Sample ID: 500-217628-19 MSD
Matrix: Water
Analysis Batch: 662032

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
Fluoride	0.46		5.00	5.61		mg/L		103	75 - 125	1	20

Lab Sample ID: MB 500-662917/3
Matrix: Water
Analysis Batch: 662917

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			06/25/22 14:56	1

Lab Sample ID: LCS 500-662917/4
Matrix: Water
Analysis Batch: 662917

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

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

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-660353/16
Matrix: Water
Analysis Batch: 660353

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			06/08/22 12:56	1

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

Lab Sample ID: LCS 500-660353/17
Matrix: Water
Analysis Batch: 660353

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	21.3		mg/L		107	88 - 123		

Lab Sample ID: 500-217628-1 MS
Matrix: Water
Analysis Batch: 660353

Client Sample ID: G33S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	69	F1	20.0	82.5	F1	mg/L		66	75 - 125		

Lab Sample ID: 500-217628-1 MSD
Matrix: Water
Analysis Batch: 660353

Client Sample ID: G33S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	69	F1	20.0	83.3	F1	mg/L		70	75 - 125	1	20

Lab Sample ID: MB 500-660955/16
Matrix: Water
Analysis Batch: 660955

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			06/13/22 09:18	1

Lab Sample ID: LCS 500-660955/17
Matrix: Water
Analysis Batch: 660955

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	21.7		mg/L		108	88 - 123		

Lab Sample ID: 500-217628-7 MS
Matrix: Water
Analysis Batch: 660955

Client Sample ID: G44S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	160		20.0	176	4	mg/L		72	75 - 125		

Lab Sample ID: 500-217628-7 MSD
Matrix: Water
Analysis Batch: 660955

Client Sample ID: G44S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	160		20.0	176	4	mg/L		74	75 - 125	0	20

Lab Sample ID: MB 500-661164/16
Matrix: Water
Analysis Batch: 661164

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			06/14/22 13:59	1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: LCS 500-661164/17
Matrix: Water
Analysis Batch: 661164

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	21.7		mg/L		109	88 - 123		

Lab Sample ID: 500-217628-15 MS
Matrix: Water
Analysis Batch: 661164

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	130		20.0	146	4	mg/L		90	75 - 125		

Lab Sample ID: 500-217628-15 MSD
Matrix: Water
Analysis Batch: 661164

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	130		20.0	146	4	mg/L		89	75 - 125	0	20

Lab Sample ID: MB 500-661302/16
Matrix: Water
Analysis Batch: 661302

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			06/15/22 10:35	1

Lab Sample ID: LCS 500-661302/17
Matrix: Water
Analysis Batch: 661302

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	21.9		mg/L		109	88 - 123		

Lab Sample ID: 500-217628-18 MS
Matrix: Water
Analysis Batch: 661302

Client Sample ID: T01S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	420		20.0	423	4	mg/L		40	75 - 125		

Lab Sample ID: 500-217628-18 MSD
Matrix: Water
Analysis Batch: 661302

Client Sample ID: T01S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	420		20.0	428	4	mg/L		63	75 - 125	1	20

Lab Sample ID: MB 500-662335/16
Matrix: Water
Analysis Batch: 662335

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			06/22/22 10:31	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: LCS 500-662335/17
Matrix: Water
Analysis Batch: 662335

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	21.2		mg/L		106	88 - 123		

Lab Sample ID: 500-217628-20 MS
Matrix: Water
Analysis Batch: 662335

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	470	F1	20.0	493	4	mg/L		134	75 - 125		

Lab Sample ID: 500-217628-20 MSD
Matrix: Water
Analysis Batch: 662335

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	470	F1	20.0	480	4	mg/L		72	75 - 125	3	20

Chain of Custody Record

524009

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Address:

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	____ of ____ COCs
Address:	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone.	TAT if different from Below ____			Walk-in Client
Fax:	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2022	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
1 G33S	06/06/22	1402		W	5			/	/	/	/	/	
2 T04S	06/06/22	1450		—	—								well under property development excavation, no samples

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

Possible Hazard Identification

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd 2.4 Corr'd 2.0	Therm ID No

	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	EETA	06/06/22 @ 1526			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			[signature]	EETA	6/6/22 1526

Chain of Custody Record

524010

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2Q 22	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 224	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
3	G20S	06/07/22	0919		W	5			✓	✓	✓	✓	✓	
4	R08S	06/07/22	1357		W	5			✓	✓	✓	✓	✓	
5	R08S DUP	06/07/22	1357		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 3.3 → Corr'd 1.9 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	06/07/22 1524			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time:
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time:
				EETA	6/7/22 1524

Chain of Custody Record

524011

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager:	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email.	Lab Contact.	Carrier.	____ of ____ COCs
Address	**Analysis Turnaround Time**			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only**
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2022	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, F1, Cl, SO4	Sample Specific Notes
TOPS	06/08/22	0908		W	5			/	/	/	/	/	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C) Obs'd 2.4 Corr'd 1.0 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	06/08/22 e	1118		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EETA	6/8/22 1118

Chain of Custody Record

524012 eurofins Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2Q22	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
7 G44S	06/09/22	0947		W	5			✓	✓	✓	✓	✓	
8 G46S	06/09/22	1046		W	5			✓	✓	✓	✓	✓	
9 G48S	06/09/22	1238		W	5			✓	✓	✓	✓	✓	
10 G47S	06/09/22	1358		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.3 Corr'd 2.9 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EETA	06/09/22 e	1513		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company EETA	Date/Time 6/9/22 1513

Chain of Custody Record

524013

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity, 2022	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
11	G30S	06/10/22	0928		W	5			✓	✓	✓	✓	✓	
12	R32S	06/10/22	1119		W	5			✓	✓	✓	✓	✓	
13	G45S	06/10/22	1246		W	5			✓	✓	✓	✓	✓	
14	G31S	06/10/22	1337		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

5.8 + 4 4

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

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	06/10/22 @	1438		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EETA	6/10/22 1438

Chain of Custody Record

524014

eurofins Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address:	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone:	TAT if different from Below _____			Walk-in Client
Fax:	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 Quarry CCR	☐ 1 week			
Site: GW + Turbidity - 2022	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-217628

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
15 TO6S	06/13/22	0935		W	5			/	/	/	/	/	
16 TO5S	06/13/22	1123		W	5			/	/	/	/	/	
17 TO3S	06/13/22	1350		W	5			/	/	/	/	/	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C) Obs'd 4.4 Corr'd 3.0 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EETA	06/13/22 @ 1500			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company EETA	Date/Time 6/13/22 1500

Chain of Custody Record

524015

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Meckler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email:	Lab Contact:	Carrier:	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler:
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2022	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
18	T01S	06/14/22	0942		W	5			✓	✓	✓	✓	✓	
19	T02S	06/14/22	1239		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.3 Corr'd 2.9 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EETA	06/14/22 E	1457		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: [signature]	Company: EETA	Date/Time: 6/14/22 1457

Chain of Custody Record

524016 eurofins Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Meckler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2Q22	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-217628

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
20 TOBS	06/21/22	0941		W	5			/	/	/	/	/	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

27+1.3

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

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EETA	06/21/22 e	1123		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EETA	6/21/22 1123

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-217628-1

Login Number: 217628
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0,1.9,1.0,2.9,4.4,3.0,2.9,1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client Sample ID: G33S
Date Collected: 06/06/22 14:02
Date Received: 06/06/22 15:26

Lab Sample ID: 500-217628-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:07	FXG	TAL CHI
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 18:06	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 09:37	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660040	06/07/22 03:18	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	660327	06/08/22 10:47	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 14:21	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		2	660353	06/08/22 12:57	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/06/22 14:02	JVB	TAL CHI

Client Sample ID: T04S
Date Collected: 06/06/22 14:50
Date Received: 06/06/22 15:26

Lab Sample ID: 500-217628-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	660066	06/06/22 14:50	JVB	TAL CHI

Client Sample ID: G20S
Date Collected: 06/07/22 09:19
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:10	FXG	TAL CHI
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	661307	06/14/22 18:10	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 09:40	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660231	06/08/22 01:48	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	660327	06/08/22 10:48	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 14:24	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		2	660353	06/08/22 12:58	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/07/22 09:19	JVB	TAL CHI

Client Sample ID: R08S
Date Collected: 06/07/22 13:57
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:20	FXG	TAL CHI

Client Sample ID: R08S
Date Collected: 06/07/22 13:57
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	661307	06/14/22 18:13	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 09:52	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660231	06/08/22 01:55	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		2	660327	06/08/22 10:48	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 14:38	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	660353	06/08/22 12:58	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/07/22 13:57	JVB	TAL CHI

Client Sample ID: R08S DUP
Date Collected: 06/07/22 13:57
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:24	FXG	TAL CHI
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	661307	06/14/22 18:17	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 09:54	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660231	06/08/22 02:00	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		2	660327	06/08/22 11:01	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 14:42	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	660353	06/08/22 14:26	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/07/22 13:57	JVB	TAL CHI

Client Sample ID: T09S
Date Collected: 06/08/22 09:08
Date Received: 06/08/22 11:11

Lab Sample ID: 500-217628-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:27	FXG	TAL CHI
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	661307	06/14/22 18:20	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 09:56	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660435	06/09/22 03:35	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660740	06/10/22 09:29	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 14:45	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	660955	06/13/22 09:20	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/08/22 09:08	JVB	TAL CHI

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: G44S
Date Collected: 06/09/22 09:47
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:31	FXG	TAL CHI
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	661307	06/14/22 18:23	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 09:59	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660642	06/10/22 02:22	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660740	06/10/22 09:29	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 14:48	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	660955	06/13/22 09:19	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/09/22 09:47	JVB	TAL CHI

Client Sample ID: G46S
Date Collected: 06/09/22 10:46
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:34	FXG	TAL CHI
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	661307	06/14/22 18:27	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 10:01	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660642	06/10/22 02:29	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660740	06/10/22 09:30	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 15:00	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	660955	06/13/22 09:20	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/09/22 10:46	JVB	TAL CHI

Client Sample ID: G48S
Date Collected: 06/09/22 12:38
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:38	FXG	TAL CHI
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	661307	06/14/22 18:30	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 10:03	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660642	06/10/22 02:35	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660740	06/10/22 09:30	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 15:09	EAT	TAL CHI

Client Sample ID: G48S
Date Collected: 06/09/22 12:38
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		20	660955	06/13/22 09:21	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/09/22 12:38	JVB	TAL CHI

Client Sample ID: G47S
Date Collected: 06/09/22 13:58
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 20:41	FXG	TAL CHI
Total Recoverable	Prep	3005A			660684	06/10/22 08:48	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	661307	06/14/22 18:41	FXG	TAL CHI
Total/NA	Prep	7470A			660739	06/10/22 11:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	660947	06/13/22 10:05	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660642	06/10/22 02:37	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660740	06/10/22 09:31	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 15:22	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	660955	06/13/22 09:21	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/09/22 13:58	JVB	TAL CHI

Client Sample ID: G30S
Date Collected: 06/10/22 09:28
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-11
Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660855	06/13/22 07:20	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 17:42	FXG	TAL CHI
Total Recoverable	Prep	3005A			660855	06/13/22 07:20	LMB	TAL CHI
Total Recoverable	Analysis	6020A		20	661300	06/14/22 16:13	FXG	TAL CHI
Total/NA	Prep	7470A			661136	06/14/22 11:20	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661339	06/15/22 08:57	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660850	06/13/22 00:46	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660998	06/13/22 12:07	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 15:25	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	660955	06/13/22 09:21	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/10/22 09:28	JVB	TAL CHI

Client Sample ID: R32S
Date Collected: 06/10/22 11:19
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-12
Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660855	06/13/22 07:20	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 17:46	FXG	TAL CHI

Client Sample ID: R32S
Date Collected: 06/10/22 11:19
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-12
Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660855	06/13/22 07:20	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	661300	06/14/22 16:16	FXG	TAL CHI
Total/NA	Prep	7470A			661136	06/14/22 11:20	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661339	06/15/22 09:39	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660850	06/13/22 00:53	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660998	06/13/22 12:06	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 15:29	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	660955	06/13/22 09:38	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/10/22 11:19	JVB	TAL CHI

Client Sample ID: G45S
Date Collected: 06/10/22 12:46
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-13
Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660855	06/13/22 07:20	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 17:49	FXG	TAL CHI
Total Recoverable	Prep	3005A			660855	06/13/22 07:20	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661300	06/14/22 16:20	FXG	TAL CHI
Total/NA	Prep	7470A			661136	06/14/22 11:20	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661339	06/15/22 09:41	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660850	06/13/22 00:59	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660998	06/13/22 12:08	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 15:32	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	660955	06/13/22 09:38	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/10/22 12:46	JVB	TAL CHI

Client Sample ID: G31S
Date Collected: 06/10/22 13:37
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660855	06/13/22 07:20	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 17:52	FXG	TAL CHI
Total Recoverable	Prep	3005A			660855	06/13/22 07:20	LMB	TAL CHI
Total Recoverable	Analysis	6020A		20	661300	06/14/22 16:23	FXG	TAL CHI
Total/NA	Prep	7470A			661136	06/14/22 11:20	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661339	06/15/22 09:43	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660850	06/13/22 01:01	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660998	06/13/22 12:08	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	661064	06/13/22 15:35	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	660955	06/13/22 09:39	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/10/22 13:37	JVB	TAL CHI

Client Sample ID: T06S

Lab Sample ID: 500-217628-15

Date Collected: 06/13/22 09:35

Matrix: Water

Date Received: 06/13/22 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			661080	06/14/22 08:53	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 21:29	FXG	TAL CHI
Total Recoverable	Prep	3005A			661434	06/16/22 07:56	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661953	06/17/22 16:01	FXG	TAL CHI
Total Recoverable	Prep	3005A			661434	06/16/22 07:56	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	662010	06/20/22 11:57	FXG	TAL CHI
Total/NA	Prep	7470A			661309	06/15/22 11:00	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661501	06/16/22 07:55	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661021	06/14/22 01:02	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	661281	06/15/22 08:38	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:06	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	661164	06/14/22 14:00	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/13/22 09:35	JVB	TAL CHI

Client Sample ID: T05S

Lab Sample ID: 500-217628-16

Date Collected: 06/13/22 11:23

Matrix: Water

Date Received: 06/13/22 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			661080	06/14/22 08:53	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 21:32	FXG	TAL CHI
Total Recoverable	Prep	3005A			661434	06/16/22 07:56	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661953	06/17/22 16:05	FXG	TAL CHI
Total Recoverable	Prep	3005A			661434	06/16/22 07:56	LMB	TAL CHI
Total Recoverable	Analysis	6020A		100	662010	06/20/22 12:01	FXG	TAL CHI
Total/NA	Prep	7470A			661309	06/15/22 11:00	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661501	06/16/22 07:57	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661021	06/14/22 01:10	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661281	06/15/22 09:35	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:09	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	661164	06/14/22 14:15	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/13/22 11:23	JVB	TAL CHI

Client Sample ID: T03S

Lab Sample ID: 500-217628-17

Date Collected: 06/13/22 13:50

Matrix: Water

Date Received: 06/13/22 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			661080	06/14/22 08:53	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 21:36	FXG	TAL CHI
Total Recoverable	Prep	3005A			661434	06/16/22 07:56	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661953	06/17/22 16:08	FXG	TAL CHI
Total Recoverable	Prep	3005A			661434	06/16/22 07:56	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	662010	06/20/22 12:04	FXG	TAL CHI

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T03S

Lab Sample ID: 500-217628-17

Date Collected: 06/13/22 13:50
Date Received: 06/13/22 15:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			661309	06/15/22 11:00	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661501	06/16/22 07:59	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661021	06/14/22 01:13	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661281	06/15/22 08:39	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:12	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661164	06/14/22 14:02	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/13/22 13:50	JVB	TAL CHI

Client Sample ID: T01S

Lab Sample ID: 500-217628-18

Date Collected: 06/14/22 09:42
Date Received: 06/14/22 14:57

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			661262	06/15/22 08:37	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661710	06/16/22 18:14	FXG	TAL CHI
Total Recoverable	Prep	3005A			661901	06/20/22 08:13	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	662363	06/20/22 18:34	FXG	TAL CHI
Total Recoverable	Prep	3005A			661901	06/20/22 08:13	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	662557	06/22/22 14:41	FXG	TAL CHI
Total/NA	Prep	7470A			661309	06/15/22 11:00	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661501	06/16/22 08:02	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661584	06/17/22 03:34	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661281	06/15/22 08:39	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:14	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661302	06/15/22 10:36	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/14/22 09:42	JVB	TAL CHI

Client Sample ID: T02S

Lab Sample ID: 500-217628-19

Date Collected: 06/14/22 12:39
Date Received: 06/14/22 14:57

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			661262	06/15/22 08:37	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	661710	06/16/22 18:18	FXG	TAL CHI
Total Recoverable	Prep	3005A			661901	06/20/22 08:13	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	662363	06/20/22 18:38	FXG	TAL CHI
Total Recoverable	Prep	3005A			661901	06/20/22 08:13	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	662557	06/22/22 14:46	FXG	TAL CHI
Total/NA	Prep	7470A			661309	06/15/22 11:00	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661501	06/16/22 08:04	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661584	06/17/22 03:41	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661281	06/15/22 08:39	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:18	EAT	TAL CHI

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22

Job ID: 500-217628-1

Client Sample ID: T02S

Lab Sample ID: 500-217628-19

Date Collected: 06/14/22 12:39
Matrix: Water
Date Received: 06/14/22 14:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		10	661302	06/15/22 10:37	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/14/22 12:39	JVB	TAL CHI

Client Sample ID: T08S

Lab Sample ID: 500-217628-20

Date Collected: 06/21/22 09:41
Matrix: Water
Date Received: 06/21/22 11:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662301	06/22/22 08:53	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	662558	06/22/22 19:33	FXG	TAL CHI
Total Recoverable	Prep	3005A			662301	06/22/22 08:53	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	662743	06/23/22 18:27	FXG	TAL CHI
Total/NA	Prep	7470A			662349	06/22/22 10:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662560	06/23/22 07:31	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	662239	06/22/22 00:55	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	662364	06/22/22 12:02	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 15:16	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	662335	06/22/22 10:32	LP	TAL CHI
Total/NA	Analysis	Field Sampling		1	660066	06/21/22 09:41	JVB	TAL CHI

Laboratory References:

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

eurofins | Environment Testing America

TestAmerica 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 #: 500-217628-1

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

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

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/06/22 Start Purge: 1340 (2400 Hr. Clock) End Purge: 1402

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 1.73 (ft)

Ref. Measuring Pt. TIC

Well Elevation *535.65 (ft./msl)

Water Level 29.44 (ft.)

Ground Water Elev. 506.21 (ft./msl)

Well Bottom Elevation *452.72 (ft./msl)

	1st	2nd	Final	
pH	7.36	7.34	7.34	(std.)
SC	585	570	570	(umhos/cm)
Temp.	17.15	17.09	17.09	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor

Weather Conditions: 66°F, Rain Showers, S winds e 0-5 mph

Turbidity: 12.6 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 29.44 - 1.73 = 27.71 (ft)

Levels were taken on 06/06/22 @ 1335 .

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing America

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

Sample ID: T04S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-217628-2

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

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

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

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

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

MEASUREMENTS

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

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

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

Well Elevation * 631.35 (ft./msl) Temp. _____ _____ _____ _____ (°C)

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

Ground Water Elev. _____ (ft./msl)

Well Bottom Elevation * 458.07 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____

Weather Conditions: _____

Turbidity: _____

Other: *Reference Measurement

Depth To Water from L.S. = _____

Levels were taken on @

* Total Deth = 173.00

* well under property development/excavation, unable to purge or sample on 06/06/22 @ 1450

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature: _____

FIELD FORM 1

eurofins | Environment Testing America

TestAmerica 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 #: 500-217628-3

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

PURGING INFORMATION

Purge Date: 06/07/22 Start Purge: 0900 (2400 Hr. Clock) End Purge: 0919

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.78 (ft)
Ref. Measuring Pt. TIC
Well Elevation *580.94 (ft./msl)
Water Level 67.32 (ft.)
Ground Water Elev. 513.62 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

	1st	2nd	Final	
pH	7.08	7.07	7.07	(std.)
SC	610	608	608	(umhos/cm)
Temp.	20.85	20.83	20.83	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 57°F, Cloudy, NE winds 5-10 mph
Turbidity: 0.50 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 67.32 - 2.78 = 64.54 (ft)
Levels were taken on 06/07/22 @ 0850

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature: NL

eurofins | Environment Testing America

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

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-217628-4

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

PURGING INFORMATION

Purge Date: 06/07/22 Start Purge: 1335 (2400 Hr. Clock) End Purge: 1357

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.99

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.55 (ft)
Ref. Measuring Pt. TIC
Well Elevation *578.51 (ft./msl)
Water Level 68.20 (ft.)
Ground Water Elev. 510.31 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

	1st	2nd	Final	
pH	7.96	7.94	7.94	(std.)
SC	968	961	961	(umhos/cm)
Temp.	14.57	14.58	14.58	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 69°F, Sunny, NE winds 0-5 mph
Turbidity: 0.23 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 68.20 - 2.55 = 65.65 (ft.)
Levels were taken on 06/07/22 @ 1330

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature: NL

FIELD FORM 1

eurofins | Environment Testing America

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

Sample ID: R08S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-217628-5

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

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

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

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

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

MEASUREMENTS

	1st	2nd	Final
Well Diameter 2.0 (inches)			
Stick Up 2.55 (ft)	pH		(std.)
Ref. Measuring Pt. TIC	SC		(umhos/cm)
Well Elevation *578.51 (ft./msl)	Temp.		(°C)
Water Level _____ (ft.)	Well Stabilization / Recharge Grid		
Ground Water Elev. _____ (ft./msl)			
Well Bottom Elevation *453.08 (ft./msl)			

COMMENTS

Sample Appearance/Odor: _____

Weather Conditions: _____

Turbidity: _____

Other: *Reference Measurement (Well ID updated 11-25-15)

Depth To Water from L.S. = _____

Levels were taken on @

* Sampled on 06/07/22 @ 1357

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature: _____

FIELD FORM 1

eurofins | Environment Testing America

TestAmerica 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 #: 500-217628-10

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: 06/08/22 Start Purge: 0850 (2400 Hr. Clock) End Purge: 0908

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.40 (ft)

Ref. Measuring Pt. TIC

Well Elevation * 603.69 (ft./msl)

Water Level 105.08 (ft.)

Ground Water Elev. 498.61 (ft./msl)

Well Bottom Elevation * 444.80 (ft./msl)

	1st	2nd	Final	
pH	7.30	7.28	7.28	(std.)
SC	1140	1138	1138	(umhos/cm)
Temp.	15.76	15.77	15.77	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor

Weather Conditions: 69°F, Cloudy, SE winds @ 10-15 mph

Turbidity: 7.70 NTU

Other: *Reference Measurement (updated 02/19/14)

Depth To Water from L.S. = 105.08 - 2.40 = 102.68 (ft.)

Levels were taken on 06/08/22 @ 0835

* Total Depth: 158.59

(Updated: 10/19/2021)

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

FIELD FORM 1

eurofins | Environment Testing America

TestAmerica 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 #: 500-217628-7

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

PURGING INFORMATION

Purge Date: 06/09/22 Start Purge: 0930 (2400 Hr. Clock) End Purge: 0947

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

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.18 (ft)
Ref. Measuring Pt. TIC
Well Elevation *586.49 (ft./msl)
Water Level 80.75 (ft.)
Ground Water Elev. 505.74 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

	1st	2nd	Final	
pH	7.01	7.02	7.02	(std.)
SC	1,016	1,010	1,010	(umhos/cm)
Temp.	13.94	14.03	14.03	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 62°F, Partly Cloudy, SW winds 5-10 mph
Turbidity: 0.78 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 80.75 - 2.18 = 78.57 (ft.)
Levels were taken on 06/09/22 @ 0925.

(Updated: 10/19/2021)

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

FIELD FORM 1

eurofins | Environment Testing America

TestAmerica 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 #: 500-217628-8

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

PURGING INFORMATION

Purge Date: 06/09/22 Start Purge: 1030 (2400 Hr. Clock) End Purge: ~~1046~~ 1046 N.L.

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

MEASUREMENTS

Well Diameter 4.0 (inches)
Stick Up 2.70 (ft)
Ref. Measuring Pt. TIC
Well Elevation *601.34 (ft./msl)
Water Level 103.40 (ft.)
Ground Water Elev. 497.94 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

	1st	2nd	Final	
pH	7.31	7.36	7.36	(std.)
SC	1166	1172	1172	(umhos/cm)
Temp.	14.21	14.19	14.19	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 69°F, Sunny, SW winds 5-10 mph
Turbidity: 6.63 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 103.40 - 2.70 = 100.70 (ft.)
Levels were taken on 06/09/22 @ 1025.

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing America

TestAmerica 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 #: 500-217628-9

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

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

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/09/22 Start Purge: 1220 (2400 Hr. Clock) End Purge: 1238

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 4.0 (inches)

Stick Up 2.45 (ft)

Ref. Measuring Pt. TIC

Well Elevation *620.74 (ft./msl)

Water Level 101.51 (ft.)

Ground Water Elev. 519.23 (ft./msl)

Well Bottom Elevation *468.32 (ft./msl)

	1st	2nd	Final	
pH	7.47	7.47	7.47	(std.)
SC	1366	1371	1371	(umhos/cm)
Temp.	17.39	17.36	17.36	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor

Weather Conditions: 73°F, Sunny, W winds 5-10 mph

Turbidity: 0.22 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 101.51 - 2.45 = 99.06 (ft)

Levels were taken on 06/09/22 @ 1215.

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature: _____

FIELD FORM 1

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TestAmerica 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 #: 500-217628-10

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: 06/09/22 Start Purge: 1338 (2400 Hr. Clock) End Purge: 1358

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

MEASUREMENTS

Well Diameter 4.0 (inches)
Stick Up 2.50 (ft)
Ref. Measuring Pt. TIC
Well Elevation *612.04 (ft./msl)
Water Level 92.26 (ft.)
Ground Water Elev. 519.78 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

	1st	2nd	Final	
pH	8.38	8.39	8.39	(std.)
SC	1346	1353	1353	(umhos/cm)
Temp.	15.48	15.55	15.55	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 77°F, Partly Cloudy, NW winds 10-15 mph
Turbidity: ~~-.01~~ N.L. - 0.11 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 92.26 - 2.50 = 89.76 (ft.)
Levels were taken on 06/09/22 @ 1335.

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-217628-11

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: 06/10/22 Start Purge: 0910 (2400 Hr. Clock) End Purge: 0928

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.31 (ft)
Ref. Measuring Pt. TIC
Well Elevation *524.69 (ft./msl)
Water Level 1.82 (ft.)
Ground Water Elev. 522.87 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

	1st	2nd	Final	
pH	7.28	7.29	7.29	(std.)
SC	1640	1640	1640	(umhos/cm)
Temp.	12.95	12.92	12.92	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 71°F, Fair, Calm winds
Turbidity: 0.16 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.82 - 2.31 = -0.49 (ft.)
Levels were taken on 06/10/22 @ 0900.

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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TestAmerica 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 #: 500-217628-12

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

PURGING INFORMATION

Purge Date: 06/10/22 Start Purge: 1100 (2400 Hr. Clock) End Purge: 1119

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.03 (ft)
Ref. Measuring Pt. TIC
Well Elevation *536.91 (ft./msl)
Water Level 20.49 (ft.)
Ground Water Elev. 516.42 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

	1st	2nd	Final	
pH	7.25	7.23	7.23	(std.)
SC	882	888	888	(umhos/cm)
Temp.	12.00	12.03	12.03	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 77°F, Sunny, SW winds @ 0-5 mph
Turbidity: ~ 0.10 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 20.49 - 2.03 = 18.46 ft
Levels were taken on 06/10/22 @ 1055.

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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TestAmerica 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 #: 500-217628-13

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

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

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/10/22 Start Purge: 1230 (2400 Hr. Clock) End Purge: 1246

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.97 (ft)

Ref. Measuring Pt. TIC

Well Elevation *603.94 (ft./msl)

Water Level 64.07 (ft.)

Ground Water Elev. 539.87 (ft./msl)

Well Bottom Elevation *471.05 (ft./msl)

	1st	2nd	Final	
pH	7.29	7.28	7.28	(std.)
SC	874	873	873	(umhos/cm)
Temp.	18.09	18.12	18.12	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor

Weather Conditions: 76°F, Mostly Cloudy, SW winds e 5-10 mph

Turbidity: 0.03 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 64.07 - 2.97 = 61.10 (ft)

Levels were taken on 06/10/22 @ 1225

(Updated: 10/19/2021)

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

FIELD FORM 1

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TestAmerica 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 #: 500-217628-14

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

PURGING INFORMATION

Purge Date: 06/10/22 Start Purge: 1320 (2400 Hr. Clock) End Purge: 1337

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.77

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.58 (ft)
Ref. Measuring Pt. TIC
Well Elevation *535.77 (ft./msl)
Water Level 27.45 (ft.)
Ground Water Elev. 508.32 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

	1st	2nd	Final	
pH	7.31	7.29	7.29	(std.)
SC	1419	1413	1413	(umhos/cm)
Temp.	14.76	14.75	14.75	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 78°F, Cloudy, SW wind 5-10 mph
Turbidity: 0.42 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 27.45 - 2.58 = 24.87 (ft.)
Levels were taken on 06/10/22 @ 1315

(Updated: 10/19/2021)

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

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TestAmerica 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 #: 500-217628-15

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

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

Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/13/22 Start Purge: 0920 (2400 Hr. Clock) End Purge: 0935

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.30 (ft)

Ref. Measuring Pt. TIC

Well Elevation * 620.99 (ft./msl)

Water Level 112.71 (ft.)

Ground Water Elev. 508.28 (ft./msl)

Well Bottom Elevation * 447.94 (ft./msl)

	1st	2nd	Final	
pH	6.78	6.80	6.80	(std.)
SC	700	696	696	(umhos/cm)
Temp.	21.59	21.66	21.66	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor

Weather Conditions: 77°F, Partly Cloudy, E winds 0-5 mph

Turbidity: 0.75 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 112.71 - 2.30 = 110.41 (ft)

Levels were taken on 06/13/22 @ 0900

* Total Deth = 173.00

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature: NL

FIELD FORM 1

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TestAmerica 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 #: 500-217028-16

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: 06/13/22 Start Purge: 1105 (2400 Hr. Clock) End Purge: 1123

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.40 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 623.46 (ft./msl)
Water Level 120.57 (ft.)
Ground Water Elev. 502.89 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

	1st	2nd	Final	
pH	9.78	9.81	9.81	(std.)
SC	2090	2090	2090	(umhos/cm)
Temp.	24.40	24.28	24.28	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 83°F, Partly Cloudy, SE winds 5-10 mph
Turbidity: 0.26 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 120.57 - 2.40 = 118.17 (ft.)
Levels were taken on 06/13/22 @ 1050
* Total Deth = 175.00

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

eurofins | Environment Testing America

TestAmerica 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 #: 500-217628-17

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: 06/13/22 Start Purge: 1335 (2400 Hr. Clock) End Purge: 1350

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 3.08 (ft)

Ref. Measuring Pt. TIC

Well Elevation * 629.74 (ft./msl)

Water Level 134.89 (ft.)

Ground Water Elev. 494.85 (ft./msl)

Well Bottom Elevation * 456.70 (ft./msl)

	1st	2nd	Final	
pH	7.46	7.44	7.44	(std.)
SC	1,378	1,378	1,378	(umhos/cm)
Temp.	13.82	13.77	13.77	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor

Weather Conditions: 86°F, Cloudy, SE winds @ 5-10 mph

Turbidity: -0.10 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 134.89 - 3.08 = 131.81 (ft)

Levels were taken on 06/13/22 @ 1325

* Total Depth = 172.95

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature:

FIELD FORM 1

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TestAmerica 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 #: 500-217628-18

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

PURGING INFORMATION

Purge Date: 06/14/22 Start Purge: 0920 (2400 Hr. Clock) End Purge: 0942

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

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.48 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 621.71 (ft./msl)
Water Level 119.94 (ft.)
Ground Water Elev. 501.77 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

	1st	2nd	Final	
pH	7.79	7.81	7.81	(std.)
SC	1,243	1,237	1,237	(umhos/cm)
Temp.	25.64	25.62	25.62	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, Slight Odor
Weather Conditions: 85°F, Sunny, SW winds e 5-10 mph
Turbidity: 15.7 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 119.94 - 2.48 = 117.46 (ft.)
Levels were taken on 06/14/22 @ 0905.
* Total Depth = 170.00

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature: NL

FIELD FORM 1

eurofins | Environment Testing America

TestAmerica 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 #: 500-217028-19

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

PURGING INFORMATION

Purge Date: 06/14/22 Start Purge: 1220 (2400 Hr. Clock) End Purge: 1239

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.33 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 626.12 (ft./msl)
Water Level 130.54 (ft.)
Ground Water Elev. 495.58 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

	1st	2nd	Final	
pH	8.07	8.08	8.08	(std.)
SC	1130	1126	1126	(umhos/cm)
Temp.	31.87	31.75	31.75	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 90°F, Sunny, SW winds 10-15 mph
Turbidity: 16.4 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 130.54 - 2.33 = 128.21 (ft.)
Levels were taken on 06/14/22 @ 1205
* Total Depth = 172.75

(Updated: 10/19/2021)

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

FIELD FORM 1

eurofins | Environment Testing America

TestAmerica 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 #: 500-217628-20

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: 06/21/22 Start Purge: 0925 (2400 Hr. Clock) End Purge: 0941

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

MEASUREMENTS

Well Diameter 2.0 (inches)

Stick Up 2.38 (ft)

Ref. Measuring Pt. TIC

Well Elevation * 627.50 (ft./msl)

Water Level 125.55 (ft.)

Ground Water Elev. 501.95 (ft./msl)

Well Bottom Elevation * 447.38 (ft./msl)

	1st	2nd	Final	
pH	9.45	9.44	9.44	(std.)
SC	1305	1299	1299	(umhos/cm)
Temp.	19.75	19.69	19.69	(°C)

Well Stabilization / Recharge Grid

COMMENTS

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

Weather Conditions: 87°F, Sunny, SW winds @ 10-15 mph

Turbidity: 1.34 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 125.55 - 2.38 = 123.17 (ft)

Levels were taken on 06/21/22 @ 0910

* Total Deth = 180.00

(Updated: 10/19/2021)

Sampler Name (Print): Noe Lopez Signature: NL

FIELD FORM 1

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 500-217628-2
Client Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

For:
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Attn: John Niedzwiecki

Diana Mockler

Authorized for release by:
7/19/2022 2:03:58 PM

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

Table of Contents

Job ID: 500-217628-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-217628-2

Comments
No additional comments.

Receipt
The samples were received on 6/6/2022 3:26 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 1.0º C, 1.0º C, 1.3º C, 1.9º C, 2.9º C, 2.9º C, 3.0º C and 4.4º C.

RAD
Methods 903.0, 9315: Radium-226 batch 569239
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
G33S (500-217628-1), G20S (500-217628-3), R08S (500-217628-4), R08S DUP (500-217628-5), (LCS 160-569239/1-A), (MB 160-569239/23-A) and (500-217628-D-4-B DU)

Method 903.0: Radium 226 Batch 160-569453:
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. T09S (500-217628-6), (LCS 160-569453/2-A), (MB 160-569453/1-A) and (500-217628-E-6-A DU)

Methods 903.0, 9315: Radium 226 Batch 160-569983:
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. G44S (500-217628-7), G46S (500-217628-8), G48S (500-217628-9), G47S (500-217628-10), G30S (500-217628-11), R32S (500-217628-12), G45S (500-217628-13), G31S (500-217628-14), (LCS 160-569983/2-A), (MB 160-569983/1-A) and (500-217628-C-7-B DU)

Methods 903.0, 9315: Radium-226 batch 570468
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
T06S (500-217628-15), T05S (500-217628-16), T03S (500-217628-17), T01S (500-217628-18), T02S (500-217628-19), (LCS 160-570468/2-A), (MB 160-570468/1-A), (500-218112-E-1-A) and (500-218112-C-1-A DU)

Methods 903.0, 9315: Radium 226 Batch 571315:
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
T08S (500-217628-20), (LCS 160-571375/2-A), (MB 160-571375/1-A) and (500-217628-C-20-F DU)

Methods 904.0, 9320: Radium-228 batch 569243
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
G33S (500-217628-1), G20S (500-217628-3), R08S (500-217628-4), R08S DUP (500-217628-5), (LCS 160-569243/1-A), (MB 160-569243/23-A) and (500-217628-D-4-C DU)

Method 904.0: Radium-228 batch 569459
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

Job ID: 500-217628-2 (Continued)

Laboratory: Eurofins Chicago (Continued)

T09S (500-217628-6), (LCS 160-569459/2-A), (MB 160-569459/1-A) and (500-217628-E-6-B DU)

Methods 904.0, 9320: Radium-228 batch 569988
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
G44S (500-217628-7), G46S (500-217628-8), G48S (500-217628-9), G47S (500-217628-10), G30S (500-217628-11), R32S (500-217628-12), G45S (500-217628-13), G31S (500-217628-14), (LCS 160-569988/2-A), (MB 160-569988/1-A) and (500-217628-C-7-C DU)

Methods 903.0, 904.0, 9315, 9320, RA-06-RC, ST-RC-0058: Radium-228 batch 570286
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
(CCB 160-571243/24), (CCB 160-571243/48), (CCB 160-571243/49), (CCB 160-571243/50), (CCB 160-571243/51), (CCB 160-571243/52), (CCB 160-571243/53), (CCB 160-571243/54), (CCB 160-571243/78), (CCVA 160-571243/40), (CCVA 160-571243/41), (CCVA 160-571243/42), (CCVA 160-571243/43), (CCVA 160-571243/44), (CCVA 160-571243/45), (CCVA 160-571243/46), (CCVA 160-571243/62), (CCVA 160-571243/8), (CCVB 160-571243/16), (CCVB 160-571243/32), (CCVB 160-571243/33), (CCVB 160-571243/34), (CCVB 160-571243/35), (CCVB 160-571243/36), (CCVB 160-571243/37), (CCVB 160-571243/38) and (CCVB 160-571243/70)

Methods 904.0, 9320, SM7110C, ST-RC-0058: Radium-228 batch 570316
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
(CCB 160-571241/23), (CCB 160-571241/24), (CCVA 160-571241/1), (CCVA 160-571241/44), (CCVB 160-571241/61) and (CCVB 160-571241/9)

Methods 904.0, 9320: Radium-228 batch 570471
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date
T06S (500-217628-15), T05S (500-217628-16), T03S (500-217628-17), T01S (500-217628-18), T02S (500-217628-19), (LCS 160-570471/2-A), (MB 160-570471/1-A), (500-218112-E-1-B) and (500-218112-C-1-B DU)

Methods 904.0, 9320: Radium 228 Batch 160-571379:
The following sample(s) did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative.

T08S (500-217628-20) and (500-217628-C-20-E DU)

Methods 904.0, 9320: Radium 228 Batch 160-571379:
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. T08S (500-217628-20), (LCS 160-571379/2-A), (MB 160-571379/1-A) and (500-217628-C-20-E DU)

Method PrecSep_0: Radium-228 Prep Batch 160-569243

The matrix for the <method blank (MB), laboratory control sample (LCS) and laboratory control sample duplicate (LCSD)> is as close to the following samples as can be reasonably achieved: G33S (500-217628-1), G20S (500-217628-3), R08S (500-217628-4), R08S DUP (500-217628-5) and (500-217628-D-4 DU). Detailed information can be found in the most current revision of the associated SOP.

Method PrecSep_0:

Method PrecSep_0:

Job ID: 500-217628-2 (Continued)

Laboratory: Eurofins Chicago (Continued)

Method PrecSep-21: Radium-226 Prep Batch 160-569239

The matrix for the <method blank (MB), laboratory control sample (LCS) and laboratory control sample duplicate (LCSD)> is as close to the following samples as can be reasonably achieved: G33S (500-217628-1), G20S (500-217628-3), R08S (500-217628-4), R08S DUP (500-217628-5) and (500-217628-D-4 DU). Detailed information can be found in the most current revision of the associated SOP.

Method PrecSep-21:

Method PrecSep-21:

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

Method Summary

Client: Midwest Generation EME LLC
Job ID: 500-217628-2
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

TAL 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 2Q22 (RAD)

Job ID: 500-217628-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-217628-1	G33S	Water	06/06/22 14:02	06/06/22 15:26
500-217628-3	G20S	Water	06/07/22 09:19	06/07/22 15:24
500-217628-4	R08S	Water	06/07/22 13:57	06/07/22 15:24
500-217628-5	R08S DUP	Water	06/07/22 13:57	06/07/22 15:24
500-217628-6	T09S	Water	06/08/22 09:08	06/08/22 11:11
500-217628-7	G44S	Water	06/09/22 09:47	06/09/22 15:13
500-217628-8	G46S	Water	06/09/22 10:46	06/09/22 15:13
500-217628-9	G48S	Water	06/09/22 12:38	06/09/22 15:13
500-217628-10	G47S	Water	06/09/22 13:58	06/09/22 15:13
500-217628-11	G30S	GW	06/10/22 09:28	06/10/22 14:38
500-217628-12	R32S	GW	06/10/22 11:19	06/10/22 14:38
500-217628-13	G45S	GW	06/10/22 12:46	06/10/22 14:38
500-217628-14	G31S	Water	06/10/22 13:37	06/10/22 14:38
500-217628-15	T06S	Water	06/13/22 09:35	06/13/22 15:00
500-217628-16	T05S	Water	06/13/22 11:23	06/13/22 15:00
500-217628-17	T03S	Water	06/13/22 13:50	06/13/22 15:00
500-217628-18	T01S	Water	06/14/22 09:42	06/14/22 14:57
500-217628-19	T02S	Water	06/14/22 12:39	06/14/22 14:57
500-217628-20	T08S	Water	06/21/22 09:41	06/21/22 11:23

Client Sample ID: G33S
Lab Sample ID: 500-217628-1

Date Collected: 06/06/22 14:02
Matrix: Water
Date Received: 06/06/22 15:26

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.237		0.152	0.153	1.00	0.205	pCi/L	06/09/22 10:38	07/01/22 10:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*60.0*		*40 - 110*	*06/09/22 10:38*	*07/01/22 10:41*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.538	U	0.590	0.592	1.00	0.961	pCi/L	06/09/22 11:25	06/21/22 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*60.0*		*40 - 110*	*06/09/22 11:25*	*06/21/22 11:48*	*1*
Y Carrier	*84.5*		*40 - 110*	*06/09/22 11:25*	*06/21/22 11:48*	*1*

Method: 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	0.775	U	0.609	0.611	5.00	0.961	pCi/L		07/05/22 13:06	1

Client Sample ID: G20S
Lab Sample ID: 500-217628-3

Date Collected: 06/07/22 09:19
Matrix: Water
Date Received: 06/07/22 15:24

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.70		0.255	0.298	1.00	0.120	pCi/L	06/09/22 10:38	07/01/22 10:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.8*		*40 - 110*	*06/09/22 10:38*	*07/01/22 10:41*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.85		0.545	0.571	1.00	0.634	pCi/L	06/09/22 11:25	06/21/22 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.8*		*40 - 110*	*06/09/22 11:25*	*06/21/22 11:49*	*1*
Y Carrier	*86.0*		*40 - 110*	*06/09/22 11:25*	*06/21/22 11:49*	*1*

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.55		0.602	0.644	5.00	0.634	pCi/L		07/05/22 13:06	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: R08S

Date Collected: 06/07/22 13:57
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-4

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.588		0.144	0.153	1.00	0.131	pCi/L	06/09/22 10:38	07/01/22 10:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.8*		*40 - 110*	*06/09/22 10:38*	*07/01/22 10:41*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.745		0.322	0.329	1.00	0.408	pCi/L	06/09/22 11:25	06/21/22 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.8*		*40 - 110*	*06/09/22 11:25*	*06/21/22 11:49*	*1*
Y Carrier	*85.2*		*40 - 110*	*06/09/22 11:25*	*06/21/22 11:49*	*1*

Method: 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	1.33		0.353	0.363	5.00	0.408	pCi/L		07/05/22 13:06	1

Client: Midwest Generation EME LLC
Job ID: 500-217628-2
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Client Sample ID: R08S DUP
Lab Sample ID: 500-217628-5
Date Collected: 06/07/22 13:57
Matrix: Water
Date Received: 06/07/22 15:24

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.453**		0.118	0.125	1.00	0.0894	pCi/L	06/09/22 10:38	07/01/22 10:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*40 - 110*	*06/09/22 10:38*	*07/01/22 10:42*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.339	U	0.245	0.247	1.00	0.364	pCi/L	06/09/22 11:25	06/21/22 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*40 - 110*	*06/09/22 11:25*	*06/21/22 11:50*	*1*
Y Carrier	*86.0*		*40 - 110*	*06/09/22 11:25*	*06/21/22 11:50*	*1*

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.792**		0.272	0.277	5.00	0.364	pCi/L		07/05/22 13:06	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: T09S

Date Collected: 06/08/22 09:08
Date Received: 06/08/22 11:11

Lab Sample ID: 500-217628-6

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.52		0.208	0.249	1.00	0.0909	pCi/L	06/10/22 12:45	07/05/22 14:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*40 - 110*	*06/10/22 12:45*	*07/05/22 14:38*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11		0.395	0.408	1.00	0.493	pCi/L	06/10/22 13:33	06/22/22 12:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*40 - 110*	*06/10/22 13:33*	*06/22/22 12:02*	*1*
Y Carrier	*87.5*		*40 - 110*	*06/10/22 13:33*	*06/22/22 12:02*	*1*

Method: 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	2.63		0.446	0.478	5.00	0.493	pCi/L		07/13/22 23:09	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: G44S
Date Collected: 06/09/22 09:47
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-7
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.493		0.132	0.139	1.00	0.111	pCi/L	06/14/22 14:48	07/06/22 08:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*40 - 110*	*06/14/22 14:48*	*07/06/22 08:09*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.871		0.372	0.380	1.00	0.481	pCi/L	06/14/22 15:12	06/23/22 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:19*	*1*
Y Carrier	*89.7*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:19*	*1*

Method: 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	1.36		0.395	0.405	5.00	0.481	pCi/L		07/13/22 23:09	1

Client Sample ID: G46S
Lab Sample ID: 500-217628-8

Date Collected: 06/09/22 10:46
Matrix: Water
Date Received: 06/09/22 15:13

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.772		0.159	0.173	1.00	0.122	pCi/L	06/14/22 14:48	07/06/22 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*40 - 110*	*06/14/22 14:48*	*07/06/22 08:11*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.944		0.359	0.369	1.00	0.458	pCi/L	06/14/22 15:12	06/23/22 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*
Y Carrier	*94.6*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*

Method: Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.72		0.393	0.408	5.00	0.458	pCi/L		07/13/22 23:09	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: G48S

Date Collected: 06/09/22 12:38
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-9

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.779		0.153	0.168	1.00	0.106	pCi/L	06/14/22 14:48	07/06/22 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*40 - 110*	*06/14/22 14:48*	*07/06/22 08:11*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.577		0.351	0.355	1.00	0.520	pCi/L	06/14/22 15:12	06/23/22 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*
Y Carrier	*86.0*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*

Method: 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	1.36		0.383	0.393	5.00	0.520	pCi/L		07/13/22 23:09	1

Client Sample ID: G47S
Lab Sample ID: 500-217628-10

Date Collected: 06/09/22 13:58
Matrix: Water
Date Received: 06/09/22 15:13

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.454**		0.124	0.131	1.00	0.116	pCi/L	06/14/22 14:48	07/06/22 08:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*40 - 110*	*06/14/22 14:48*	*07/06/22 08:15*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.307	U	0.305	0.307	1.00	0.492	pCi/L	06/14/22 15:12	06/23/22 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*
Y Carrier	*85.6*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*

Method: 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	**0.760**		0.329	0.334	5.00	0.492	pCi/L		07/13/22 23:09	1

Client Sample ID: G30S
Date Collected: 06/10/22 09:28
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-11
Matrix: GW

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.991		0.186	0.206	1.00	0.131	pCi/L	06/14/22 14:48	07/06/22 08:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.5*		*40 - 110*	*06/14/22 14:48*	*07/06/22 08:15*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.33		0.456	0.472	1.00	0.550	pCi/L	06/14/22 15:12	06/23/22 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.5*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*
Y Carrier	*86.4*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*

Method: 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	2.32		0.492	0.515	5.00	0.550	pCi/L		07/13/22 23:09	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: R32S

Date Collected: 06/10/22 11:19
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-12

Matrix: GW

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.37		0.192	0.229	1.00	0.0819	pCi/L	06/14/22 14:48	07/06/22 08:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*40 - 110*	*06/14/22 14:48*	*07/06/22 08:15*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.58		0.431	0.455	1.00	0.482	pCi/L	06/14/22 15:12	06/23/22 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*
Y Carrier	*87.5*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:21*	*1*

Method: 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	2.96		0.472	0.509	5.00	0.482	pCi/L		07/13/22 23:09	1

Client Sample ID: G45S
Lab Sample ID: 500-217628-13

Date Collected: 06/10/22 12:46
Matrix: GW
Date Received: 06/10/22 14:38

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.18		0.179	0.208	1.00	0.0859	pCi/L	06/14/22 14:48	07/06/22 08:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*40 - 110*	*06/14/22 14:48*	*07/06/22 08:16*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.988		0.370	0.381	1.00	0.469	pCi/L	06/14/22 15:12	06/23/22 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:22*	*1*
Y Carrier	*86.0*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:22*	*1*

Method: 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	2.17		0.411	0.434	5.00	0.469	pCi/L		07/13/22 23:09	1

Client Sample ID: G31S
Lab Sample ID: 500-217628-14

Date Collected: 06/10/22 13:37
Matrix: Water
Date Received: 06/10/22 14:38

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.06		0.242	0.305	1.00	0.0930	pCi/L	06/14/22 14:52	07/06/22 08:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*40 - 110*	*06/14/22 14:52*	*07/06/22 08:16*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.87		0.468	0.499	1.00	0.486	pCi/L	06/14/22 15:12	06/23/22 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:22*	*1*
Y Carrier	*88.2*		*40 - 110*	*06/14/22 15:12*	*06/23/22 12:22*	*1*

Method: 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	3.93		0.527	0.585	5.00	0.486	pCi/L		07/13/22 23:09	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: T06S

Date Collected: 06/13/22 09:35
Date Received: 06/13/22 15:00

Lab Sample ID: 500-217628-15

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.971		0.169	0.190	1.00	0.0927	pCi/L	06/17/22 13:19	07/11/22 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*40 - 110*	*06/17/22 13:19*	*07/11/22 13:33*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.838		0.387	0.395	1.00	0.525	pCi/L	06/17/22 13:47	06/24/22 10:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*
Y Carrier	*86.4*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*

Method: 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	1.81		0.422	0.438	5.00	0.525	pCi/L		07/13/22 23:09	1

Client Sample ID: T05S
Date Collected: 06/13/22 11:23
Date Received: 06/13/22 15:00

Lab Sample ID: 500-217628-16
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.339		0.115	0.119	1.00	0.105	pCi/L	06/17/22 13:19	07/11/22 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*06/17/22 13:19*	*07/11/22 13:33*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.503		0.331	0.335	1.00	0.480	pCi/L	06/17/22 13:47	06/24/22 10:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*
Y Carrier	*85.2*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*

Method: 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	0.842		0.350	0.356	5.00	0.480	pCi/L		07/13/22 23:09	1

Client Sample ID: T03S
Lab Sample ID: 500-217628-17

Date Collected: 06/13/22 13:50
Matrix: Water
Date Received: 06/13/22 15:00

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.909		0.160	0.180	1.00	0.0928	pCi/L	06/17/22 13:19	07/11/22 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*40 - 110*	*06/17/22 13:19*	*07/11/22 13:33*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.555		0.288	0.293	1.00	0.386	pCi/L	06/17/22 13:47	06/24/22 10:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*
Y Carrier	*86.7*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*

Method: 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	1.46		0.329	0.344	5.00	0.386	pCi/L		07/13/22 23:09	1

Client Sample ID: T01S
Lab Sample ID: 500-217628-18

Date Collected: 06/14/22 09:42
Matrix: Water
Date Received: 06/14/22 14:57

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.988		0.216	0.233	1.00	0.152	pCi/L	06/17/22 13:19	07/11/22 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.0*		*40 - 110*	*06/17/22 13:19*	*07/11/22 13:33*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.812		0.530	0.535	1.00	0.782	pCi/L	06/17/22 13:47	06/24/22 10:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.0*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*
Y Carrier	*86.7*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*

Method: 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	1.80		0.572	0.584	5.00	0.782	pCi/L		07/13/22 23:09	1

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: T02S

Date Collected: 06/14/22 12:39
Date Received: 06/14/22 14:57

Lab Sample ID: 500-217628-19

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.860		0.183	0.199	1.00	0.130	pCi/L	06/17/22 13:19	07/11/22 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*40 - 110*	*06/17/22 13:19*	*07/11/22 13:33*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.46		0.497	0.515	1.00	0.595	pCi/L	06/17/22 13:47	06/24/22 10:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:44*	*1*
Y Carrier	*88.2*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:44*	*1*

Method: 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	2.32		0.530	0.552	5.00	0.595	pCi/L		07/13/22 23:14	1

Client Sample ID: T08S
Lab Sample ID: 500-217628-20

Date Collected: 06/21/22 09:41
Matrix: Water
Date Received: 06/21/22 11:23

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.411**		0.207	0.210	1.00	0.272	pCi/L	06/23/22 13:51	07/15/22 13:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*40 - 110*	*06/23/22 13:51*	*07/15/22 13:51*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.461	U G	0.623	0.624	1.00	1.04	pCi/L	06/23/22 14:22	07/05/22 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*40 - 110*	*06/23/22 14:22*	*07/05/22 12:20*	*1*
Y Carrier	*86.4*		*40 - 110*	*06/23/22 14:22*	*07/05/22 12:20*	*1*

Method: 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	0.872	U	0.656	0.658	5.00	1.04	pCi/L		07/19/22 12:07	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Job ID: 500-217628-2
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Qualifiers

Rad

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

Glossary

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

Rad

Prep Batch: 569239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	PrecSep-21	
500-217628-3	G20S	Total/NA	Water	PrecSep-21	
500-217628-4	R08S	Total/NA	Water	PrecSep-21	
500-217628-5	R08S DUP	Total/NA	Water	PrecSep-21	
MB 160-569239/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-569239/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-217628-4 DU	R08S	Total/NA	Water	PrecSep-21	

Prep Batch: 569243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-1	G33S	Total/NA	Water	PrecSep_0	
500-217628-3	G20S	Total/NA	Water	PrecSep_0	
500-217628-4	R08S	Total/NA	Water	PrecSep_0	
500-217628-5	R08S DUP	Total/NA	Water	PrecSep_0	
MB 160-569243/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-569243/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-217628-4 DU	R08S	Total/NA	Water	PrecSep_0	

Prep Batch: 569453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-6	T09S	Total/NA	Water	PrecSep-21	
MB 160-569453/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-569453/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-217628-6 DU	T09S	Total/NA	Water	PrecSep-21	

Prep Batch: 569459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-6	T09S	Total/NA	Water	PrecSep_0	
MB 160-569459/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-569459/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-217628-6 DU	T09S	Total/NA	Water	PrecSep_0	

Prep Batch: 569983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-7	G44S	Total/NA	Water	PrecSep-21	
500-217628-8	G46S	Total/NA	Water	PrecSep-21	
500-217628-9	G48S	Total/NA	Water	PrecSep-21	
500-217628-10	G47S	Total/NA	Water	PrecSep-21	
500-217628-11	G30S	Total/NA	GW	PrecSep-21	
500-217628-12	R32S	Total/NA	GW	PrecSep-21	
500-217628-13	G45S	Total/NA	GW	PrecSep-21	
500-217628-14	G31S	Total/NA	Water	PrecSep-21	
MB 160-569983/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-569983/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-217628-7 DU	G44S	Total/NA	Water	PrecSep-21	

Prep Batch: 569988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-7	G44S	Total/NA	Water	PrecSep_0	
500-217628-8	G46S	Total/NA	Water	PrecSep_0	
500-217628-9	G48S	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 569988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-10	G47S	Total/NA	Water	PrecSep_0	
500-217628-11	G30S	Total/NA	GW	PrecSep_0	
500-217628-12	R32S	Total/NA	GW	PrecSep_0	
500-217628-13	G45S	Total/NA	GW	PrecSep_0	
500-217628-14	G31S	Total/NA	Water	PrecSep_0	
MB 160-569988/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-569988/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-217628-7 DU	G44S	Total/NA	Water	PrecSep_0	

Prep Batch: 570468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total/NA	Water	PrecSep-21	
500-217628-16	T05S	Total/NA	Water	PrecSep-21	
500-217628-17	T03S	Total/NA	Water	PrecSep-21	
500-217628-18	T01S	Total/NA	Water	PrecSep-21	
500-217628-19	T02S	Total/NA	Water	PrecSep-21	
MB 160-570468/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-570468/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 570471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-15	T06S	Total/NA	Water	PrecSep_0	
500-217628-16	T05S	Total/NA	Water	PrecSep_0	
500-217628-17	T03S	Total/NA	Water	PrecSep_0	
500-217628-18	T01S	Total/NA	Water	PrecSep_0	
500-217628-19	T02S	Total/NA	Water	PrecSep_0	
MB 160-570471/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-570471/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 571375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total/NA	Water	PrecSep-21	
MB 160-571375/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-571375/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-217628-20 DU	T08S	Total/NA	Water	PrecSep-21	

Prep Batch: 571379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217628-20	T08S	Total/NA	Water	PrecSep_0	
MB 160-571379/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-571379/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-217628-20 DU	T08S	Total/NA	Water	PrecSep_0	

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-569239/23-A
Matrix: Water
Analysis Batch: 572488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569239

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05416	U	0.0571	0.0573	1.00	0.0886	pCi/L	06/09/22 10:38	07/01/22 15:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*40 - 110*	*06/09/22 10:38*	*07/01/22 15:01*	*1*

Lab Sample ID: LCS 160-569239/1-A
Matrix: Water
Analysis Batch: 572488

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569239

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.57		1.09	1.00	0.0869	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.0*		*40 - 110*

Lab Sample ID: 500-217628-4 DU
Matrix: Water
Analysis Batch: 572488

Client Sample ID: R08S
Prep Type: Total/NA
Prep Batch: 569239

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.588			0.5977		0.155	1.00	0.0925	pCi/L			0.03	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*99.8*		*40 - 110*

Lab Sample ID: MB 160-569453/1-A
Matrix: Water
Analysis Batch: 572655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569453

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.07639	U	0.0927	0.0929	1.00	0.152	pCi/L	06/10/22 12:45	07/05/22 14:36	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.5*		*40 - 110*	*06/10/22 12:45*	*07/05/22 14:36*	*1*

Lab Sample ID: LCS 160-569453/2-A
Matrix: Water
Analysis Batch: 572655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569453

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.94		1.14	1.00	0.122	pCi/L	97	75 - 125		

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

Lab Sample ID: LCS 160-569453/2-A
Matrix: Water
Analysis Batch: 572655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569453

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	81.8		40 - 110

Lab Sample ID: 500-217628-6 DU
Matrix: Water
Analysis Batch: 572655

Client Sample ID: T09S
Prep Type: Total/NA
Prep Batch: 569453

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	1.52			1.486		0.254	1.00	0.100	pCi/L			0.06	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	83.0		40 - 110

Lab Sample ID: MB 160-569983/1-A
Matrix: Water
Analysis Batch: 572903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569983

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.001610	U	0.0584	0.0584	1.00	0.120	pCi/L	06/14/22 14:48	07/06/22 08:17	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		40 - 110	06/14/22 14:48	07/06/22 08:17	1

Lab Sample ID: LCS 160-569983/2-A
Matrix: Water
Analysis Batch: 572903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569983

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.26		1.19	1.00	0.103	pCi/L	99	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	70.0		40 - 110

Lab Sample ID: 500-217628-7 DU
Matrix: Water
Analysis Batch: 572904

Client Sample ID: G44S
Prep Type: Total/NA
Prep Batch: 569983

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.493			0.6548		0.155	1.00	0.109	pCi/L			0.55	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	96.0		40 - 110

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

Lab Sample ID: MB 160-570468/1-A
Matrix: Water
Analysis Batch: 573478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570468

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.005455	U	0.0338	0.0338	1.00	0.0770	pCi/L	06/17/22 13:19	07/11/22 08:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:52*	*1*

Lab Sample ID: LCS 160-570468/2-A
Matrix: Water
Analysis Batch: 573478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570468

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.493		0.983	1.00	0.0829	pCi/L	84	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*102*		*40 - 110*

Lab Sample ID: MB 160-571375/1-A
Matrix: Water
Analysis Batch: 574072

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 571375

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01916	U	0.0679	0.0679	1.00	0.129	pCi/L	06/23/22 13:51	07/15/22 13:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.9*		*40 - 110*	*06/23/22 13:51*	*07/15/22 13:50*	*1*

Lab Sample ID: LCS 160-571375/2-A
Matrix: Water
Analysis Batch: 574072

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 571375

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.12		1.15	1.00	0.0958	pCi/L	98	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*94.9*		*40 - 110*

Lab Sample ID: 500-217628-20 DU
Matrix: Water
Analysis Batch: 574072

Client Sample ID: T08S
Prep Type: Total/NA
Prep Batch: 571375

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.411			0.5287		0.180	1.00	0.154	pCi/L			0.30	1

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

Lab Sample ID: 500-217628-20 DU
Matrix: Water
Analysis Batch: 574072

Client Sample ID: T08S
Prep Type: Total/NA
Prep Batch: 571375

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.6		40 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-569243/23-A
Matrix: Water
Analysis Batch: 570941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569243

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4190		0.266	0.269	1.00	0.392	pCi/L	06/09/22 11:25	06/21/22 11:54	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	105		40 - 110	06/09/22 11:25	06/21/22 11:54	1
Y Carrier	91.6		40 - 110	06/09/22 11:25	06/21/22 11:54	1

Lab Sample ID: LCS 160-569243/1-A
Matrix: Water
Analysis Batch: 570924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569243

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.51	9.113		1.21	1.00	0.508	pCi/L	107	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	97.0		40 - 110
Y Carrier	83.4		40 - 110

Lab Sample ID: 500-217628-4 DU
Matrix: Water
Analysis Batch: 570924

Client Sample ID: R08S
Prep Type: Total/NA
Prep Batch: 569243

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.745			0.7416		0.338	1.00	0.441	pCi/L			0.01	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	99.8		40 - 110
Y Carrier	85.6		40 - 110

Lab Sample ID: MB 160-569459/1-A
Matrix: Water
Analysis Batch: 571084

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569459

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7884	U	0.562	0.567	1.00	0.855	pCi/L	06/10/22 13:33	06/22/22 12:00	1

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

Lab Sample ID: MB 160-569459/1-A
Matrix: Water
Analysis Batch: 571084

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569459

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	58.5		40 - 110	06/10/22 13:33	06/22/22 12:00	1
Y Carrier	84.1		40 - 110	06/10/22 13:33	06/22/22 12:00	1

Lab Sample ID: LCS 160-569459/2-A
Matrix: Water
Analysis Batch: 571084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569459

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.51	9.702		1.31	1.00	0.506	pCi/L	114	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	81.8		40 - 110
Y Carrier	88.6		40 - 110

Lab Sample ID: 500-217628-6 DU
Matrix: Water
Analysis Batch: 571084

Client Sample ID: T09S
Prep Type: Total/NA
Prep Batch: 569459

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	1.11			0.8010		0.404	1.00	0.550	pCi/L			0.39	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	83.0		40 - 110
Y Carrier	87.1		40 - 110

Lab Sample ID: MB 160-569988/1-A
Matrix: Water
Analysis Batch: 571241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569988

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5672	U	0.424	0.428	1.00	0.648	pCi/L	06/14/22 15:12	06/23/22 12:13	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		40 - 110	06/14/22 15:12	06/23/22 12:13	1
Y Carrier	79.6		40 - 110	06/14/22 15:12	06/23/22 12:13	1

Lab Sample ID: LCS 160-569988/2-A
Matrix: Water
Analysis Batch: 571241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569988

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.51	9.591		1.41	1.00	0.729	pCi/L	113	75 - 125		

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

Lab Sample ID: LCS 160-569988/2-A
Matrix: Water
Analysis Batch: 571241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569988

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	70.0		40 - 110
Y Carrier	82.2		40 - 110

Lab Sample ID: 500-217628-7 DU
Matrix: Water
Analysis Batch: 571243

Client Sample ID: G44S
Prep Type: Total/NA
Prep Batch: 569988

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.871			0.8242		0.349	1.00	0.439	pCi/L			0.06	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	96.0		40 - 110
Y Carrier	93.1		40 - 110

Lab Sample ID: MB 160-570471/1-A
Matrix: Water
Analysis Batch: 571618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570471

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5165		0.309	0.313	1.00	0.455	pCi/L	06/17/22 13:47	06/24/22 10:47	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	103		40 - 110	06/17/22 13:47	06/24/22 10:47	1
Y Carrier	87.9		40 - 110	06/17/22 13:47	06/24/22 10:47	1

Lab Sample ID: LCS 160-570471/2-A
Matrix: Water
Analysis Batch: 571618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570471

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.51	8.862		1.15	1.00	0.453	pCi/L	104	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	102		40 - 110
Y Carrier	88.6		40 - 110

Lab Sample ID: MB 160-571379/1-A
Matrix: Water
Analysis Batch: 572655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 571379

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6012	U	0.494	0.497	1.00	0.772	pCi/L	06/23/22 14:22	07/05/22 12:19	1

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

Lab Sample ID: MB 160-571379/1-A
Matrix: Water
Analysis Batch: 572655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 571379

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	71.9		40 - 110	06/23/22 14:22	07/05/22 12:19	1
Y Carrier	86.0		40 - 110	06/23/22 14:22	07/05/22 12:19	1

Lab Sample ID: LCS 160-571379/2-A
Matrix: Water
Analysis Batch: 572655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 571379

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.48	8.739		1.22	1.00	0.499	pCi/L	103	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	94.9		40 - 110
Y Carrier	85.6		40 - 110

Lab Sample ID: 500-217628-20 DU
Matrix: Water
Analysis Batch: 572655

Client Sample ID: T08S
Prep Type: Total/NA
Prep Batch: 571379

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.461	U G		0.2132	U G	0.601	1.00	1.06	pCi/L			0.20	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.6		40 - 110
Y Carrier	85.2		40 - 110

Chain of Custody Record

524009

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Address:

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	____ of ____ COCs
Address:	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone.	TAT if different from Below ____			Walk-in Client
Fax:	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2022	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
1 G33S	06/06/22	1402		W	5			/	/	/	/	/	
2 · TO4S	06/06/22	1450		—	—								well under property development excavation, no samples

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

Possible Hazard Identification

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 2.4 Corr'd 1.0 | Therm ID No ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	06/06/22 @ 1526			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
				EETA	6/6/22 1526

Chain of Custody Record

524010

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Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	**Analysis Turnaround Time**			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only**
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2Q 22	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 224	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
3 G20S	06/07/22	0919		W	5			✓	✓	✓	✓	✓	
4 R08S	06/07/22	1357		W	5			✓	✓	✓	✓	✓	
5 R08S DUP	06/07/22	1357		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 3.3 → Corr'd 1.9 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EETA	06/07/22 1524			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time:
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company EETA	Date/Time: 6/7/22 1524

Chain of Custody Record

524011

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager:	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email.	Lab Contact.	Carrier.	____ of ____ COCs
Address	**Analysis Turnaround Time**			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only**
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2022	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, F1, Cl, SO4	Sample Specific Notes
6 TOPS	06/08/22	0908		W	5			/	/	/	/	/	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No.		Cooler Temp (°C) Obs'd 2.4 Corr'd 1.0		Therm ID No _____
Relinquished by	Company: EETA	Date/Time: 06/08/22 e	Received by: 1118	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: Shin Scott	Company: EETA	Date/Time: 6/8/22 1118

Chain of Custody Record

524012 eurofins Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2Q22	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
7	G44S	06/09/22	0947		W	5			✓	✓	✓	✓	✓	
8	G46S	06/09/22	1046		W	5			✓	✓	✓	✓	✓	
9	G48S	06/09/22	1238		W	5			✓	✓	✓	✓	✓	
10	G47S	06/09/22	1358		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.3 Corr'd 2.9 | Therm ID No

	Company	Date/Time		Company	Date/Time
Relinquished by:	EETA	06/09/22 e	Received by: 1513		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by:	Company	Date/Time	Received in Laboratory by:	Company: EETA	Date/Time: 6/9/22 1513

Chain of Custody Record

524013

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity, 2022	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
11	G30S	06/10/22	0928		W	5			✓	✓	✓	✓	✓	
12	R32S	06/10/22	1119		W	5			✓	✓	✓	✓	✓	
13	G45S	06/10/22	1246		W	5			✓	✓	✓	✓	✓	
14	G31S	06/10/22	1337		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

5.8 + 4 4

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

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	06/10/22 @	1438		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EETA	6/10/22 1438

Chain of Custody Record

524014

eurofins

Environment Testing
TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address:	Analysis Turnaround Time			Sampler
City/State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone:	TAT if different from Below _____			Walk-in Client
Fax:	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 Quarry CCR	☐ 1 week			
Site: GW + Turbidity - 2022	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-217628

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
15 TO6S	06/13/22	0935		W	5			✓	✓	✓	✓	✓	
16 TO5S	06/13/22	1123		W	5			✓	✓	✓	✓	✓	
17 TO3S	06/13/22	1350		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C) Obs'd 4.4 Corr'd 3.0 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EETA	06/13/22 @ 1500			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			[signature]	EETA	6/13/22 1500

Chain of Custody Record

524015

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Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Meckler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email:	Lab Contact:	Carrier:	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler:
City/State/Zip: Joliet, IL	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2022	☐ 2 days			Job / SDG No: 500-217628
P O #	☐ 1 day			

500-217628 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
18	T01S	06/14/22	0942		W	5			✓	✓	✓	✓	✓	
19	T02S	06/14/22	1239		W	5			✓	✓	✓	✓	✓	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.3 Corr'd 2.9 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EETA	06/14/22 E	1457		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: [signature]	Company: EETA	Date/Time: 6/14/22 1457

Chain of Custody Record

524016 eurofins Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Diana Meckler	Site Contact	Date	COC No
Company Name: Midwest Generation EME LLC	Tel/Email	Lab Contact	Carrier	_____ of _____ COCs
Address	Analysis Turnaround Time			Sampler
City State/Zip: Joliet, IL.	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Joliet #9 (Quarry) CCR	☐ 1 week			
Site: GW + Turbidity - 2Q22	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-217628

500-217628 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, Fl, Cl, SO4	Sample Specific Notes
20 TOBS	06/21/22	0941		W	5			/	/	/	/	/	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

27+1.3

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

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EETA	06/21/22 e	1123		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: Stephanie Hernandez	Company: EETA	Date/Time: 6/21/22 1123

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-161724.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-217628-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/27/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 2Q22	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
G20S (500-217628-3)	6/7/22	09:19 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R08S (500-217628-4)	6/7/22	13:57 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R08S DUP (500-217628-5)	6/7/22	13:57 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon out 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 complicance to Eurofins Chicago.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	FED EX	6/7/22 1545	BEDA	FED EX		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	FED EX				JUN 08 2022 0920	EASTL
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

7/19/2022

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-161718.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-217628-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/27/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 2Q22	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
G33S (500-217628-1)	6/6/22	14:02 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon out 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 complicance to Eurofins Chicago.

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: FED EX	Date/Time: 6/7/22 1430	Company: EETA	Received by: FED EX
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time:	Company
JUN 08 2022 0930	EATSTL
Date/Time:	Company

Custody Seals Intact: | Custody Seal No.:

7/19/2022

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-161786.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-217628-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/27/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 2Q22	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
T09S (500-217628-6)	6/8/22	09:08 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon out 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 complicance to Eurofins Chicago.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/8/22 1530	ETA	FED EX		
2	FED EX			Shana Worthington	JUN 0 9 2022 0900	ETASL
3						

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

7/19/2022

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-161916.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-217628-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/27/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 2Q22	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
G44S (500-217628-7)	6/9/22	09:47 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G46S (500-217628-8)	6/9/22	10:46 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G48S (500-217628-9)	6/9/22	12:38 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G47S (500-217628-10)	6/9/22	13:58 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G30S (500-217628-11)	6/10/22	09:28 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R32S (500-217628-12)	6/10/22	11:19 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G45S (500-217628-13)	6/10/22	12:46 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G31S (500-217628-14)	6/10/22	13:37 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon out 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 complicance to Eurofins Chicago.

Possible Hazard Identification
Unconfirmed

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 6/10/22 1600	Company: EETA	Received by: FED EX	Date/Time:	Company
Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: JUN 1 3 2022 0900	Company: EMSR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-162051.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-217628-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/27/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 2Q22	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
Preservation Code:											
T01S (500-217628-18)	6/14/22	09:42 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T02S (500-217628-19)	6/14/22	12:39 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon out 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 complicance to Eurofins Chicago.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/14/22 1545	BETA	FED EX		
2	Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: JUN 15 2022 0910	Company ETMSTL
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

7/19/2022

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-162035.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-217628-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/27/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 2Q22 (RAD)	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
Preservation Code:											
T06S (500-217628-15)	6/13/22	09:35 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T05S (500-217628-16)	6/13/22	11:23 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T03S (500-217628-17)	6/13/22	13:50 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon out 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 complicance to Eurofins Chicago.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/14/22 1400	EEA	FED EX		
2	Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: JUN 15 2022 0910	Company EEA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

7/19/2022

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-162331.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-217628-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/27/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Joliet #9 (Quarry) CCR 2Q22	Project #: 50011504			
Site: NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
Preservation Code:											
T08S (500-217628-20)	6/21/22	09:41 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon out 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 complicance to Eurofins Chicago.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	6/21/22 1630	EETA	FED EX		
2	FED EX					
3					6/22/22	ETASTL
4					JUN 22 2022 0920	

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-217628-2

Login Number: 217628
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0,1.9,1.0,2.9,4.4,3.0,2.9,1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-217628-2

Login Number: 217628
List Number: 2
Creator: Bohlmann, Jessica M

List Source: Eurofins St. Louis
List Creation: 06/08/22 03:07 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-217628-2

Login Number: 217628
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 06/09/22 12:28 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: 500-217628-2

Login Number: 217628
List Number: 4
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 06/13/22 01:50 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: 500-217628-2

Login Number: 217628
List Number: 5
Creator: Bohlmann, Jessica M

List Source: Eurofins St. Louis
List Creation: 06/15/22 04:25 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-217628-2

Login Number: 217628
List Number: 6
Creator: Bohlmann, Jessica M

List Source: Eurofins St. Louis
List Creation: 06/22/22 01:26 PM

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

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: G33S
Date Collected: 06/06/22 14:02
Date Received: 06/06/22 15:26

Lab Sample ID: 500-217628-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569239	06/09/22 10:38	MS	TAL SL
Total/NA	Analysis	903.0		1	572488	07/01/22 10:41	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569243	06/09/22 11:25	MS	TAL SL
Total/NA	Analysis	904.0		1	570924	06/21/22 11:48	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	572681	07/05/22 13:06	SCB	TAL SL

Client Sample ID: G20S
Date Collected: 06/07/22 09:19
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569239	06/09/22 10:38	MS	TAL SL
Total/NA	Analysis	903.0		1	572488	07/01/22 10:41	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569243	06/09/22 11:25	MS	TAL SL
Total/NA	Analysis	904.0		1	570924	06/21/22 11:49	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	572681	07/05/22 13:06	SCB	TAL SL

Client Sample ID: R08S
Date Collected: 06/07/22 13:57
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569239	06/09/22 10:38	MS	TAL SL
Total/NA	Analysis	903.0		1	572488	07/01/22 10:41	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569243	06/09/22 11:25	MS	TAL SL
Total/NA	Analysis	904.0		1	570924	06/21/22 11:49	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	572681	07/05/22 13:06	SCB	TAL SL

Client Sample ID: R08S DUP
Date Collected: 06/07/22 13:57
Date Received: 06/07/22 15:24

Lab Sample ID: 500-217628-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569239	06/09/22 10:38	MS	TAL SL
Total/NA	Analysis	903.0		1	572488	07/01/22 10:42	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569243	06/09/22 11:25	MS	TAL SL
Total/NA	Analysis	904.0		1	570924	06/21/22 11:50	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	572681	07/05/22 13:06	SCB	TAL SL

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: T09S
Date Collected: 06/08/22 09:08
Date Received: 06/08/22 11:11

Lab Sample ID: 500-217628-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569453	06/10/22 12:45	MS	TAL SL
Total/NA	Analysis	903.0		1	572655	07/05/22 14:38	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569459	06/10/22 13:33	MS	TAL SL
Total/NA	Analysis	904.0		1	571084	06/22/22 12:02	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: G44S
Date Collected: 06/09/22 09:47
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569983	06/14/22 14:48	MS	TAL SL
Total/NA	Analysis	903.0		1	572904	07/06/22 08:09	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569988	06/14/22 15:12	MS	TAL SL
Total/NA	Analysis	904.0		1	571243	06/23/22 12:19	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: G46S
Date Collected: 06/09/22 10:46
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569983	06/14/22 14:48	MS	TAL SL
Total/NA	Analysis	903.0		1	572904	07/06/22 08:11	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569988	06/14/22 15:12	MS	TAL SL
Total/NA	Analysis	904.0		1	571243	06/23/22 12:21	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: G48S
Date Collected: 06/09/22 12:38
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569983	06/14/22 14:48	MS	TAL SL
Total/NA	Analysis	903.0		1	572904	07/06/22 08:11	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569988	06/14/22 15:12	MS	TAL SL
Total/NA	Analysis	904.0		1	571243	06/23/22 12:21	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: G47S
Date Collected: 06/09/22 13:58
Date Received: 06/09/22 15:13

Lab Sample ID: 500-217628-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569983	06/14/22 14:48	MS	TAL SL
Total/NA	Analysis	903.0		1	572904	07/06/22 08:15	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569988	06/14/22 15:12	MS	TAL SL
Total/NA	Analysis	904.0		1	571243	06/23/22 12:21	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: G30S
Date Collected: 06/10/22 09:28
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-11
Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569983	06/14/22 14:48	MS	TAL SL
Total/NA	Analysis	903.0		1	572904	07/06/22 08:15	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569988	06/14/22 15:12	MS	TAL SL
Total/NA	Analysis	904.0		1	571243	06/23/22 12:21	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: R32S
Date Collected: 06/10/22 11:19
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-12
Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569983	06/14/22 14:48	MS	TAL SL
Total/NA	Analysis	903.0		1	572904	07/06/22 08:15	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569988	06/14/22 15:12	MS	TAL SL
Total/NA	Analysis	904.0		1	571243	06/23/22 12:21	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: G45S
Date Collected: 06/10/22 12:46
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-13
Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569983	06/14/22 14:48	MS	TAL SL
Total/NA	Analysis	903.0		1	572904	07/06/22 08:16	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569988	06/14/22 15:12	MS	TAL SL
Total/NA	Analysis	904.0		1	571243	06/23/22 12:22	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: G31S
Date Collected: 06/10/22 13:37
Date Received: 06/10/22 14:38

Lab Sample ID: 500-217628-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			569983	06/14/22 14:52	MS	TAL SL
Total/NA	Analysis	903.0		1	572904	07/06/22 08:16	CLP	TAL SL
Total/NA	Prep	PrecSep_0			569988	06/14/22 15:12	MS	TAL SL
Total/NA	Analysis	904.0		1	571243	06/23/22 12:22	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: T06S
Date Collected: 06/13/22 09:35
Date Received: 06/13/22 15:00

Lab Sample ID: 500-217628-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 13:33	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:49	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: T05S
Date Collected: 06/13/22 11:23
Date Received: 06/13/22 15:00

Lab Sample ID: 500-217628-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 13:33	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:49	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: T03S
Date Collected: 06/13/22 13:50
Date Received: 06/13/22 15:00

Lab Sample ID: 500-217628-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 13:33	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:49	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Job ID: 500-217628-2

Client Sample ID: T01S

Lab Sample ID: 500-217628-18

Date Collected: 06/14/22 09:42
Date Received: 06/14/22 14:57

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 13:33	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:49	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:09	EMH	TAL SL

Client Sample ID: T02S

Lab Sample ID: 500-217628-19

Date Collected: 06/14/22 12:39
Date Received: 06/14/22 14:57

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 13:33	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571619	06/24/22 10:44	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573825	07/13/22 23:14	EMH	TAL SL

Client Sample ID: T08S

Lab Sample ID: 500-217628-20

Date Collected: 06/21/22 09:41
Date Received: 06/21/22 11:23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			571375	06/23/22 13:51	MS	TAL SL
Total/NA	Analysis	903.0		1	574072	07/15/22 13:51	FLC	TAL SL
Total/NA	Prep	PrecSep_0			571379	06/23/22 14:22	MS	TAL SL
Total/NA	Analysis	904.0		1	572655	07/05/22 12:20	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	574444	07/19/22 12:07	CAH	TAL SL

Laboratory References:

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

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Job ID: 500-217628-2
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Method: 903.0 - Radium-226 (GFPC)

Matrix: GW **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (40-110)						
500-217628-11	G30S	82.5						
500-217628-12	R32S	99.5						
500-217628-13	G45S	103						

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 (40-110)						
500-217628-1	G33S	60.0						
500-217628-3	G20S	98.8						
500-217628-4	R08S	98.8						
500-217628-4 DU	R08S	99.8						
500-217628-5	R08S DUP	98.3						
500-217628-6	T09S	95.3						
500-217628-6 DU	T09S	83.0						
500-217628-7	G44S	85.8						
500-217628-7 DU	G44S	96.0						
500-217628-8	G46S	94.3						
500-217628-9	G48S	100						
500-217628-10	G47S	98.3						
500-217628-14	G31S	91.5						
500-217628-15	T06S	84.3						
500-217628-16	T05S	102						
500-217628-17	T03S	92.5						
500-217628-18	T01S	74.0						
500-217628-19	T02S	92.5						
500-217628-20	T08S	89.9						
500-217628-20 DU	T08S	86.6						
LCS 160-569239/1-A	Lab Control Sample	97.0						
LCS 160-569453/2-A	Lab Control Sample	81.8						
LCS 160-569983/2-A	Lab Control Sample	70.0						
LCS 160-570468/2-A	Lab Control Sample	102						
LCS 160-571375/2-A	Lab Control Sample	94.9						
MB 160-569239/23-A	Method Blank	105						
MB 160-569453/1-A	Method Blank	58.5						
MB 160-569983/1-A	Method Blank	74.5						
MB 160-570468/1-A	Method Blank	103						
MB 160-571375/1-A	Method Blank	71.9						

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Job ID: 500-217628-2
Project/Site: Joliet #9 (Quarry) CCR 2Q22 (RAD)

Method: 904.0 - Radium-228 (GFPC)

Matrix: GW **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-217628-11	G30S	82.5	86.4
500-217628-12	R32S	99.5	87.5
500-217628-13	G45S	103	86.0

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 (40-110)	Y (40-110)
500-217628-1	G33S	60.0	84.5
500-217628-3	G20S	98.8	86.0
500-217628-4	R08S	98.8	85.2
500-217628-4 DU	R08S	99.8	85.6
500-217628-5	R08S DUP	98.3	86.0
500-217628-6	T09S	95.3	87.5
500-217628-6 DU	T09S	83.0	87.1
500-217628-7	G44S	85.8	89.7
500-217628-7 DU	G44S	96.0	93.1
500-217628-8	G46S	94.3	94.6
500-217628-9	G48S	100	86.0
500-217628-10	G47S	98.3	85.6
500-217628-14	G31S	91.5	88.2
500-217628-15	T06S	84.3	86.4
500-217628-16	T05S	102	85.2
500-217628-17	T03S	92.5	86.7
500-217628-18	T01S	74.0	86.7
500-217628-19	T02S	92.5	88.2
500-217628-20	T08S	89.9	86.4
500-217628-20 DU	T08S	86.6	85.2
LCS 160-569243/1-A	Lab Control Sample	97.0	83.4
LCS 160-569459/2-A	Lab Control Sample	81.8	88.6
LCS 160-569988/2-A	Lab Control Sample	70.0	82.2
LCS 160-570471/2-A	Lab Control Sample	102	88.6
LCS 160-571379/2-A	Lab Control Sample	94.9	85.6
MB 160-569243/23-A	Method Blank	105	91.6
MB 160-569459/1-A	Method Blank	58.5	84.1
MB 160-569988/1-A	Method Blank	74.5	79.6
MB 160-570471/1-A	Method Blank	103	87.9
MB 160-571379/1-A	Method Blank	71.9	86.0

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier