DATA SUMMARY POSTING

Station: Midwest Generation Will County Generating Station

Regulated Unit(s): Pond 1N (IEPA ID No. W1978100011-01)
Pond 1S (IEPA ID No. W1978100011-02)

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 2024 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements.

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 for Ponds 1N and 1S dated March 31, 2022. 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 1A. Groundwater Analytical Results-Midwest Generation, LLC, Will County Station, Romeoville, IL. Pond 1N.

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
MW-01 up-gradient	5/3/2021	2.6	170	F1 21	0.62	6.83	390	1200	< 0.003	< 0.001	0.095	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.034	< 0.0002	0.012	0.623	0.0093	< 0.002
	5/24/2021	2.5	200	18	0.63	6.86	350	1100	< 0.003	< 0.001	0.093	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	F1 < 0.012	0.953	0.012	< 0.002
	6/7/2021	3.0	200	18	0.63	6.52	380	510	< 0.003	< 0.001	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.037	< 0.0002	0.013	< 0.372	0.01	< 0.002
	6/25/2021	B 2.6	200	20	0.59	6.64	410	1200	^+ < 0.003	< 0.001	0.097	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.037	< 0.0002	0.014	0.672	0.0042	< 0.002
	7/12/2021	2.4	190	16	0.60	6.55	320	1000	< 0.003	0.0012	0.100	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.045	< 0.0002	0.013	0.457	0.012	< 0.002
	8/2/2021	2.4	200	18	0.65	6.57	410	1300	< 0.003	0.001	0.100	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.014	0.478	0.0095	< 0.002
	8/23/2021	2.4	200	18	0.61	6.99	400	1100	< 0.003	< 0.001	0.100	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.014	0.697	0.0058	< 0.002
	11/19/2021	2.0	170	29	0.56	6.62	260	970	< 0.003	< 0.001	0.090	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	0.0098	1.16	0.017	< 0.002
	2/21/2022	2.0	190	26	0.55	6.63	370	1200	< 0.003	< 0.001	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.032	< 0.0002	0.011	0.773	0.0079	< 0.002
	6/15/2022	2.6	180	33	0.61	6.43	350	1100	< 0.003	< 0.001	0.09	< 0.001	0.00054	< 0.005	< 0.001	< 0.0005	0.033	< 0.0002	0.015	0.945	0.0087	< 0.002
	8/24/2022	2.7	180	24	0.61	6.51	370	1400	< 0.003	< 0.001	0.093	< 0.001	^1+ 0.00092	< 0.005	0.0016	0.00078	0.038	< 0.0002	0.015	0.581	0.0047	< 0.002
	11/15/2022	2.9	190	22	1.00	6.59	360	1100	< 0.003	0.0011	0.097	^+ < 0.001	0.00052	< 0.005	0.001	0.00057	0.039	< 0.0002	0.014	< 0.63	0.0085	< 0.002
	2/22/2023	2	170	29	0.49	6.93	360	1000	< 0.003	< 0.001	0.082	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.031	< 0.0002	0.013	< 0.544	0.0092	< 0.002
	4/27/2023	2.4	120	77	0.69	6.79	400	1100	< 0.0030	< 0.0010	0.065	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.028	< 0.00020	0.041	0.824	< 0.0025	< 0.0020
	7/27/2023	2.3	170	29	0.58	6.54	320	1000	< 0.0030	< 0.0010	0.088	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.036	< 0.00020	0.016	1.92	0.013	< 0.0020
	10/23/2023	2.1	160	21	0.55	6.47	240	1000	< 0.0030	< 0.0010	B 0.087	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.038	< 0.00020	0.012	< 0.625	0.0099	< 0.0020
	2/6/2024	2.8	120	72	0.75	6.83	400	1100	^1+ < 0.0030	< 0.0010	0.076	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.049	0.686	0.0032	< 0.0020
	5/7/2024	2.7	100	78	0.75	7.39	400	980	< 0.0030	< 0.0010	0.063	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.025	< 0.00020	0.058	1.17	< 0.0025	< 0.0020
MW-02 up-gradient	5/3/2021	5.3	87	28	0.41	7.76	500	1100	< 0.003	0.009	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.046	< 0.0002	0.072	1.3	< 0.0025	< 0.002
	5/24/2021	5.2	88	24	0.41	7.77	550	1100	< 0.003	0.0099	0.059	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.047	< 0.0002	0.07	1.19	< 0.0025	< 0.002
	6/7/2021	6.5	100	25	0.4	7.60	540	1100	< 0.003	0.011	0.057	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.045	< 0.0002	0.081	0.54	< 0.0025	< 0.002
	6/28/2021	B 5.3	95	23	0.36	7.93	500	1200	^+ < 0.003	0.012	0.059	< 0.001	< 0.0005	0.0057	< 0.001	< 0.0005	0.046	< 0.0002	0.075	0.8	< 0.0025	< 0.002
	7/12/2021	5.2	97	21	0.37	7.53	480	970	< 0.003	0.012	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.051	< 0.0002	0.071	1.07	< 0.0025	< 0.002
	8/2/2021	4.8	92	24	0.37	7.54	520	1200	< 0.003	0.011	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.048	< 0.0002	0.073	0.798	< 0.0025	< 0.002
	8/23/2021	5.0	92	26	0.38	8.02	530	830	< 0.003	0.011	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.048	< 0.0002	0.075	0.986	< 0.0025	< 0.002
	11/19/2021	5.2	86	27	0.38	7.72	520	1100	< 0.003	0.014	0.057	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.068	1.43	< 0.0025	< 0.002
	2/21/2022	4.9	92	32	0.43	7.65	550	1100	< 0.003	0.01	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.083	< 0.848	< 0.0025	< 0.002
	6/15/2022	5.3	91	30	0.39	7.32	460	1100	< 0.003	0.01	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.073	1.17	< 0.0025	< 0.002
	8/24/2022	5.6	81	28	0.38	7.73	480	1100	< 0.003	0.015	0.059	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.07	0.984	< 0.0025	< 0.002
	11/15/2022	6.5	99	27	0.64	7.64	530	1000	< 0.003	0.017	0.069	^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.00052	0.047	< 0.0002	0.076	2.13	< 0.0025	< 0.002
	2/22/2023	4.6	89	29	0.38	7.86	460	980	< 0.003	0.0095	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.042	< 0.0002	0.075	0.974	< 0.0025	< 0.002
	4/27/2023	4.6	83	29	0.37	7.60	430	1000	< 0.0030	0.0088	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.043	< 0.00020	0.072	0.961	< 0.0025	< 0.0020
	7/27/2023	5.8	89	28	0.38	7.50	490	990	< 0.0030	0.011	0.056	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.046	< 0.00020	0.073	1.31	< 0.0025	< 0.0020
	10/23/2023	5.7	93	26	0.36	7.56	480	1100	< 0.0030	0.012	B 0.061	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.050	< 0.00020	0.07	0.726	< 0.0025	< 0.0020
	2/6/2024	4.7	87	43	0.37	7.58	410	960	^1+ < 0.0030	0.011	0.066	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.067	< 0.532	< 0.0025	< 0.0020
	5/7/2024	5.0	81	36	0.36	7.91	370	910	< 0.0030	0.0084	0.052	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.047	< 0.00020	0.064	0.783	< 0.0025	< 0.0020
MW-07 down gradient	5/4/2021	4.0	130	110	0.69	8.29	490	1000	< 0.003	0.0022	0.063	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.026	< 0.0002	0.051	0.952	< 0.0025	< 0.002
	5/24/2021	4.2	150	140	0.53	8.38	590	1400	< 0.003	0.0022	0.064	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.049	1.28	< 0.0025	< 0.0025
	6/7/2021	4.0	110	120	0.69	7.62	480	1000	< 0.003	0.0026	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.07	1.25	< 0.0025	< 0.002
	6/25/2021	B 6.0	290	250	0.42	6.35	850	2300	^+ < 0.003	0.0024	0.12	< 0.001	< 0.0005	0.034	0.0012	< 0.0005	0.032	< 0.0002	0.051	0.694	0.0039	< 0.002
	7/12/2021	4.6	230	170	0.65	6.87	510	1400	< 0.003	0.0044	0.063	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.039	< 0.0002	0.05	1.4	0.0031	< 0.002
	8/2/2021	3.1	120	130	0.69	7.97	450	980	< 0.003	0.0036	0.071	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.068	1.07	< 0.0025	< 0.002
	8/25/2021	2.8	80	130	0.73	8.63	420	800	< 0.003	0.0027	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.076	1.21	< 0.0025	< 0.002
	11/19/2021	3.9	170	190	0.48	6.62	680	1800	< 0.003	0.0065	0.048	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.033	2.4	< 0.0025	< 0.002
	2/22/2022	2.6	160	130	0.42	6.50	290	1200	< 0.003	0.0012	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.016	< 0.529	< 0.0025	< 0.002
	6/15/2022	4.4	150	120	0.68	7.24	520	1100	< 0.003	0.0045	0.075	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.056	1.3	< 0.0025	< 0.002
	8/25/2022	2.9	65	130	0.75	7.90	450	1100	< 0.003	0.0035	0.052	< 0.001	< ^1+ 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.073	0.944	< 0.0025	< 0.002
	11/15/2022	3	59	140	1.00	8.01	440	1000	< 0.003	0.0032	0.044	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.087	1.29	< 0.0025	< 0.002
	2/22/2023	3	220	120	0.41	6.68	470	1500	< 0.003	0.0016	0.084	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.022	0.714	< 0.0025	< 0.002
	4/27/2023	3.5	190	110	0.55	6.51	610	1600	< 0.0030	0.0021	0.067	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.026	< 0.00020	0.043	< 0.566	< 0.0025	< 0.0020
	7/27/2023	3.2	81	130	0.65	7.38	470	1100	< 0.0030	0.0026	0.052	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.019	< 0.00020	0.072	0.936	< 0.0025	< 0.0020
	10/23/2023	3.4	89	130	0.74	7.29	470	1200	< 0.0030	0.0026	B 0.056	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.020	< 0.00020	0.078	1.09	< 0.0025	< 0.0020
	2/7/2024	3.8	210	120	0.31	6.42	480	1500	^1+ < 0.030	0.0013	0.12	^1+ < 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.027	< 0.00020	0.019	0.575	< 0.0025	< 0.0020
	5/8/2024	2.8	210	100	0.35	6.71	390	1300	< 0.0030	< 0.0010	0.084	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.028	< 0.00020	0.018	< 0.569	< 0.0025	< 0.0020
MW-14 down gradient	5/4/2021	4.8	130	110	0.44	8.03	490	1100	< 0.003	0.0035	0.097	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.046	< 0.0002	0.053	< 0.453	< 0.0025	< 0.002
	5/25/2021	5.1	140	110	0.42	7.94	550	1300	< 0.003	0.0038	0.082	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.051	< 0.0002	0.052	0.736	< 0.0025	< 0.002
	6/7/2021	5.7	150	110	0.47	7.53	530	1200	< 0.003	0.0047	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	0.00062	0.05	< 0.0002	0.054	< 0.368	< 0.0025	< 0.002
	6/28/2021	B 3.1	87	120	0.74	8.17	400	990	^+ < 0.003	0.0028	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.081	1.07	< 0.0025	< 0.002
	7/12/2021	5.2	130	92	0.46	7.67	470	1100	< 0.003	0.0061	0.094	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.058	< 0.0002	0.049	1.07	< 0.0025	< 0.002
	8/2/2021	4.7	120	88	0.47	7.75	470	1100	< 0.003	0.0064	0.24	< 0.001	< 0.0005	< 0.005	< 0.001	0.0016	0.052	< 0.0002	0.051	1.25	< 0.0025	< 0.002
	8/25/2021	4.1	96	92	0.58	8.21	440	930	< 0.003	0.0047	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	0.00054	0.037	< 0.0002	0.064	1.43	< 0.0025	< 0.002
	11/23/2021	3.0	81	120	0.6	7.90	460	1000	< 0.003	0.0023	0.051	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.02	< 0.0002	0.049	1.21	< 0.0025	< 0.002
	2/23/2022	3.8	110	110	0.58	7.86	440	1100	< 0.003	0.0028	0.12	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.059	0.874	< 0.0025	< 0.002
	6/14/2022	5.3	160	^+ 110	0.47	7.09	490	1200	< 0.003	0.0021	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.048	< 0.0002	0.05	1.13	< 0.0025	< 0.002
	8/23/2022	4.1	97	97	0.57	7.72	410	1200	< 0.003	0.0022	0.092	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	0.03	< 0.0002	0.067	1.45	< 0.0025	< 0.002
	11/17/2022	3.1	83	120	0.85	7.94	570	970	< 0.003	0.0024	0.11	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.073	0.817	< 0.0025	< 0.002
	2/21/2023	2.6	88	120	0.61	8.02	390	970	< 0.003	0.0028	0.15	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.071	0.961	< 0.0025	< 0.002
	4/25/2023	3.2	100	120	0.56	7.71	480	1000	< 0.0030	0.0028	0.082	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.024	< 0.00020	0.064	< 0.536	< 0.0025	< 0.0020
	7/25/2023	3.8	99	110	0.57	7.75	440	970	< 0.0030	0.0025	0.081	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.030	< 0.00020	0.069	1.37	< 0.0025	< 0.0020
	10/19/2023	3.3	86	110	0.63	7.84	430	970	< 0.0030	0.0024	B 0.083	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.023	< 0.00020	0.069	1.61	< 0.0025	< 0.0020
	2/5/2024	4.2	140	110	0.61	7.70	570	1300	^1+ < 0.0030	0.0032	0.12	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.062	0.812	< 0.0025	< 0.0020
	5/7/2024	3.7	110	100	0.57	8.12	460	1100	< 0.0030	0.0019	0.079	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.032	< 0.00020	0.058	0.685	< 0.0025	< 0.0020
MW-15 down gradient	5/4/2021	3.1	180	140	0.34	7.29	510	1400	< 0.003	0.0015	0.18	< 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.025	< 0.0002	0.03	1.16	< 0.0025	< 0.002
	5/25/2021	3.2	220	120	0.37	7.27	600	1400	< 0.003	0.0018	0.14	^1+ < 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.025	< 0.0002	0.026	< 0.564	< 0.0025	< 0.002
	6/7/2021	3.8	170	110	0.53	7.12	570	1200	< 0.003	0.0021	0.10	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.033	0.491	< 0.0025	< 0.002
	6/25/2021	B 3.4	170	110	0.51	7.09	550	1300	^+ < 0.003	0.003	0.10	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.036	0.533	< 0.0025	< 0.002
	7/12/2021	3.3	180	110	0.47	7.01	510	1300	< 0.003	0.0041	0.12	^+ < 0.001	< 0.0005	< 0.005	0.0013	< 0.0005	0.025	< 0.0002	0.028	0.931	< 0.0025	< 0.002
	8/2/2021	3.1	160	98	0.56	7.23	550	1200	< 0.003	0.0039	0.097	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.036	1.3	< 0.0025	< 0.002
	8/25/2021	3.2	140	130	0.6	7.73	510	820	< 0.003	0.0028	0.097	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.036	1.46	< 0.0025	< 0.002
	11/19/2021	2.9	140	120	0.46	6.91	570	1300	< 0.003	0.0036	0.084	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.021	1.57	< 0.0025	< 0.002
	2/22/2022	3.3	230	100	0.38	6.73	620	1600	< 0.003	0.003	0.12	^1+ < 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.021	< 0.0002	0.02	1.46	< 0.0025	< 0.002
	6/14/2022	3.7	230	^+ 130	0.45	6.60	750	1500	< 0.003	0.0027	0.10	< 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.021	< 0.0002	0.027	0.539	< 0.0025	< 0.002
	8/23/2022	3.5	160	110	0.58	6.90	580	1500	< 0.003	0.0047	0.088	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.03	0.714	< 0.0025	< 0.002
	11/17/2022	4.1	170	120	0.57	7.16	480	1200	< 0.003	0.0038	0.098	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.02	< 0.0002	0.03	0.857	< 0.0025	< 0.002
	2/21/2023	3	290	120	0.28	6.61	690	1700	< 0.003	0.0031	0.15	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.026	< 0.0002	0.015	0.957	< 0.0025	< 0.002
	4/25/2023	3.2	250	120	0.30	6.50	730	1700	< 0.0030	0.0018	0.11	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.028	< 0.00020	0.019	< 0.504	< 0.0025	< 0.0020
	7/25/2023	3.5	180	110	0.54	6.97	590	1300	< 0.0030	0.0041	0.085	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.022	< 0.00020	0.029	0.625	< 0.0025	< 0.0020
	10/19/2023	3.4	140	110	0.62	7.09	510	1100	< 0.0030	0.0032	B 0.074	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.019	< 0.00020	0.034	1.02	< 0.0025	< 0.0020
	2/6/2024	3.5	260	80	0.27	6.63	690	1800	^1+ < 0.0030	0.0075	0.14	^+ < 0.0010	< 0.00050	< 0.0050	0.0018	< 0.00050	< 0.10	< 0.00020	0.019	0.760	< 0.0025	< 0.0020
	5/7/2024	3.1	230	49	0.31	6.99	570	1500	< 0.0030	0.0060	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.030	< 0.00020	0.015	1.170	< 0.0025	< 0.0020

Notes: All units are in mg/l except pH is in standard units and radium is in pCi/L
B - Compound was found in the blank and sample.
R - Resample

F1 - MS and/or MSD Recovery outside of limits.
F2 - MS/MSD RPD exceeds control limits
^1+ or ^+ - Initial or Continuing Calibration Verification limits is outside acceptable limits, high biased.

Table 1B. Groundwater Analytical Results-Midwest Generation, LLC, Will County Station, Romeoville, IL. Pond 1S.

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
MW-03 up-gradient	5/3/2021	3.3	140	18	0.31	6.90	240	890	< 0.003	0.0011	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.017	0.993	< 0.0025	< 0.002
	5/24/021	3.2	120	19	0.34	6.91	270	900	< 0.003	0.001	0.001	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	0.018	0.922	0.0057	< 0.002
	6/8/2021	3.7	140	21	0.32	6.75	290	940	< 0.003	0.0014	0.10	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.017	0.857	< 0.0025	< 0.002
	6/28/2021	B 3.6	120	23	0.32	7.17	290	930	^+ < 0.003	0.0023	0.091	< 0.001	< 0.0005	< 0.005	0.001	< 0.0005	0.044	< 0.0002	0.022	1.03	< 0.0025	< 0.002
	7/12/2021	3.8	120	27	0.33	6.88	270	870	< 0.003	0.0033	0.10	< 0.001	0.00053	< 0.005	< 0.001	< 0.0005	0.048	< 0.0002	0.028	1.97	< 0.0025	< 0.002
	8/2/2021	6.2	120	31	0.3	6.86	280	920	< 0.003	0.0053	0.096	< 0.001	< 0.0005	< 0.005	0.001	< 0.0005	0.043	< 0.0002	0.021	1.16	< 0.0025	< 0.002
	8/24/2021	3.3	120	F1 F2 50	0.35	7.28	300	890	< 0.003	0.0021	0.091	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.042	< 0.0002	0.022	0.763	< 0.0025	< 0.002
	11/19/2021	3.7	160	27	0.32	6.67	330	970	< 0.003	0.0016	0.12	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.039	< 0.0002	0.025	2.47	0.0082	< 0.002
	2/24/2022	2.6	220	18	0.3	6.53	360	1200	< 0.003	0.0015	0.12	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.032	< 0.0002	0.014	1.11	0.046	< 0.002
	6/16/2022	4.0	140	18	0.31	6.62	300	910	< 0.003	0.0014	0.10	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.045	< 0.0002	0.022	1.38	< 0.0025	< 0.002
	8/24/2022	3.4	140	35	0.34	6.73	360	1200	< 0.003	< 0.001	0.096	< 0.001	^1+ < 0.0005	< 0.005	0.001	< 0.0005	0.035	< 0.0002	0.018	1.24	< 0.0025	< 0.002
	11/15/2022	3.5	140	43	F1 0.64	6.79	360	990	< 0.003	0.0039	0.095	^+ < 0.001	< 0.0005	< 0.005	0.0012	0.00063	0.037	< 0.0002	0.021	1.78	< 0.0025	< 0.002
	2/22/2023	2.4	180	14	0.29	6.83	330	1000	< 0.003	< 0.001	0.099	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.03	< 0.0002	0.013	0.76	0.03	< 0.002
	4/27/2023	3.2	150	16	0.28	6.54	320	1000	< 0.0030	0.0013	0.090	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.040	< 0.00020	0.021	1.12	0.0057	< 0.0020
	7/27/2023	3.5	160	16	0.25	6.53	280	930	< 0.0030	0.0010	0.11	^+ < 0.0010	< 0.00050	< 0.0050	0.0010	< 0.00050	0.043	< 0.00020	0.013	1.43	0.0053	< 0.0020
	10/23/2023	3.7	140	19	0.26	6.63	200	900	< 0.0030	< 0.0010	B 0.10	< 0.0010	< 0.00050	< 0.0050	0.0012	< 0.00050	0.034	< 0.00020	0.011	1.90	0.0042	< 0.0020
	2/6/2024	3.9	150	14	0.28	6.73	270	890	^1+ < 0.0030	< 0.0010	0.097	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.018	1.12	0.0041	< 0.0020
	5/7/2024	4.2	120	15	0.31	7.10	320	870	< 0.0030	< 0.0010	0.086	< 0.0010	< 0.00050	< 0.0050	< 0.0011	< 0.00050	0.044	< 0.00020	0.028	0.668	< 0.0025	< 0.0020
MW-04 up-gradient	5/3/2021	5.1	310	28	0.36	6.76	910	2000	< 0.003	0.003	0.046	< 0.001	< 0.0005	< 0.005	0.0019	< 0.0005	0.026	< 0.0002	0.026	1.16	< 0.0025	< 0.002
	5/24/2021	5.5	340	24	0.38	6.90	950	2000	< 0.003	0.0039	0.047	^1+ < 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.027	< 0.0002	0.028	1.72	0.0051	< 0.002
	6/8/2021	5.7	310	24	0.37	6.58	910	2000	< 0.003	0.0026	0.043	< 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.027	< 0.0002	0.028	< 0.459	0.0076	< 0.002
	6/28/2021	B 5.6	330	20	0.35	6.95	930	2100	^+ < 0.003	0.011	0.047	< 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.025	< 0.0002	0.027	1.12	0.019	< 0.002
	7/12/2021	5.9	320	16	0.38	6.70	970	2100	< 0.003	0.01	0.049	< 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.03	< 0.0002	0.033	1.68	0.0056	< 0.002
	8/2/2021	5.3	310	21	0.38	6.71	1000	2200	< 0.003	0.0039	0.046	< 0.001	< 0.0005	< 0.005	0.0018	< 0.0005	0.027	< 0.0002	0.032	1.18	< 0.0025	< 0.002
	8/24/2021	6.2	320	90	0.40	7.09	1100	1700	< 0.003	0.0075	0.046	< 0.001	< 0.0005	< 0.005	0.002	< 0.0005	0.028	< 0.0002	0.035	< 0.642	< 0.0025	< 0.002
	11/19/2021	6.1	300	23	0.36	6.69	840	1900	< 0.003	0.0063	0.044	^1+ < 0.001	< 0.0005	< 0.005	0.0022	< 0.0005	0.022	< 0.0002	0.023	1.17	< 0.0025	< 0.002
	2/24/2022	4.7	350	16	0.37	6.50	950	2100	< 0.003	0.02	0.039	^1+ < 0.001	< 0.0005	< 0.005	0.0017	< 0.0005	0.02	< 0.0002	0.028	< 0.424	0.09	< 0.002
	6/16/2022	5.5	310	22	0.37	6.55	990	2200	< 0.003	0.003	0.045	< 0.001	< 0.0005	< 0.005	0.0021	< 0.0005	0.023	< 0.0002	0.026	1.39	0.0044	< 0.002
	8/24/2022	5.8	280	18	0.40	6.57	810	2000	< 0.003	0.0053	0.044	< 0.001	^1+ < 0.0005	< 0.005	0.003	< 0.0005	0.019	< 0.0002	0.021	1.41	0.003	< 0.002
	11/15/2022	5.6	290	19	0.64	6.64	770	1700	< 0.003	0.011	0.047	^+ < 0.001	< 0.0005	< 0.005	0.0032	< 0.0005	0.02	< 0.0002	0.021	4.15	0.0061	< 0.002
	2/22/2023	3.7	390	36	0.38	6.77	1200	2500	< 0.003	0.0044	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.02	< 0.0002	0.032	0.795	0.067	< 0.002
	4/27/2023	4.3	310	25	0.33	6.51	870	2000	< 0.0030	0.0027	0.039	< 0.0010	< 0.00050	< 0.0050	0.0015	< 0.00050	0.021	< 0.00020	0.023	1.19	0.0091	< 0.0020
	7/27/2023	4.9	300	20	0.36	6.49	790	1700	< 0.0030	0.0017	0.041	^+ < 0.0010	< 0.00050	< 0.0050	0.0015	< 0.00050	0.021	< 0.00020	0.019	1.28	0.026	< 0.0020
	10/23/2023	4.6	210	12	0.40	6.55	500	1300	< 0.0030	0.0013	0.043	< 0.0010	< 0.00050	< 0.0050	0.0015	< 0.00050	0.019	< 0.00020	0.022	0.923	0.013	< 0.0020
	2/6/2024	4.2	350	59	0.28	6.51	950	2100	^1+ < 0.0030	0.0039	0.037	^+ < 0.0010	< 0.00050	< 0.0050	0.0012	< 0.00050	< 0.10	< 0.00020	0.039	0.770	0.043	< 0.0020
	5/8/2024	4.1	320	25	0.37	6.62	750	1800	< 0.0030	0.0011	0.048	< 0.0010	< 0.00050	< 0.0050	0.0011	< 0.00050	0.023	< 0.00020	0.022	0.651	0.014	< 0.0020
MW-08 down gradient	5/4/2021	2.6	190	290	0.51	6.95	490	1900	< 0.003	0.0073	0.081	< 0.001	< 0.0005	< 0.005	0.0015	< 0.0005	0.015	< 0.0002	0.047	0.873	< 0.0025	< 0.002
	5/25/2021	2.8	170	290	0.51	6.90	540	1600	< 0.003	0.0074	0.083	^1+ < 0.001	< 0.0005	< 0.005	0.001	< 0.0005	0.016	< 0.0002	0.044	1.06	< 0.0025	< 0.002
	6/7/2021	4.2	170	120	0.59	7.24	650	1400	< 0.003	0.01	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.091	0.768	< 0.0025	< 0.002
	6/28/2021	B 3.0	160	190	0.53	7.17	480	1400	^+ < 0.003	0.014	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	0.0011	0.019	< 0.0002	0.066	0.621	< 0.0025	< 0.002
	7/12/2021	7.0	200	260	0.5	6.64	530	1600	< 0.003	0.013	0.17	^+ < 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.022	< 0.0002	0.07	0.841	< 0.0025	< 0.002
	8/2/2021	3.1	160	180	0.53	6.87	530	1400	< 0.003	0.012	0.074	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.076	0.533	< 0.0025	< 0.002
	8/25/2021	3.0	130	150	0.61	7.45	500	1100	< 0.003	0.011	0.068	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.084	0.888	< 0.0025	< 0.002
	11/19/2021	3.3	200	310	0.5	6.66	630	1900	< 0.003	0.0094	0.065	^1+ < 0.001	< 0.0005	< 0.005	0.0014	< 0.0005	0.013	< 0.0002	0.043	1.69	< 0.0025	< 0.002
	2/24/2022	1.6	170	210	0.52	6.84	270	1200	< 0.003	0.006	0.061	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	0.00068	0.0088	< 0.0002	0.026	< 0.645	0.048	< 0.002
	6/15/2022	2.9	150	170	0.59	6.66	480	1300	< 0.003	0.0048	0.075	< 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.014	< 0.0002	0.064	1.39	< 0.0025	< 0.002
	8/25/2022	3.0	120	140	0.75	6.95	480	1200	< 0.003	0.0062	0.059	< 0.001	^1+ 0.0012	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.085	1.23	< 0.0025	< 0.002
	11/17/2022	3.5	110	120	0.63	7.19	500	1100	< 0.003	0.014	0.061	^+ < 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.021	< 0.0002	0.11	1.2	< 0.0025	< 0.002
	2/23/2023	1.9	150	200	0.6	7.03	320	1300	< 0.003	0.003	0.04	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.028	0.949	0.033	< 0.002
	4/27/2023	2.7	180	150	0.54	6.82	480	1600	< 0.0030	0.0025	0.052	< 0.0010	< 0.00050	< 0.0050	0.0014	< 0.00050	< 0.010	< 0.00020	0.030	< 0.654	< 0.0025	< 0.0020
	7/26/2023	3.3	140	120	0.65	7.27	530	1200	< 0.0030	0.0029	0.056	< 0.0010	< 0.00050	< 0.0050	0.0018	< 0.00050	0.018	< 0.00020	0.080	< 0.901	< 0.0025	< 0.0020
	10/24/2023	3.6	110	110	0.72	7.09	510	1200	< 0.0030	0.0059	B 0.055	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.022	< 0.00020	0.10	1.03	< 0.0025	< 0.0020
	2/7/2024	2.6	190	180	0.45	6.86	410	1400	^1+ < 0.030	0.0024	0.070	^1+ < 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.010	< 0.00020	0.026	< 0.536	0.015	< 0.0020
	5/8/2024	1.7	140	220	0.53	7.05	210	1100	< 0.030	0.0029	0.067	< 0.0010	< 0.00050	< 0.0050	0.0015	< 0.00050	< 0.010	< 0.00020	0.017	< 0.658	< 0.0025	< 0.0020
MW-09 down gradient	11/11/2015	1.9	56	190	0.55	9.12	460	750	< 0.003	0.0047	0.027	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	-0.2208	< 0.0025	< 0.002
	2/17/2016	1.8	47	160	0.55	9.10	250	600	< 0.003	0.0051	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00065	< 0.01	< 0.0002	0.089	< 0.373	< 0.0025	< 0.002
	5/24/2016	1.6	48	180	0.51	8.79	240	640	< 0.003	0.0043	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00071	< 0.01	< 0.0002	0.079	0.508	< 0.0025	< 0.002
	8/9/2016	2.2	53	140	0.48	8.35	280	750	< 0.003	0.0052	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	0.639	< 0.0025	< 0.002
	10/26/2016	2.2	33	130	0.81	9.16	230	660	< 0.003	0.0069	0.019	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.11	0.608	< 0.0025	< 0.002
	1/31/2017	2.0	61	250	0.57	8.59	180	710	< 0.003	0.0063	0.038	* < 0.001	< 0.0005	< 0.005	< 0.0010	0.0014	< 0.01	^ < 0.0002	0.09	< 0.45	< 0.0025	< 0.002
	5/9/2017	1.8	66	340	0.38	8.58	250	900	< 0.003	0.0052	0.038	< 0.001	< 0.0005	< 0.005	< 0.0010	0.00054	< 0.01	< 0.0002	0.093	< 0.361	< 0.0025	< 0.002
	6/27/2017	1.9	64	330	0.51	7.76	240	940	< 0.003	0.0046	0.039	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.091	0.638	< 0.0025	< 0.002
	9/6/2017	1.8	59	310	0.51	8.98	240	890	< 0.003	0.0047	0.038	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.1	0.454	< 0.0025	< 0.002
	11/14/2017	2.6	160	270	0.51	8.10	290	910	< 0.003	0.0017	0.11	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.018	< 0.0002	0.026	< 0.372	0.0061	< 0.002
	5/1/2018	1.7	49	200	0.52	7.81	430	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2018 R	NA	NA	NA	NA	NA	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/2/2018	2.1	49	170	0.55	8.09	270	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	1.5	48	280	0.29	8.90	150	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	2.0	38	140	0.46	8.65	160	630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2020	1.3	55	320	0.32	8.66	140	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	2.0	43	240	0.55	8.64	180	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2021	1.6	67	360	0.39	8.74	180	900	< 0.003	0.0044	0.054	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.054	0.741	< 0.0025	< 0.002
	8/25/2021	1.9	60	360	0.43	9.06	210	800	< 0.003	0.0065	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.067	< 0.444	< 0.0025	< 0.002
	11/23/2021	1.1	30	290	0.47	8.73	210	900	< 0.003	0.0046	0.024	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.037	0.789	< 0.0025	< 0.002
	2/22/2022	1.5	49	250	0.40	8.65	160	900	< 0.003	0.007	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0065	< 0.0002	0.051	< 0.409	< 0.0025	< 0.002
	6/15/2022	1.9	43	230	0.48	8.35	180	730	< 0.003	0.0071	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.057	< 0.39	< 0.0025	< 0.002
	8/25/2022	2.1	38	210	0.58	8.68	190	770	< 0.003	0.0089	0.034	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.065	0.661	< 0.0025	< 0.002
	11/16/2022	2.4	37	200	0.76	8.82	180	750	< 0.003	0.0093	0.037	^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.00073	< 0.01	< 0.0002	0.068	0.648	< 0.0025	< 0.002
	2/23/2023	1.7	36	190	0.53	9.04	210	720	< 0.003	0.0079	0.029	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.063	< 0.672	< 0.0025	< 0.002
	4/26/2023	1.7	38	190	0.48	8.82	200	760	< 0.0030	0.0075	0.029	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.062	< 0.554	< 0.0025	< 0.0020
	7/26/2023	2.0	44	190	0.49	8.83	250	730	< 0.0030	0.0086	0.036	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.073	< 0.714	< 0.0025	< 0.0020
	10/24/2023	2.3	41	200	0.54	8.68	230	780	< 0.0030	0.0096	B 0.034	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.072	< 0.588	< 0.0025	< 0.0020
	2/7/2024	2.3	39	190	0.60	8.89	230	730	^1+ < 0.030	0.0085	0.036	^1+ < 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	0.00065	0.070	< 0.58	< 0.0025	< 0.0020
	5/8/2024	1.8	41	180	0.52	9.33	F1 230	720	< 0.030	0.0076	0.032	< 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^+ < 0.010	< 0.00020	0.062	< 0.653	< 0.0025	< 0.0020
MW-13 down gradient	5/4/2021	1.7	150	210	0.29	7.54	280	1100	< 0.003	0.0011	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	0.00054	0.013	< 0.0002	0.025	1.02	0.0032	< 0.002
	5/26/2021	1.8	150	220	0.32	7.47	280	1100	< 0.003	0.001	0.13	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	0.00052	< 0.01	< 0.0002	0.016	0.724	0.0025	< 0.002
	6/7/2021	2.2	180	250	0.33	7.19	270	1200	< 0.003	0.0021	0.13	< 0.001	< 0.0005	< 0.005	0.0013	0.0014	< 0.01	< 0.0002	0.018	1.07	0.0027	< 0.002
	6/28/2021	0.68	110	160	0.37	7.56	120	840	^+ < 0.003	< 0.001	0.082	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.018	0.461	0.0072	< 0.002
	7/12/2021	1.6	150	240	0.33	7.17	220	1200	< 0.003	0.0015	0.13	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.014	1.08	0.009	< 0.002
	8/2/2021	1.6	170	240	0.32	7.10	240	1200	< 0.003	0.0019	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	0.00055	< 0.01	< 0.0002	0.013	0.523	0.0061	< 0.002
	8/26/2021	2.0	180	260	0.34	7.49	250	980	< 0.003	0.0051	0.16	< 0.001	< 0.0005	0.0072	0.0035	0.0047	0.012	< 0.0002	0.015	< 0.744	< 0.0025	< 0.002
	11/23/2021	1.8	170	230	0.33	7.03	300	1200	< 0.003	0.0011	0.11	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.012	1.49	0.0082	< 0.002
	2/23/2022	0.3	75	95	0.34	7.25	66	590	< 0.003	< 0.001	0.054	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0066	< 0.0002	0.0089	< 0.613	0.0054	< 0.002
	6/14/2022	2.1	500	^+ 200	0.37	6.68	210	940	< 0.003	0.046	0.43	< 0.005	0.0022	0.077	0.041	0.063	< 0.05	< 0.0002	0.026	1.59	0.0097	< 0.002
	8/23/2022	1.2	120	180	0.39	6.92	210	1100	< 0.003	0.0012	0.11	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	0.0014	0.01	< 0.0002	0.013	< 0.954	0.0099	< 0.002
	11/16/2022	1.6	140	160	0.46	7.10	400	920	< 0.003	0.0015	0.1	^+ < 0.001	< 0.0005	< 0.005	0.0011	0.0013	< 0.01	< 0.0002	0.017	< 1.7	0.0054	< 0.002
	2/21/2023	0.7	110	150	0.32	7.23	120	740	< 0.003	0.0013	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	0.0011	< 0.01	< 0.0002	0.014	< 1	0.011	< 0.002
	4/25/2023	1.1	120	180	0.35	6.96	200	930	< 0.0030	0.0016	0.11	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.0010	< 0.010	< 0.00020	0.015	< 0.721	0.013	< 0.0020
	7/25/2023	1.6	140	170	0.35	7.02	240	960	< 0.0030	< 0.0010	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00060	< 0.010	< 0.00020	0.014	< 1.07	0.0088	< 0.0020
	10/19/2023	1.2	120	150	0.39	7.01	130	860	< 0.0030	0.0014	0.12	< 0.0010	< 0.00050	< 0.0050	0.0010	0.00110	< 0.010	< 0.00020	0.018	0.891	0.0046	< 0.0020
	2/5/2024	1.1	200	600	0.28	7.06	180	1600	^1+ < 0.0030	0.0013	0.23	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.011	< 0.626	0.014	< 0.0020
	5/7/2024	2.7	200	F1 240	0.32	7.43	470	1500	< 0.0030	< 0.0010	0.16	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.014	< 0.00020	0.015	< 0.899	0.011	< 0.0020

Notes: All units are in mg/l except pH is in standard units and radium is in pCi/L.
B - Compound was found in the blank and sample.
R - Resample
F1 - MS and/or MSD Recovery outside of limits.
F2 - MS/MSD RPD exceeds control limits
^1+ or ^+ - Initial or Continuing Calibration Verification limits is outside acceptable limits, high biased.

Table 2A. Groundwater Turbidity - Pond 1N, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-01	2/23/2021	0.64
	4/10/2021	5.81
	4/25/2021	7.69
	5/3/2021	1.74
	5/24/2021	1.83
	6/7/2021	2.32
	6/25/2021	3.50
	7/12/2021	4.18
	8/2/2021	2.87
	8/23/2021	1.17
	9/24/2021	3.25
	11/19/2021	16.82
	2/21/2022	3.04
	6/15/2022	10.56
	8/24/2022	15.3
	11/15/2022	19.8
	2/22/2023	19.12
	4/27/2023	4.40
	7/27/2023	7.20
	10/23/2023	4.10
	2/6/2024	12.10
	5/7/2024	23.76
MW-02	2/25/2021	8.84
	4/10/2021	9.17
	4/25/2021	12.03
	5/3/2021	2.42
	5/24/2021	2.7
	6/7/2021	1.82
	6/28/2021	3.15
	7/12/2021	4.23
	8/2/2021	3.11
	8/23/2021	1.37
	9/24/2021	4.63
	11/19/2021	2.1
	2/21/2022	0.45
	6/15/2022	2.69
	8/24/2022	8.71
	11/15/2022	8.21
	2/22/2023	6.07
	4/27/2023	2.90
	7/27/2023	7.40
	10/23/2023	7.00
	2/6/2024	12.70
	5/7/2024	11.18
MW-07	3/1/2021	6.11
	4/10/2021	6.19
	4/25/2021	6.98
	5/4/2021	37.65
	5/24/2021	2.54
	6/7/2021	6.21
	6/25/2021	6.02
	7/12/2021	5.13
	8/2/2021	2.45
	8/25/2021	7.7
	9/24/2021	4.13
	11/19/2021	7.35
	2/22/2022	-0.02
	6/15/2022	5.58
	8/25/2022	2.27
	11/15/2022	41.3
	2/22/2023	13.55
	4/27/2023	8.90
	7/27/2023	1.00
	10/23/2023	8.10
	2/7/2024	0.41
	5/8/2024	17.65
MW-14	5/4/2021	6.88
	5/25/2021	3.5
	6/7/2021	2.55
	6/28/2021	7.44
	7/12/2021	4.89
	8/2/2021	9.8
	8/25/2021	11.7
	9/24/2021	6.87
	11/19/2021	5.19
	2/23/2022	45.11
	6/14/2022	3.98
	8/23/2022	2.71
	11/17/2022	2.8
	2/21/2023	6.71
	4/25/2023	5.0
	7/25/2023	3.7
	10/19/2023	1.7
	2/5/2024	2.6
	5/7/2024	7.12

Table 2A. Groundwater Turbidity - Pond 1N, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

MW-15	5/4/2021	28.65
	5/25/2021	8.89
	6/7/2021	8.82
	6/28/2021	6.48
	7/12/2021	8.52
	8/2/2021	22.71
	8/25/2021	12.4
	9/24/2021	11.44
	11/19/2021	10.83
	2/22/2022	17.05
	6/14/2022	11.83
	8/23/2022	33.2
	11/17/2022	148.2
	2/21/2023	41.83
	4/25/2023	11.2
	7/25/2023	35.6
	10/19/2023	55.2
	2/6/2024	20.5
	5/7/2024	89.52

Table 2B. Groundwater Turbidity - Pond 1S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-03	3/1/2021	0.0
	4/10/2021	1.45
	4/25/2021	3.41
	5/3/2021	1.61
	5/24/2021	2.06
	6/8/2021	2.34
	6/28/2021	2.69
	7/12/2021	4.07
	8/2/2021	1.98
	8/24/2021	5.1
	9/24/2021	4.18
	11/19/2021	0.47
	2/24/2022	-1.1
	6/16/2022	1.7
	8/24/2022	6.4
	11/15/2022	9.7
	2/22/2023	6.9
	4/27/2023	2.00
	7/27/2023	7.20
	10/23/2023	0.50
	2/6/2024	0.20
	5/7/2024	8.73
MW-04	2/22/2021	9.87
	4/10/2021	42.2
	4/25/2021	7.41
	5/3/2021	4.2
	5/24/2021	4.45
	6/8/2021	2.8
	6/28/2021	12.93
	7/12/2021	3.93
	8/2/2021	3.75
	8/24/2021	10.1
	9/24/2021	5.74
	11/19/2021	15.15
	2/24/2022	2.04
	6/16/2022	3.13
	8/24/2022	4.7
	11/15/2022	14.2
	2/22/2023	20.1
	4/27/2023	8.40
	7/27/2023	6.00
	10/23/2023	3.5
	2/6/2024	16.3
	5/8/2024	10.72
MW-08	3/1/2021	2.3
	4/10/2021	270.98
	4/25/2021	26.73
	5/4/2021	6.6
	5/28/2021	6.51
	6/7/2021	4.58
	6/28/2021	5.67
	7/12/2021	6.71
	8/2/2021	14.15
	8/25/2021	8.9
	9/24/2021	7.21
	11/19/2021	2.34
	2/24/2022	40.05
	6/15/2022	5.01
	8/25/2022	9.02
	11/17/2022	13.9
	2/23/2023	43.13
	4/27/2023	29.20
	7/26/2023	16.90
	10/24/2023	11.30
	2/7/2024	39.80
	5/8/2024	51.31
MW-09	3/1/2021	0.86
	4/10/2021	6.91
	4/25/2021	2.08
	5/25/2021	14.12
	6/11/2021	2.39
	6/29/2021	2.97
	7/12/2021	3.94
	8/4/2021	0.0
	8/25/2021	19.9
	9/24/2021	3.67
	11/23/2021	19.07
	2/22/2022	0.59
	6/15/2022	113.77
	8/25/2022	1.93
	11/16/2022	11.73
	2/23/2023	10.34
	4/26/2023	2.90
	7/26/2023	6.50
	10/24/2023	9.50
	2/7/2024	9.30
	5/8/2024	8.90
MW-13	5/4/2021	20.6
	5/25/2021	9.8
	6/7/2021	6.49
	6/28/2021	8.25
	7/12/2021	5.89
	8/2/2021	2.91
	8/26/2021	12.9
	9/24/2021	9.13
	11/23/2021	17.83
	2/23/2022	34.33
	6/14/2022	81.91
	8/23/2022	47.3
	11/16/2022	77.2
	2/21/2023	41.7
	4/25/2023	41.90
	7/25/2023	16.70
	10/19/2023	47.10
	2/5/2024	22.00
	2/5/2024	12.61

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

ANALYTICAL REPORT

PREPARED FOR

Attn: James Thorne
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Generated 5/31/2024 8:33:17 AM

JOB DESCRIPTION

Will County CCR

JOB NUMBER

500-250105-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Job Notes

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Authorization

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5/31/2024 8:33:17 AM

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

Table of Contents

Job ID: 500-250105-1 — Eurofins Chicago

Job Narrative
500-250105-1

Receipt
The samples were received on 5/7/2024 2:55 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6º C, 1.7º C, 1.8º C and 2.0º C.

Metals
Method 6020B: The continuing calibration verification (CCV) associated with batch 500-769045 recovered above the upper control limit for Lithium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

General Chemistry
Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-767769 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Methods 9038, SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-767900 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-768618 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-250105-1	MW-01	Water	05/07/24 07:52	05/07/24 14:55
500-250105-2	MW-02	Water	05/07/24 11:12	05/07/24 14:55
500-250105-3	MW-03	Water	05/07/24 12:57	05/07/24 14:55
500-250105-4	MW-13	Water	05/07/24 14:55	05/07/24 14:55
500-250105-5	MW-14	Water	05/07/24 10:32	05/07/24 14:55
500-250105-6	MW-15	Water	05/07/24 08:33	05/07/24 14:55
500-250105-7	1N/1S Duplciate	Water	05/07/24 00:00	05/07/24 14:55
500-250105-8	MW-04	Water	05/08/24 08:52	05/09/24 08:05
500-250105-9	MW-07	Water	05/08/24 13:50	05/09/24 08:05
500-250105-10	MW-08	Water	05/08/24 14:46	05/09/24 08:05
500-250105-11	MW-09	Water	05/08/24 15:57	05/09/24 08:05

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-01

Date Collected: 05/07/24 07:52
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:22	1
Boron	**2.7**		0.050		mg/L		05/16/24 09:39	05/22/24 13:38	1
Barium	**0.063**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:22	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:22	1
Calcium	**100**		0.20		mg/L		05/16/24 09:39	05/22/24 13:38	1
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:22	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:22	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:22	1
Molybdenum	**0.058**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:22	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:22	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:22	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:22	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:22	1
Lithium	**0.025**		0.010		mg/L		05/16/24 09:39	05/21/24 13:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**980**		10		mg/L			05/08/24 05:55	1
Chloride (SM 4500 Cl- E)	**78**		4.0		mg/L			05/13/24 17:12	2
Fluoride (SM 4500 F C)	**0.75**		0.10		mg/L			05/28/24 21:50	1
Sulfate (SM 4500 SO4 E)	**400**		50		mg/L			05/14/24 15:42	10

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-02

Date Collected: 05/07/24 11:12
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0084**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:37	1
Boron	**5.0**		0.25		mg/L		05/16/24 09:39	05/22/24 13:53	5
Barium	**0.052**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:37	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:37	1
Calcium	**81**		1.0		mg/L		05/16/24 09:39	05/22/24 13:53	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:37	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:37	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:37	1
Molybdenum	**0.064**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:37	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:37	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:37	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:37	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:37	1
Lithium	**0.047**		0.010		mg/L		05/16/24 09:39	05/21/24 13:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**910**		10		mg/L			05/08/24 05:57	1
Chloride (SM 4500 Cl- E)	**36**		2.0		mg/L			05/13/24 16:45	1
Fluoride (SM 4500 F C)	**0.36**		0.10		mg/L			05/28/24 21:55	1
Sulfate (SM 4500 SO4 E)	**370**		50		mg/L			05/19/24 13:31	10

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-03

Date Collected: 05/07/24 12:57
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:39	1
Boron	**4.2**		0.25		mg/L		05/16/24 09:39	05/22/24 13:55	5
Barium	**0.086**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:39	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:39	1
Calcium	**120**		1.0		mg/L		05/16/24 09:39	05/22/24 13:55	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:39	1
Cobalt	**0.0011**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:39	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:39	1
Molybdenum	**0.028**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:39	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:39	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:39	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:39	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:39	1
Lithium	**0.044**		0.010		mg/L		05/16/24 09:39	05/21/24 13:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**870**		10		mg/L			05/08/24 06:00	1
Chloride (SM 4500 Cl- E)	**15**		2.0		mg/L			05/13/24 16:33	1
Fluoride (SM 4500 F C)	**0.31**		0.10		mg/L			05/28/24 22:00	1
Sulfate (SM 4500 SO4 E)	**320**		50		mg/L			05/19/24 13:40	10

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-13

Date Collected: 05/07/24 14:55
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:41	1
Boron	**2.7**		0.25		mg/L		05/16/24 09:39	05/22/24 13:57	5
Barium	**0.16**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:41	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:41	1
Calcium	**200**		1.0		mg/L		05/16/24 09:39	05/22/24 13:57	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:41	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:41	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:41	1
Molybdenum	**0.015**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:41	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:41	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:41	1
Selenium	**0.011**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:41	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:41	1
Lithium	**0.014**		0.010		mg/L		05/16/24 09:39	05/21/24 13:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1500**		10		mg/L			05/08/24 06:02	1
Chloride (SM 4500 Cl- E)	**240**	**F1**	10		mg/L			05/13/24 15:44	5
Fluoride (SM 4500 F C)	**0.32**		0.10		mg/L			05/28/24 22:14	1
Sulfate (SM 4500 SO4 E)	**470**		50		mg/L			05/14/24 15:41	10

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-14

Date Collected: 05/07/24 10:32
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0019**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:43	1
Boron	**3.7**		0.25		mg/L		05/16/24 09:39	05/22/24 13:59	5
Barium	**0.079**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:43	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:43	1
Calcium	**110**		1.0		mg/L		05/16/24 09:39	05/22/24 13:59	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:43	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:43	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:43	1
Molybdenum	**0.058**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:43	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:43	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:43	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:43	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:43	1
Lithium	**0.032**		0.010		mg/L		05/16/24 09:39	05/21/24 13:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		10		mg/L			05/08/24 06:05	1
Chloride (SM 4500 Cl- E)	**100**		10		mg/L			05/13/24 17:12	5
Fluoride (SM 4500 F C)	**0.57**		0.10		mg/L			05/28/24 22:19	1
Sulfate (SM 4500 SO4 E)	**460**		50		mg/L			05/14/24 15:43	10

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-15

Date Collected: 05/07/24 08:33
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0060**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:45	1
Boron	**3.1**		0.25		mg/L		05/16/24 09:39	05/22/24 14:01	5
Barium	**0.12**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:45	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:45	1
Calcium	**230**		1.0		mg/L		05/16/24 09:39	05/22/24 14:01	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:45	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:45	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:45	1
Molybdenum	**0.015**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:45	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:45	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:45	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:45	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:45	1
Lithium	**0.030**		0.010		mg/L		05/16/24 09:39	05/21/24 13:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1500**		10		mg/L			05/08/24 06:07	1
Chloride (SM 4500 Cl- E)	**49**		4.0		mg/L			05/13/24 17:12	2
Fluoride (SM 4500 F C)	**0.31**		0.10		mg/L			05/28/24 22:24	1
Sulfate (SM 4500 SO4 E)	**570**		100		mg/L			05/19/24 13:41	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: 1N/1S Duplciate

Date Collected: 05/07/24 00:00
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0019**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:48	1
Boron	**3.7**		0.25		mg/L		05/16/24 09:39	05/22/24 14:03	5
Barium	**0.079**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:48	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:48	1
Calcium	**110**		1.0		mg/L		05/16/24 09:39	05/22/24 14:03	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:48	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:48	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:48	1
Molybdenum	**0.059**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:48	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:48	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:48	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:48	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:48	1
Lithium	**0.032**		0.010		mg/L		05/16/24 09:39	05/21/24 13:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1000**		10		mg/L			05/08/24 06:10	1
Chloride (SM 4500 Cl- E)	**100**		10		mg/L			05/13/24 15:43	5
Fluoride (SM 4500 F C)	**0.57**		0.10		mg/L			05/28/24 22:29	1
Sulfate (SM 4500 SO4 E)	**450**	**F1**	50		mg/L			05/14/24 15:44	10

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-04

Date Collected: 05/08/24 08:52
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0011**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:50	1
Boron	**4.1**		0.25		mg/L		05/16/24 09:39	05/22/24 14:05	5
Barium	**0.048**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:50	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:50	1
Calcium	**320**		1.0		mg/L		05/16/24 09:39	05/22/24 14:05	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:50	1
Cobalt	**0.0011**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:50	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:50	1
Molybdenum	**0.022**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:50	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:50	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:50	1
Selenium	**0.014**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:50	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:50	1
Lithium	**0.023**		0.010		mg/L		05/16/24 09:39	05/21/24 13:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1800**		10		mg/L			05/14/24 00:47	1
Chloride (SM 4500 Cl- E)	**25**		2.0		mg/L			05/13/24 15:15	1
Fluoride (SM 4500 F C)	**0.37**		0.10		mg/L			05/29/24 00:56	1
Sulfate (SM 4500 SO4 E)	**750**		100		mg/L			05/19/24 13:41	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-07

Date Collected: 05/08/24 13:50
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:52	1
Boron	**2.8**		0.25		mg/L		05/16/24 09:39	05/22/24 14:12	5
Barium	**0.084**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:52	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:52	1
Calcium	**210**		1.0		mg/L		05/16/24 09:39	05/22/24 14:12	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:52	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:52	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:52	1
Molybdenum	**0.018**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:52	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:52	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:52	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:52	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:52	1
Lithium	**0.028**		0.010		mg/L		05/16/24 09:39	05/21/24 13:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1300**		10		mg/L			05/14/24 00:50	1
Chloride (SM 4500 Cl- E)	**100**		10		mg/L			05/13/24 15:41	5
Fluoride (SM 4500 F C)	**0.35**		0.10		mg/L			05/29/24 01:00	1
Sulfate (SM 4500 SO4 E)	**390**		50		mg/L			05/19/24 13:32	10

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-08

Date Collected: 05/08/24 14:46
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0029**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:54	1
Boron	**1.7**		0.25		mg/L		05/16/24 09:39	05/22/24 14:14	5
Barium	**0.067**		0.0025		mg/L		05/16/24 09:39	05/21/24 13:54	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:54	1
Calcium	**140**		1.0		mg/L		05/16/24 09:39	05/22/24 14:14	5
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:54	1
Cobalt	**0.0015**		0.0010		mg/L		05/16/24 09:39	05/21/24 13:54	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:54	1
Molybdenum	**0.017**		0.0050		mg/L		05/16/24 09:39	05/21/24 13:54	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:54	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:54	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:54	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:54	1
Lithium	<0.010		0.010		mg/L		05/16/24 09:39	05/21/24 13:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		10		mg/L			05/14/24 00:52	1
Chloride (SM 4500 Cl- E)	**220**		10		mg/L			05/13/24 15:40	5
Fluoride (SM 4500 F C)	**0.53**		0.10		mg/L			05/29/24 01:15	1
Sulfate (SM 4500 SO4 E)	**210**		25		mg/L			05/19/24 13:33	5

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-09

Date Collected: 05/08/24 15:57
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0076**		0.0010		mg/L		05/16/24 09:39	05/21/24 14:00	1
Boron	**1.8**		0.050		mg/L		05/16/24 09:39	05/22/24 14:16	1
Barium	**0.032**		0.0025		mg/L		05/16/24 09:39	05/21/24 14:00	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 14:00	1
Calcium	**41**		0.20		mg/L		05/16/24 09:39	05/22/24 14:16	1
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 14:00	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 14:00	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 14:00	1
Molybdenum	**0.062**		0.0050		mg/L		05/16/24 09:39	05/21/24 14:00	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 14:00	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 14:00	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 14:00	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 14:00	1
Lithium	<0.010	^+	0.010		mg/L		05/16/24 09:39	05/21/24 14:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**720**		10		mg/L			05/14/24 00:55	1
Chloride (SM 4500 Cl- E)	**180**		10		mg/L			05/13/24 15:41	5
Fluoride (SM 4500 F C)	**0.52**		0.10		mg/L			05/29/24 01:20	1
Sulfate (SM 4500 SO4 E)	**230**	**F1**	25		mg/L			05/19/24 13:36	5

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: 768239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total Recoverable	Water	3005A	
500-250105-2	MW-02	Total Recoverable	Water	3005A	
500-250105-3	MW-03	Total Recoverable	Water	3005A	
500-250105-4	MW-13	Total Recoverable	Water	3005A	
500-250105-5	MW-14	Total Recoverable	Water	3005A	
500-250105-6	MW-15	Total Recoverable	Water	3005A	
500-250105-7	1N/1S Duplciate	Total Recoverable	Water	3005A	
500-250105-8	MW-04	Total Recoverable	Water	3005A	
500-250105-9	MW-07	Total Recoverable	Water	3005A	
500-250105-10	MW-08	Total Recoverable	Water	3005A	
500-250105-11	MW-09	Total Recoverable	Water	3005A	
MB 500-768239/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-768239/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-250105-1 MS	MW-01	Total Recoverable	Water	3005A	
500-250105-1 MSD	MW-01	Total Recoverable	Water	3005A	
500-250105-1 DU	MW-01	Total Recoverable	Water	3005A	

Analysis Batch: 769045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total Recoverable	Water	6020B	768239
500-250105-2	MW-02	Total Recoverable	Water	6020B	768239
500-250105-3	MW-03	Total Recoverable	Water	6020B	768239
500-250105-4	MW-13	Total Recoverable	Water	6020B	768239
500-250105-5	MW-14	Total Recoverable	Water	6020B	768239
500-250105-6	MW-15	Total Recoverable	Water	6020B	768239
500-250105-7	1N/1S Duplciate	Total Recoverable	Water	6020B	768239
500-250105-8	MW-04	Total Recoverable	Water	6020B	768239
500-250105-9	MW-07	Total Recoverable	Water	6020B	768239
500-250105-10	MW-08	Total Recoverable	Water	6020B	768239
500-250105-11	MW-09	Total Recoverable	Water	6020B	768239
MB 500-768239/1-A	Method Blank	Total Recoverable	Water	6020B	768239
LCS 500-768239/2-A	Lab Control Sample	Total Recoverable	Water	6020B	768239
500-250105-1 MS	MW-01	Total Recoverable	Water	6020B	768239
500-250105-1 MSD	MW-01	Total Recoverable	Water	6020B	768239
500-250105-1 DU	MW-01	Total Recoverable	Water	6020B	768239

Analysis Batch: 769274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total Recoverable	Water	6020B	768239
500-250105-2	MW-02	Total Recoverable	Water	6020B	768239
500-250105-3	MW-03	Total Recoverable	Water	6020B	768239
500-250105-4	MW-13	Total Recoverable	Water	6020B	768239
500-250105-5	MW-14	Total Recoverable	Water	6020B	768239
500-250105-6	MW-15	Total Recoverable	Water	6020B	768239
500-250105-7	1N/1S Duplciate	Total Recoverable	Water	6020B	768239
500-250105-8	MW-04	Total Recoverable	Water	6020B	768239
500-250105-9	MW-07	Total Recoverable	Water	6020B	768239
500-250105-10	MW-08	Total Recoverable	Water	6020B	768239
500-250105-11	MW-09	Total Recoverable	Water	6020B	768239
MB 500-768239/1-A	Method Blank	Total Recoverable	Water	6020B	768239
LCS 500-768239/2-A	Lab Control Sample	Total Recoverable	Water	6020B	768239

Metals (Continued)

Analysis Batch: 769274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1 MS	MW-01	Total Recoverable	Water	6020B	768239
500-250105-1 MSD	MW-01	Total Recoverable	Water	6020B	768239
500-250105-1 DU	MW-01	Total Recoverable	Water	6020B	768239

Prep Batch: 769316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total/NA	Water	7470A	
500-250105-2	MW-02	Total/NA	Water	7470A	
500-250105-3	MW-03	Total/NA	Water	7470A	
500-250105-4	MW-13	Total/NA	Water	7470A	
500-250105-5	MW-14	Total/NA	Water	7470A	
500-250105-6	MW-15	Total/NA	Water	7470A	
500-250105-7	1N/1S Duplciate	Total/NA	Water	7470A	
500-250105-8	MW-04	Total/NA	Water	7470A	
500-250105-9	MW-07	Total/NA	Water	7470A	
500-250105-10	MW-08	Total/NA	Water	7470A	
500-250105-11	MW-09	Total/NA	Water	7470A	
MB 500-769316/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-769316/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-250105-7 MS	1N/1S Duplciate	Total/NA	Water	7470A	
500-250105-7 MSD	1N/1S Duplciate	Total/NA	Water	7470A	
500-250105-7 DU	1N/1S Duplciate	Total/NA	Water	7470A	

Analysis Batch: 769360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-768239/2-A	Lab Control Sample	Total Recoverable	Water	6020B	768239

Analysis Batch: 769549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total/NA	Water	7470A	769316
500-250105-2	MW-02	Total/NA	Water	7470A	769316
500-250105-3	MW-03	Total/NA	Water	7470A	769316
500-250105-4	MW-13	Total/NA	Water	7470A	769316
500-250105-5	MW-14	Total/NA	Water	7470A	769316
500-250105-6	MW-15	Total/NA	Water	7470A	769316
500-250105-7	1N/1S Duplciate	Total/NA	Water	7470A	769316
500-250105-8	MW-04	Total/NA	Water	7470A	769316
500-250105-9	MW-07	Total/NA	Water	7470A	769316
500-250105-10	MW-08	Total/NA	Water	7470A	769316
500-250105-11	MW-09	Total/NA	Water	7470A	769316
MB 500-769316/12-A	Method Blank	Total/NA	Water	7470A	769316
LCS 500-769316/13-A	Lab Control Sample	Total/NA	Water	7470A	769316
500-250105-7 MS	1N/1S Duplciate	Total/NA	Water	7470A	769316
500-250105-7 MSD	1N/1S Duplciate	Total/NA	Water	7470A	769316
500-250105-7 DU	1N/1S Duplciate	Total/NA	Water	7470A	769316

General Chemistry

Analysis Batch: 766884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 766884 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-2	MW-02	Total/NA	Water	SM 2540C	
500-250105-3	MW-03	Total/NA	Water	SM 2540C	
500-250105-4	MW-13	Total/NA	Water	SM 2540C	
500-250105-5	MW-14	Total/NA	Water	SM 2540C	
500-250105-6	MW-15	Total/NA	Water	SM 2540C	
500-250105-7	1N/1S Duplciate	Total/NA	Water	SM 2540C	
MB 500-766884/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-766884/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 767735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-8	MW-04	Total/NA	Water	SM 2540C	
500-250105-9	MW-07	Total/NA	Water	SM 2540C	
500-250105-10	MW-08	Total/NA	Water	SM 2540C	
500-250105-11	MW-09	Total/NA	Water	SM 2540C	
MB 500-767735/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-767735/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 767769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-250105-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-250105-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-250105-4	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-250105-5	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-250105-6	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-250105-7	1N/1S Duplciate	Total/NA	Water	SM 4500 Cl- E	
500-250105-8	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-250105-9	MW-07	Total/NA	Water	SM 4500 Cl- E	
500-250105-10	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-250105-11	MW-09	Total/NA	Water	SM 4500 Cl- E	
MB 500-767769/106	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-767769/151	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-767769/107	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-767769/152	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-250105-4 MS	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-250105-4 MSD	MW-13	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 767900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-250105-4	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-250105-5	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-250105-7	1N/1S Duplciate	Total/NA	Water	SM 4500 SO4 E	
MB 500-767900/121	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-767900/122	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-250105-7 MS	1N/1S Duplciate	Total/NA	Water	SM 4500 SO4 E	
500-250105-7 MSD	1N/1S Duplciate	Total/NA	Water	SM 4500 SO4 E	

General Chemistry

Analysis Batch: 768618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-250105-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-250105-6	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-250105-8	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-250105-9	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-250105-10	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-250105-11	MW-09	Total/NA	Water	SM 4500 SO4 E	
MB 500-768618/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-768618/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-250105-11 MS	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-250105-11 MSD	MW-09	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 769992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-769992/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-769992/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 769993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total/NA	Water	SM 4500 F C	
500-250105-2	MW-02	Total/NA	Water	SM 4500 F C	
500-250105-3	MW-03	Total/NA	Water	SM 4500 F C	
500-250105-4	MW-13	Total/NA	Water	SM 4500 F C	
500-250105-5	MW-14	Total/NA	Water	SM 4500 F C	
500-250105-6	MW-15	Total/NA	Water	SM 4500 F C	
500-250105-7	1N/1S Duplciate	Total/NA	Water	SM 4500 F C	
500-250105-8	MW-04	Total/NA	Water	SM 4500 F C	
500-250105-9	MW-07	Total/NA	Water	SM 4500 F C	
500-250105-10	MW-08	Total/NA	Water	SM 4500 F C	
500-250105-11	MW-09	Total/NA	Water	SM 4500 F C	
MB 500-769993/23	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-769993/24	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-768239/1-A
Matrix: Water
Analysis Batch: 769045

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:18	1
Barium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:18	1
Beryllium	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:18	1
Cadmium	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:18	1
Cobalt	<0.0010		0.0010		mg/L		05/16/24 09:39	05/21/24 13:18	1
Chromium	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:18	1
Molybdenum	<0.0050		0.0050		mg/L		05/16/24 09:39	05/21/24 13:18	1
Lead	<0.00050		0.00050		mg/L		05/16/24 09:39	05/21/24 13:18	1
Antimony	<0.0030		0.0030		mg/L		05/16/24 09:39	05/21/24 13:18	1
Selenium	<0.0025		0.0025		mg/L		05/16/24 09:39	05/21/24 13:18	1
Thallium	<0.0020		0.0020		mg/L		05/16/24 09:39	05/21/24 13:18	1
Lithium	<0.010		0.010		mg/L		05/16/24 09:39	05/21/24 13:18	1

Lab Sample ID: MB 500-768239/1-A
Matrix: Water
Analysis Batch: 769274

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		05/16/24 09:39	05/22/24 13:34	1
Calcium	<0.20		0.20		mg/L		05/16/24 09:39	05/22/24 13:34	1

Lab Sample ID: LCS 500-768239/2-A
Matrix: Water
Analysis Batch: 769045

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0978		mg/L		98	80 - 120
Barium	0.500	0.477		mg/L		95	80 - 120
Beryllium	0.0500	0.0523		mg/L		105	80 - 120
Cadmium	0.0500	0.0482		mg/L		96	80 - 120
Cobalt	0.500	0.534		mg/L		107	80 - 120
Chromium	0.200	0.211		mg/L		106	80 - 120
Molybdenum	1.00	0.935		mg/L		94	80 - 120
Lead	0.100	0.0988		mg/L		99	80 - 120
Antimony	0.500	0.472		mg/L		94	80 - 120
Selenium	0.100	0.0921		mg/L		92	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120
Lithium	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: LCS 500-768239/2-A
Matrix: Water
Analysis Batch: 769274

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.03		mg/L		103	80 - 120

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

Lab Sample ID: LCS 500-768239/2-A
Matrix: Water
Analysis Batch: 769360

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.0	8.11		mg/L		81	80 - 120

Lab Sample ID: 500-250105-1 MS
Matrix: Water
Analysis Batch: 769045

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.0010		0.100	0.103		mg/L		102	75 - 125
Barium	0.063		0.500	0.564		mg/L		100	75 - 125
Beryllium	<0.0010		0.0500	0.0541		mg/L		108	75 - 125
Cadmium	<0.00050		0.0500	0.0497		mg/L		99	75 - 125
Cobalt	<0.0010		0.500	0.551		mg/L		110	75 - 125
Chromium	<0.0050		0.200	0.219		mg/L		109	75 - 125
Molybdenum	0.058		1.00	1.06		mg/L		100	75 - 125
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125
Antimony	<0.0030		0.500	0.500		mg/L		100	75 - 125
Selenium	<0.0025		0.100	0.101		mg/L		100	75 - 125
Thallium	<0.0020		0.100	0.109		mg/L		109	75 - 125
Lithium	0.025		0.100	0.135		mg/L		109	75 - 125

Lab Sample ID: 500-250105-1 MS
Matrix: Water
Analysis Batch: 769274

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2.7		1.00	3.79		mg/L		114	75 - 125
Calcium	100		10.0	114	4	mg/L		103	75 - 125

Lab Sample ID: 500-250105-1 MSD
Matrix: Water
Analysis Batch: 769045

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.0010		0.100	0.104		mg/L		103	75 - 125	1	20
Barium	0.063		0.500	0.566		mg/L		101	75 - 125	0	20
Beryllium	<0.0010		0.0500	0.0537		mg/L		107	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0502		mg/L		100	75 - 125	1	20
Cobalt	<0.0010		0.500	0.554		mg/L		111	75 - 125	0	20
Chromium	<0.0050		0.200	0.220		mg/L		110	75 - 125	0	20
Molybdenum	0.058		1.00	1.07		mg/L		102	75 - 125	2	20
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125	1	20
Antimony	<0.0030		0.500	0.507		mg/L		101	75 - 125	2	20
Selenium	<0.0025		0.100	0.101		mg/L		99	75 - 125	1	20
Thallium	<0.0020		0.100	0.109		mg/L		109	75 - 125	0	20
Lithium	0.025		0.100	0.133		mg/L		108	75 - 125	1	20

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

Lab Sample ID: 500-250105-1 MSD
Matrix: Water
Analysis Batch: 769274

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	2.7		1.00	3.84		mg/L		119	75 - 125	1	20
Calcium	100		10.0	115	4	mg/L		112	75 - 125	1	20

Lab Sample ID: 500-250105-1 DU
Matrix: Water
Analysis Batch: 769045

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.063		0.0631		mg/L		1	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Molybdenum	0.058		0.0580		mg/L		0.4	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Antimony	<0.0030		<0.0030		mg/L		NC	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20
Lithium	0.025		0.0256		mg/L		1	20

Lab Sample ID: 500-250105-1 DU
Matrix: Water
Analysis Batch: 769274

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 768239

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	2.7		2.66		mg/L		0.5	20
Calcium	100		105		mg/L		1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-769316/12-A
Matrix: Water
Analysis Batch: 769549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 769316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/24 10:35	05/24/24 07:48	1

Lab Sample ID: LCS 500-769316/13-A
Matrix: Water
Analysis Batch: 769549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 769316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00179		mg/L		89	80 - 120

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

Lab Sample ID: 500-250105-7 MS
Matrix: Water
Analysis Batch: 769549

Client Sample ID: 1N/1S Duplciate
Prep Type: Total/NA
Prep Batch: 769316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000992		mg/L		99	75 - 125

Lab Sample ID: 500-250105-7 MSD
Matrix: Water
Analysis Batch: 769549

Client Sample ID: 1N/1S Duplciate
Prep Type: Total/NA
Prep Batch: 769316

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000986		mg/L		99	75 - 125	1	20

Lab Sample ID: 500-250105-7 DU
Matrix: Water
Analysis Batch: 769549

Client Sample ID: 1N/1S Duplciate
Prep Type: Total/NA
Prep Batch: 769316

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

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

Lab Sample ID: MB 500-766884/1
Matrix: Water
Analysis Batch: 766884

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			05/08/24 05:24	1

Lab Sample ID: LCS 500-766884/2
Matrix: Water
Analysis Batch: 766884

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	258		mg/L		103	80 - 120

Lab Sample ID: MB 500-767735/1
Matrix: Water
Analysis Batch: 767735

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			05/14/24 00:14	1

Lab Sample ID: LCS 500-767735/2
Matrix: Water
Analysis Batch: 767735

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	236		mg/L		94	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-767769/106
Matrix: Water
Analysis Batch: 767769

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			05/13/24 15:13	1

Lab Sample ID: MB 500-767769/151
Matrix: Water
Analysis Batch: 767769

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			05/13/24 16:33	1

Lab Sample ID: LCS 500-767769/107
Matrix: Water
Analysis Batch: 767769

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	21.9		mg/L		109	85 - 115		

Lab Sample ID: LCS 500-767769/152
Matrix: Water
Analysis Batch: 767769

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	19.1		mg/L		95	85 - 115		

Lab Sample ID: 500-250105-4 MS
Matrix: Water
Analysis Batch: 767769

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	240	F1	100	263	F1	mg/L		24	75 - 125		

Lab Sample ID: 500-250105-4 MSD
Matrix: Water
Analysis Batch: 767769

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	240	F1	100	262	F1	mg/L		24	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-769992/31
Matrix: Water
Analysis Batch: 769992

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			05/28/24 16:27	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-769992/32
Matrix: Water
Analysis Batch: 769992

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.73		mg/L		97	90 - 119

Lab Sample ID: MB 500-769993/23
Matrix: Water
Analysis Batch: 769993

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			05/28/24 22:56	1

Lab Sample ID: LCS 500-769993/24
Matrix: Water
Analysis Batch: 769993

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.89		mg/L		99	90 - 119

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-767900/121
Matrix: Water
Analysis Batch: 767900

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			05/14/24 15:23	1

Lab Sample ID: LCS 500-767900/122
Matrix: Water
Analysis Batch: 767900

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.6		mg/L		108	88 - 123

Lab Sample ID: 500-250105-7 MS
Matrix: Water
Analysis Batch: 767900

Client Sample ID: 1N/1S Duplciate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	450	F1	20.0	462	4	mg/L		46	75 - 125

Lab Sample ID: 500-250105-7 MSD
Matrix: Water
Analysis Batch: 767900

Client Sample ID: 1N/1S Duplciate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	450	F1	20.0	456	4	mg/L		19	75 - 125	1	20

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

Lab Sample ID: MB 500-768618/16
Matrix: Water
Analysis Batch: 768618

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			05/19/24 12:58	1

Lab Sample ID: LCS 500-768618/17
Matrix: Water
Analysis Batch: 768618

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	21.6		mg/L		108	88 - 123		

Lab Sample ID: 500-250105-11 MS
Matrix: Water
Analysis Batch: 768618

Client Sample ID: MW-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	230	F1	100	231	F1	mg/L		5	75 - 125		

Lab Sample ID: 500-250105-11 MSD
Matrix: Water
Analysis Batch: 768618

Client Sample ID: MW-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	230	F1	100	240	F1	mg/L		14	75 - 125	4	20

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN SOHL HOWIGSON	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-123088-45943 1
Client Contact: Patrick Allenstein	Phone: 630 290 6850	E-Mail: Diana Mockler@et eurofinsus com		Page: Page 1 of 1
Company: KPRG and Associates, Inc	PWSID:	Analysis F	500-250105 COC	Job #: 500-250105
Address: 14665 West Lisbon Road, Suite 1A	Due Date Requested:			
City: Brookfield	TAT Requested (days):			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4502116506			
Email: patricka@kprginc com	WO #:			
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring	Project #: 50011609			
Site: Illinois	SSOW#:			

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

	Sample Identification (CCR)	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, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
				Preservation Code:				D	D	N		
1	MW-01	5-7-24	07:52	G	Water	N	N	X	X	X	5	
2	MW-02	5-7-24	11:12	G	Water	N	N	X	X	X	5	
3	MW-03	5-7-24	12:57	G	Water	N	N	X	X	X	5	
	MW-04				Water						1	
	MW-07				Water						1	
	MW-08				Water						1	
	MW-09				Water						1	
4	MW-13	5-6-24	14:55	G	Water	N	N	X	X	X	5	
5	MW-14	5-7-24	10:32	G	Water	N	N	X	X	X	5	
6	MW-15	5-7-24	08:33	G	Water	N	N	X	X	X	5	
7	1N/1S Duplicate	5-7-24	—	G	Water	N	N	X	X	X	5	

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

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

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		5-7-24 1455	KPRG		5/7/24 1455	EEN
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 21+1.7, 15+1.6

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN SOHN HOWIESON	Lab PM: Mockler, Diana J	COC No: 500-123088-45943 1
Client Contact: Patrick Allenstein	Phone: 630 290 6850	E-Mail: Diana Mockler@et eurofinsus com	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:		Job #: 500-250105
Address: 14665 West Lisbon Road, Suite 1A	Due Date Requested:		
City: Brookfield	TAT Requested (days):		
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No		
Phone:	PO #: 4502116506		
Email: patricka@kprginc com	WO #:		
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring	Project #: 50011609		
Site: Illinois	SSOW#:		

500-250105 COC

Analysis R

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 (CCR)	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, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
	Preservation Code:							D	D	N		
	MW-01				Water							
	MW-02				Water							
	MW-03				Water							
8	MW-04	5-8-24	08:52	G	Water	N	N	X	X	X	5	
9	MW-07	5-8-24	13:50	G	Water	N	N	X	X	X	5	
10	MW-08	5-8-24	14:46	G	Water	N	N	X	X	X	5	
11	MW-09	5-8-24	15:57	G	Water	N	N	X	X	X	5	
	MW-13				Water							
	MW-14				Water							
	MW-15				Water							
	1N/1S Duplicate				Water							

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:
Relinquished by:	Date/Time: 5-9-24 08:05	Company: KPRG	Received by:	Date/Time: 05/09/24 0805	Company: EETA
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7+1.8, 1.9+2.0

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-250105-1

Login Number: 250105
List Number: 1
Creator: Hernandez, Stephanie

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	1.7,1.6,1.8,2.0
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: MW-01
Date Collected: 05/07/24 07:52
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:22
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769274	RN	EET CHI	05/22/24 13:38
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 08:55
Total/NA	Analysis	SM 2540C		1	766884	CLB	EET CHI	05/08/24 05:55
Total/NA	Analysis	SM 4500 Cl- E		2	767769	TR	EET CHI	05/13/24 17:12
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 21:50
Total/NA	Analysis	SM 4500 SO4 E		10	767900	TR	EET CHI	05/14/24 15:42

Client Sample ID: MW-02
Date Collected: 05/07/24 11:12
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:37
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 13:53
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 08:58
Total/NA	Analysis	SM 2540C		1	766884	CLB	EET CHI	05/08/24 05:57
Total/NA	Analysis	SM 4500 Cl- E		1	767769	TR	EET CHI	05/13/24 16:45
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 21:55
Total/NA	Analysis	SM 4500 SO4 E		10	768618	TR	EET CHI	05/19/24 13:31

Client Sample ID: MW-03
Date Collected: 05/07/24 12:57
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:39
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 13:55
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:00
Total/NA	Analysis	SM 2540C		1	766884	CLB	EET CHI	05/08/24 06:00
Total/NA	Analysis	SM 4500 Cl- E		1	767769	TR	EET CHI	05/13/24 16:33
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 22:00
Total/NA	Analysis	SM 4500 SO4 E		10	768618	TR	EET CHI	05/19/24 13:40

Client Sample ID: MW-13

Date Collected: 05/07/24 14:55
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:41
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 13:57
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:02
Total/NA	Analysis	SM 2540C		1	766884	CLB	EET CHI	05/08/24 06:02
Total/NA	Analysis	SM 4500 Cl- E		5	767769	TR	EET CHI	05/13/24 15:44
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 22:14
Total/NA	Analysis	SM 4500 SO4 E		10	767900	TR	EET CHI	05/14/24 15:41

Client Sample ID: MW-14

Date Collected: 05/07/24 10:32
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:43
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 13:59
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:04
Total/NA	Analysis	SM 2540C		1	766884	CLB	EET CHI	05/08/24 06:05
Total/NA	Analysis	SM 4500 Cl- E		5	767769	TR	EET CHI	05/13/24 17:12
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 22:19
Total/NA	Analysis	SM 4500 SO4 E		10	767900	TR	EET CHI	05/14/24 15:43

Client Sample ID: MW-15

Date Collected: 05/07/24 08:33
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:45
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 14:01
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:06
Total/NA	Analysis	SM 2540C		1	766884	CLB	EET CHI	05/08/24 06:07
Total/NA	Analysis	SM 4500 Cl- E		2	767769	TR	EET CHI	05/13/24 17:12
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 22:24
Total/NA	Analysis	SM 4500 SO4 E		20	768618	TR	EET CHI	05/19/24 13:41

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: 1N/1S Duplciate

Date Collected: 05/07/24 00:00
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:48
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 14:03
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:09
Total/NA	Analysis	SM 2540C		1	766884	CLB	EET CHI	05/08/24 06:10
Total/NA	Analysis	SM 4500 Cl- E		5	767769	TR	EET CHI	05/13/24 15:43
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 22:29
Total/NA	Analysis	SM 4500 SO4 E		10	767900	TR	EET CHI	05/14/24 15:44

Client Sample ID: MW-04

Date Collected: 05/08/24 08:52
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:50
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 14:05
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:22
Total/NA	Analysis	SM 2540C		1	767735	CLB	EET CHI	05/14/24 00:47
Total/NA	Analysis	SM 4500 Cl- E		1	767769	TR	EET CHI	05/13/24 15:15
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/29/24 00:56
Total/NA	Analysis	SM 4500 SO4 E		20	768618	TR	EET CHI	05/19/24 13:41

Client Sample ID: MW-07

Date Collected: 05/08/24 13:50
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:52
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 14:12
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:24
Total/NA	Analysis	SM 2540C		1	767735	CLB	EET CHI	05/14/24 00:50
Total/NA	Analysis	SM 4500 Cl- E		5	767769	TR	EET CHI	05/13/24 15:41
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/29/24 01:00
Total/NA	Analysis	SM 4500 SO4 E		10	768618	TR	EET CHI	05/19/24 13:32

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-250105-1

Client Sample ID: MW-08

Date Collected: 05/08/24 14:46
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 13:54
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		5	769274	RN	EET CHI	05/22/24 14:14
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:26
Total/NA	Analysis	SM 2540C		1	767735	CLB	EET CHI	05/14/24 00:52
Total/NA	Analysis	SM 4500 Cl- E		5	767769	TR	EET CHI	05/13/24 15:40
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/29/24 01:15
Total/NA	Analysis	SM 4500 SO4 E		5	768618	TR	EET CHI	05/19/24 13:33

Client Sample ID: MW-09

Date Collected: 05/08/24 15:57
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769045	RN	EET CHI	05/21/24 14:00
Total Recoverable	Prep	3005A			768239	BDE	EET CHI	05/16/24 09:39 - 05/16/24 15:39 [1]
Total Recoverable	Analysis	6020B		1	769274	RN	EET CHI	05/22/24 14:16
Total/NA	Prep	7470A			769316	MJG	EET CHI	05/23/24 10:35 - 05/23/24 12:35 [1]
Total/NA	Analysis	7470A		1	769549	MJG	EET CHI	05/24/24 09:29
Total/NA	Analysis	SM 2540C		1	767735	CLB	EET CHI	05/14/24 00:55
Total/NA	Analysis	SM 4500 Cl- E		5	767769	TR	EET CHI	05/13/24 15:41
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/29/24 01:20
Total/NA	Analysis	SM 4500 SO4 E		5	768618	TR	EET CHI	05/19/24 13:36

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

Laboratory References:

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

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

ANALYTICAL REPORT

PREPARED FOR

Attn: James Thorne
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Generated 6/7/2024 3:15:44 PM

JOB DESCRIPTION

Will County CCR (RAD)

JOB NUMBER

500-250105-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Job Notes

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

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

Authorization

Generated
6/7/2024 3:15:44 PM

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

Table of Contents

Job ID: 500-250105-2 — Eurofins Chicago

Job Narrative
500-250105-2

Receipt
The samples were received on 5/7/2024 2:55 PM and 5/9/2024 8:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6°C, 1.7°C, 1.8°C and 2.0°C.

Gas Flow Proportional Counter
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: Will County CCR (RAD)

Job ID: 500-250105-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-250105-1	MW-01	Water	05/07/24 07:52	05/07/24 14:55
500-250105-2	MW-02	Water	05/07/24 11:12	05/07/24 14:55
500-250105-3	MW-03	Water	05/07/24 12:57	05/07/24 14:55
500-250105-4	MW-13	Water	05/07/24 14:55	05/07/24 14:55
500-250105-5	MW-14	Water	05/07/24 10:32	05/07/24 14:55
500-250105-6	MW-15	Water	05/07/24 08:33	05/07/24 14:55
500-250105-7	1N/1S Duplciate	Water	05/07/24 00:00	05/07/24 14:55
500-250105-8	MW-04	Water	05/08/24 08:52	05/09/24 08:05
500-250105-9	MW-07	Water	05/08/24 13:50	05/09/24 08:05
500-250105-10	MW-08	Water	05/08/24 14:46	05/09/24 08:05
500-250105-11	MW-09	Water	05/08/24 15:57	05/09/24 08:05

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-01

Date Collected: 05/07/24 07:52
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.237		0.154	0.156	1.00	0.186	pCi/L	05/09/24 08:53	06/02/24 11:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*61.9*		*30 - 110*	*05/09/24 08:53*	*06/02/24 11:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.937		0.546	0.553	1.00	0.778	pCi/L	05/09/24 09:01	05/31/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*61.9*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:49*	*1*
Y Carrier	*78.5*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:49*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.17		0.567	0.575	5.00	0.778	pCi/L		06/06/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-02
Date Collected: 05/07/24 11:12
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.262**		0.144	0.145	1.00	0.167	pCi/L	05/09/24 08:53	06/02/24 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*05/09/24 08:53*	*06/02/24 11:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.521	U	0.366	0.369	1.00	0.544	pCi/L	05/09/24 09:01	05/31/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:49*	*1*
Y Carrier	*79.6*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:49*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.783**		0.393	0.396	5.00	0.544	pCi/L		06/07/24 14:38	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-03

Date Collected: 05/07/24 12:57
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.271**		0.152	0.154	1.00	0.194	pCi/L	05/09/24 08:53	06/02/24 11:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*05/09/24 08:53*	*06/02/24 11:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.397	U	0.370	0.372	1.00	0.588	pCi/L	05/09/24 09:01	05/31/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*
Y Carrier	*73.6*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.668**		0.400	0.403	5.00	0.588	pCi/L		06/07/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-13

Date Collected: 05/07/24 14:55
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.143	U	0.178	0.179	1.00	0.294	pCi/L	05/09/24 08:53	06/02/24 11:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*53.0*		*30 - 110*	*05/09/24 08:53*	*06/02/24 11:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.240	U	0.511	0.512	1.00	0.899	pCi/L	05/09/24 09:01	05/31/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*53.0*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*
Y Carrier	*78.5*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.383	U	0.541	0.542	5.00	0.899	pCi/L		06/07/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-14
Date Collected: 05/07/24 10:32
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.343**		0.169	0.172	1.00	0.202	pCi/L	05/09/24 08:53	06/02/24 11:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*05/09/24 08:53*	*06/02/24 11:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.342	U	0.387	0.388	1.00	0.632	pCi/L	05/09/24 09:01	05/31/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*
Y Carrier	*72.5*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.685**		0.422	0.424	5.00	0.632	pCi/L		06/07/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-15

Date Collected: 05/07/24 08:33
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.435**		0.252	0.255	1.00	0.338	pCi/L	05/09/24 08:53	06/02/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*55.0*		*30 - 110*	*05/09/24 08:53*	*06/02/24 11:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.731	U	0.621	0.625	1.00	0.973	pCi/L	05/09/24 09:01	05/31/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*55.0*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.17**		0.670	0.675	5.00	0.973	pCi/L		06/07/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: 1N/1S Duplciate

Date Collected: 05/07/24 00:00
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.450		0.180	0.184	1.00	0.187	pCi/L	05/09/24 08:53	06/02/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/09/24 08:53*	*06/02/24 11:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.26		0.547	0.559	1.00	0.736	pCi/L	05/09/24 09:01	05/31/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*
Y Carrier	*69.9*		*30 - 110*	*05/09/24 09:01*	*05/31/24 11:51*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.70		0.576	0.589	5.00	0.736	pCi/L		06/07/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-04

Date Collected: 05/08/24 08:52
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.203**		0.122	0.123	1.00	0.153	pCi/L	05/13/24 10:17	06/05/24 18:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*05/13/24 10:17*	*06/05/24 18:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.448	U	0.369	0.372	1.00	0.578	pCi/L	05/13/24 10:26	06/03/24 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*05/13/24 10:26*	*06/03/24 12:32*	*1*
Y Carrier	*82.2*		*30 - 110*	*05/13/24 10:26*	*06/03/24 12:32*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.651**		0.389	0.392	5.00	0.578	pCi/L		06/07/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-07

Date Collected: 05/08/24 13:50
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.104	U	0.108	0.109	1.00	0.169	pCi/L	05/13/24 10:17	06/05/24 18:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/13/24 10:17*	*06/05/24 18:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.428	U	0.364	0.366	1.00	0.569	pCi/L	05/13/24 10:26	06/03/24 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/13/24 10:26*	*06/03/24 12:32*	*1*
Y Carrier	*86.0*		*30 - 110*	*05/13/24 10:26*	*06/03/24 12:32*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.532	U	0.380	0.382	5.00	0.569	pCi/L		06/07/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-08

Date Collected: 05/08/24 14:46
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-10

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0693	U	0.0840	0.0843	1.00	0.138	pCi/L	05/13/24 10:09	06/04/24 23:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*05/13/24 10:09*	*06/04/24 23:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.377	U	0.405	0.406	1.00	0.658	pCi/L	05/13/24 10:14	05/31/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*05/13/24 10:14*	*05/31/24 12:13*	*1*
Y Carrier	*75.5*		*30 - 110*	*05/13/24 10:14*	*05/31/24 12:13*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.446	U	0.414	0.415	5.00	0.658	pCi/L		06/07/24 14:38	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-09

Date Collected: 05/08/24 15:57
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-11

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.133		0.0901	0.0909	1.00	0.118	pCi/L	05/13/24 10:09	06/04/24 23:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*05/13/24 10:09*	*06/04/24 23:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0666	U	0.335	0.336	1.00	0.653	pCi/L	05/13/24 10:14	05/31/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*05/13/24 10:14*	*05/31/24 12:13*	*1*
Y Carrier	*76.6*		*30 - 110*	*05/13/24 10:14*	*05/31/24 12:13*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0668	U	0.347	0.348	5.00	0.653	pCi/L		06/07/24 14:38	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Qualifiers

Rad

Qualifier	Qualifier Description
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: 660924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total/NA	Water	PrecSep-21	
500-250105-2	MW-02	Total/NA	Water	PrecSep-21	
500-250105-3	MW-03	Total/NA	Water	PrecSep-21	
500-250105-4	MW-13	Total/NA	Water	PrecSep-21	
500-250105-5	MW-14	Total/NA	Water	PrecSep-21	
500-250105-6	MW-15	Total/NA	Water	PrecSep-21	
500-250105-7	1N/1S Duplciate	Total/NA	Water	PrecSep-21	
MB 160-660924/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-660924/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-250105-1 DU	MW-01	Total/NA	Water	PrecSep-21	

Prep Batch: 660925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-1	MW-01	Total/NA	Water	PrecSep_0	
500-250105-2	MW-02	Total/NA	Water	PrecSep_0	
500-250105-3	MW-03	Total/NA	Water	PrecSep_0	
500-250105-4	MW-13	Total/NA	Water	PrecSep_0	
500-250105-5	MW-14	Total/NA	Water	PrecSep_0	
500-250105-6	MW-15	Total/NA	Water	PrecSep_0	
500-250105-7	1N/1S Duplciate	Total/NA	Water	PrecSep_0	
MB 160-660925/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-660925/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-250105-1 DU	MW-01	Total/NA	Water	PrecSep_0	

Prep Batch: 661407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-10	MW-08	Total/NA	Water	PrecSep-21	
500-250105-11	MW-09	Total/NA	Water	PrecSep-21	
MB 160-661407/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661407/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 661408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-10	MW-08	Total/NA	Water	PrecSep_0	
500-250105-11	MW-09	Total/NA	Water	PrecSep_0	
MB 160-661408/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661408/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 661409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-8	MW-04	Total/NA	Water	PrecSep-21	
500-250105-9	MW-07	Total/NA	Water	PrecSep-21	
MB 160-661409/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661409/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-250105-8 DU	MW-04	Total/NA	Water	PrecSep-21	

Prep Batch: 661410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250105-8	MW-04	Total/NA	Water	PrecSep_0	
500-250105-9	MW-07	Total/NA	Water	PrecSep_0	
MB 160-661410/1-A	Method Blank	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 661410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-661410/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-250105-8 DU	MW-04	Total/NA	Water	PrecSep_0	

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-660924/1-A
Matrix: Water
Analysis Batch: 664279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 660924

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03766	U	0.0821	0.0822	1.00	0.152	pCi/L	05/09/24 08:53	06/02/24 11:22	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*05/09/24 08:53*	*06/02/24 11:22*	*1*

Lab Sample ID: LCS 160-660924/2-A
Matrix: Water
Analysis Batch: 664279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 660924

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.54		1.21	1.00	0.241	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.3*		*30 - 110*

Lab Sample ID: 500-250105-1 DU
Matrix: Water
Analysis Batch: 664279

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 660924

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.237			0.2583		0.161	1.00	0.192	pCi/L			0.07	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*63.9*		*30 - 110*

Lab Sample ID: MB 160-661407/1-A
Matrix: Water
Analysis Batch: 664625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661407

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02375	U	0.0739	0.0740	1.00	0.140	pCi/L	05/13/24 10:09	06/04/24 23:24	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*05/13/24 10:09*	*06/04/24 23:24*	*1*

Lab Sample ID: LCS 160-661407/2-A
Matrix: Water
Analysis Batch: 664625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661407

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.80		1.17	1.00	0.134	pCi/L	95	75 - 125		

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

Lab Sample ID: LCS 160-661407/2-A
Matrix: Water
Analysis Batch: 664625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661407

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	91.8		30 - 110

Lab Sample ID: MB 160-661409/1-A
Matrix: Water
Analysis Batch: 664837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661409

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02429	U	0.0947	0.0947	1.00	0.182	pCi/L	05/13/24 10:17	06/05/24 14:11	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110	05/13/24 10:17	06/05/24 14:11	1

Lab Sample ID: LCS 160-661409/2-A
Matrix: Water
Analysis Batch: 664913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661409

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.290		1.04	1.00	0.138	pCi/L	82	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.0		30 - 110

Lab Sample ID: 500-250105-8 DU
Matrix: Water
Analysis Batch: 664836

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 661409

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.203			0.1921		0.125	1.00	0.162	pCi/L			0.04	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	91.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-660925/1-A
Matrix: Water
Analysis Batch: 664148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 660925

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2640	U	0.217	0.218	1.00	0.502	pCi/L	05/09/24 09:01	05/31/24 11:48	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110	05/09/24 09:01	05/31/24 11:48	1

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

Lab Sample ID: MB 160-660925/1-A
Matrix: Water
Analysis Batch: 664148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 660925

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	81.1		30 - 110	05/09/24 09:01	05/31/24 11:48	1

Lab Sample ID: LCS 160-660925/2-A
Matrix: Water
Analysis Batch: 664148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 660925

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.89	9.668		1.33	1.00	0.527	pCi/L	109	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.3		30 - 110
Y Carrier	81.1		30 - 110

Lab Sample ID: 500-250105-1 DU
Matrix: Water
Analysis Batch: 664148

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 660925

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.937			0.3413	U	0.421	1.00	0.694	pCi/L			0.61	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	63.9		30 - 110
Y Carrier	85.2		30 - 110

Lab Sample ID: MB 160-661408/1-A
Matrix: Water
Analysis Batch: 664147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661408

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4504	U	0.376	0.379	1.00	0.587	pCi/L	05/13/24 10:14	05/31/24 12:17	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110	05/13/24 10:14	05/31/24 12:17	1
Y Carrier	81.5		30 - 110	05/13/24 10:14	05/31/24 12:17	1

Lab Sample ID: LCS 160-661408/2-A
Matrix: Water
Analysis Batch: 664147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661408

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.89	10.14		1.40	1.00	0.585	pCi/L	114	75 - 125		

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

Lab Sample ID: LCS 160-661408/2-A
Matrix: Water
Analysis Batch: 664147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661408

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	91.8		30 - 110
Y Carrier	81.5		30 - 110

Lab Sample ID: MB 160-661410/1-A
Matrix: Water
Analysis Batch: 664450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661410

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7055		0.390	0.396	1.00	0.550	pCi/L	05/13/24 10:26	06/03/24 12:32	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110	05/13/24 10:26	06/03/24 12:32	1
Y Carrier	78.5		30 - 110	05/13/24 10:26	06/03/24 12:32	1

Lab Sample ID: LCS 160-661410/2-A
Matrix: Water
Analysis Batch: 664450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661410

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.88	7.968		1.16	1.00	0.603	pCi/L	90	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.0		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: 500-250105-8 DU
Matrix: Water
Analysis Batch: 664451

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 661410

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.448	U		0.3561	U	0.333	1.00	0.523	pCi/L			0.13	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	91.8		30 - 110
Y Carrier	80.0		30 - 110

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN SOHL HOWIGSON	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-123088-45943 1
Client Contact: Patrick Allenstein	Phone: 630 290 6850	E-Mail: Diana Mockler@et eurofinsus com		Page: Page 1 of 1
Company: KPRG and Associates, Inc	PWSID:	Analysis F	500-250105 COC	Job #: 500-250105
Address: 14665 West Lisbon Road, Suite 1A	Due Date Requested:			
City: Brookfield	TAT Requested (days):			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4502116506			
Email: patricka@kprginc com	WO #:			
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring	Project #: 50011609			
Site: Illinois	SSOW#:			

Preservation Codes:

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

	Sample Identification (CCR)	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, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
	Preservation Code:							D	D	N		
1	MW-01	5-7-24	07:52	G	Water	N	N	X	X	X	5	
2	MW-02	5-7-24	11:12	G	Water	N	N	X	X	X	5	
3	MW-03	5-7-24	12:57	G	Water	N	N	X	X	X	5	
	MW-04				Water						1	
	MW-07				Water						1	
	MW-08				Water						1	
	MW-09				Water						1	
4	MW-13	5-6-24	14:55	G	Water	N	N	X	X	X	5	
5	MW-14	5-7-24	10:32	G	Water	N	N	X	X	X	5	
6	MW-15	5-7-24	08:33	G	Water	N	N	X	X	X	5	
7	1N/1S Duplicate	5-7-24	—	G	Water	N	N	X	X	X	5	

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

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

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		5-7-24 1455	KPRG		5/7/24 1455	EAT
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 21+1.7, 15+1.6

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN SOHN HOWIESON	Lab PM: Mockler, Diana J	COC No: 500-123088-45943 1
Client Contact: Patrick Allenstein	Phone: 630 290 6850	E-Mail: Diana Mockler@et eurofinsus com	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:		Job #: 500-250105
Address: 14665 West Lisbon Road, Suite 1A	Due Date Requested:		
City: Brookfield	TAT Requested (days):		
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No		
Phone:	PO #: 4502116506		
Email: patricka@kprginc com	WO #:		
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring	Project #: 50011609		
Site: Illinois	SSOW#:		

500-250105 COC

Analysis R

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 (CCR)	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, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
	Preservation Code:							D	D	N		
	MW-01				Water							
	MW-02				Water							
	MW-03				Water							
8	MW-04	5-8-24	08:52	G	Water	N	N	X	X	X	5	
9	MW-07	5-8-24	13:50	G	Water	N	N	X	X	X	5	
10	MW-08	5-8-24	14:46	G	Water	N	N	X	X	X	5	
11	MW-09	5-8-24	15:57	G	Water	N	N	X	X	X	5	
	MW-13				Water							
	MW-14				Water							
	MW-15				Water							
	1N/1S Duplicate				Water							

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:
Relinquished by:	Date/Time: 5-9-24 08:05	Company: KPRG	Received by:	Date/Time: 05/09/24 0805	Company: EETA
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7+1.8, 1.9+2.0

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-187960.1
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 #: 500-250105-2
Address: 13715 Rider Trail North,	Due Date Requested: 6/5/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Will County CCR	Project #: 50011609			
Site: NRG Midwest Generation Will County	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-01 (500-250105-1)	5/7/24	07:52 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-02 (500-250105-2)	5/7/24	11:12 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-03 (500-250105-3)	5/7/24	12:57 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-13 (500-250105-4)	5/7/24	14:55 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-14 (500-250105-5)	5/7/24	10:32 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-15 (500-250105-6)	5/7/24	08:33 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
1N/1S Duplciate (500-250105-7)	5/7/24	Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Preservation Codes:
-
Other:

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shri Scott	5/7/24 1550		Sierra Worthington	MAY 08 2024 0835	ETRR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-188111.1
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 #: 500-250105-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/10/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Will County CCR (RAD)	Project #: 50011609			
Site: NRG Midwest Generation Will County	SSOW#:			

Analysis Requested

Preservation Codes: -

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:								
MW-04 (500-250105-8)	5/8/24	08:52 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-07 (500-250105-9)	5/8/24	13:50 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-08 (500-250105-10)	5/8/24	14:46 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-09 (500-250105-11)	5/8/24	15:57 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 our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	05/09/24 1610	EET TA			
2	Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: MAY 10 2024 0900	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-250105-2

Login Number: 250105
List Number: 1
Creator: Hernandez, Stephanie

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	1.7,1.6,1.8,2.0
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: 500-250105-2

Login Number: 250105
List Number: 2
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 05/08/24 12:27 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-250105-2

Login Number: 250105
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 05/10/24 01:47 PM

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

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-01
Date Collected: 05/07/24 07:52
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			660924	MLT	EET SL	05/09/24 08:53
Total/NA	Analysis	903.0		1	664279	SCB	EET SL	06/02/24 11:25
Total/NA	Prep	PrecSep_0			660925	MLT	EET SL	05/09/24 09:01
Total/NA	Analysis	904.0		1	664148	SCB	EET SL	05/31/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/06/24 14:38

Client Sample ID: MW-02
Date Collected: 05/07/24 11:12
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			660924	MLT	EET SL	05/09/24 08:53
Total/NA	Analysis	903.0		1	664279	SCB	EET SL	06/02/24 11:26
Total/NA	Prep	PrecSep_0			660925	MLT	EET SL	05/09/24 09:01
Total/NA	Analysis	904.0		1	664148	SCB	EET SL	05/31/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Client Sample ID: MW-03
Date Collected: 05/07/24 12:57
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			660924	MLT	EET SL	05/09/24 08:53
Total/NA	Analysis	903.0		1	664290	SCB	EET SL	06/02/24 11:40
Total/NA	Prep	PrecSep_0			660925	MLT	EET SL	05/09/24 09:01
Total/NA	Analysis	904.0		1	664012	SCB	EET SL	05/31/24 11:51
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Client Sample ID: MW-13
Date Collected: 05/07/24 14:55
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			660924	MLT	EET SL	05/09/24 08:53
Total/NA	Analysis	903.0		1	664290	SCB	EET SL	06/02/24 11:40
Total/NA	Prep	PrecSep_0			660925	MLT	EET SL	05/09/24 09:01
Total/NA	Analysis	904.0		1	664012	SCB	EET SL	05/31/24 11:51
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-14
Date Collected: 05/07/24 10:32
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			660924	MLT	EET SL	05/09/24 08:53
Total/NA	Analysis	903.0		1	664290	SCB	EET SL	06/02/24 11:40
Total/NA	Prep	PrecSep_0			660925	MLT	EET SL	05/09/24 09:01
Total/NA	Analysis	904.0		1	664012	SCB	EET SL	05/31/24 11:51
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Client Sample ID: MW-15
Date Collected: 05/07/24 08:33
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			660924	MLT	EET SL	05/09/24 08:53
Total/NA	Analysis	903.0		1	664290	SCB	EET SL	06/02/24 11:41
Total/NA	Prep	PrecSep_0			660925	MLT	EET SL	05/09/24 09:01
Total/NA	Analysis	904.0		1	664012	SCB	EET SL	05/31/24 11:51
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Client Sample ID: 1N/1S Duplciate
Date Collected: 05/07/24 00:00
Date Received: 05/07/24 14:55

Lab Sample ID: 500-250105-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			660924	MLT	EET SL	05/09/24 08:53
Total/NA	Analysis	903.0		1	664290	SCB	EET SL	06/02/24 11:41
Total/NA	Prep	PrecSep_0			660925	MLT	EET SL	05/09/24 09:01
Total/NA	Analysis	904.0		1	664012	SCB	EET SL	05/31/24 11:51
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Client Sample ID: MW-04
Date Collected: 05/08/24 08:52
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661409	KAK	EET SL	05/13/24 10:17
Total/NA	Analysis	903.0		1	664836	SCB	EET SL	06/05/24 18:45
Total/NA	Prep	PrecSep_0			661410	KAK	EET SL	05/13/24 10:26
Total/NA	Analysis	904.0		1	664451	SCB	EET SL	06/03/24 12:32
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Client Sample ID: MW-07

Date Collected: 05/08/24 13:50
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661409	KAK	EET SL	05/13/24 10:17
Total/NA	Analysis	903.0		1	664836	SCB	EET SL	06/05/24 18:45
Total/NA	Prep	PrecSep_0			661410	KAK	EET SL	05/13/24 10:26
Total/NA	Analysis	904.0		1	664451	SCB	EET SL	06/03/24 12:32
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Client Sample ID: MW-08

Date Collected: 05/08/24 14:46
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661407	KAK	EET SL	05/13/24 10:09
Total/NA	Analysis	903.0		1	664627	SCB	EET SL	06/04/24 23:18
Total/NA	Prep	PrecSep_0			661408	KAK	EET SL	05/13/24 10:14
Total/NA	Analysis	904.0		1	664149	SCB	EET SL	05/31/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Client Sample ID: MW-09

Date Collected: 05/08/24 15:57
Date Received: 05/09/24 08:05

Lab Sample ID: 500-250105-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661407	KAK	EET SL	05/13/24 10:09
Total/NA	Analysis	903.0		1	664517	SCB	EET SL	06/04/24 23:16
Total/NA	Prep	PrecSep_0			661408	KAK	EET SL	05/13/24 10:14
Total/NA	Analysis	904.0		1	664149	SCB	EET SL	05/31/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	664952	FLC	EET SL	06/07/24 14:38

Laboratory References:

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

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-250105-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
500-250105-1	MW-01	61.9
500-250105-1 DU	MW-01	63.9
500-250105-2	MW-02	85.3
500-250105-3	MW-03	92.5
500-250105-4	MW-13	53.0
500-250105-5	MW-14	86.6
500-250105-6	MW-15	55.0
500-250105-7	1N/1S Duplciate	89.6
500-250105-8	MW-04	95.0
500-250105-8 DU	MW-04	91.8
500-250105-9	MW-07	85.1
500-250105-10	MW-08	90.0
500-250105-11	MW-09	89.3
LCS 160-660924/2-A	Lab Control Sample	90.3
LCS 160-661407/2-A	Lab Control Sample	91.8
LCS 160-661409/2-A	Lab Control Sample	99.0
MB 160-660924/1-A	Method Blank	96.5
MB 160-661407/1-A	Method Blank	92.8
MB 160-661409/1-A	Method Blank	95.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-250105-1	MW-01	61.9	78.5
500-250105-1 DU	MW-01	63.9	85.2
500-250105-2	MW-02	85.3	79.6
500-250105-3	MW-03	92.5	73.6
500-250105-4	MW-13	53.0	78.5
500-250105-5	MW-14	86.6	72.5
500-250105-6	MW-15	55.0	78.9
500-250105-7	1N/1S Duplciate	89.6	69.9
500-250105-8	MW-04	95.0	82.2
500-250105-8 DU	MW-04	91.8	80.0
500-250105-9	MW-07	85.1	86.0
500-250105-10	MW-08	90.0	75.5
500-250105-11	MW-09	89.3	76.6
LCS 160-660925/2-A	Lab Control Sample	90.3	81.1
LCS 160-661408/2-A	Lab Control Sample	91.8	81.5
LCS 160-661410/2-A	Lab Control Sample	99.0	81.9
MB 160-660925/1-A	Method Blank	96.5	81.1
MB 160-661408/1-A	Method Blank	92.8	81.5
MB 160-661410/1-A	Method Blank	95.3	78.5

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Job ID: 500-250105-2
Project/Site: Will County CCR (RAD)

Y = Y Carrier

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-7-24
Sample Name	MW-01	Start Time	07:28	
Condition of Well	GOOD			
Water Level	9.80	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS → TAN SLIGHT ODOR TINT	
Volume Removed	3.0 QTS	W L at Sample Time	9.83	
Method of Sample	Low-Flow	Sample Characteristics	TAN TINT CLEAR FILTERED.	
Sample Analysis	CCA + CCR	Sample Time	07:52	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
07:31	9.84	7.57	14.3	1.494	6.69	64.3	9.49
07:34	9.84	7.33	13.8	1.606	4.24	66.4	117.92
07:37	9.85	7.33	13.8	1.621	2.17	66.8	173.22
FLUSH CCR 07:40	9.84	7.35	14.0	1.618	1.43	64.4	194.03
07:43	—	7.35	14.1	1.626	0.50	57.4	120.40
07:46	—	7.41	13.5	1.628	0.73	55.6	25.93
07:49	—	7.40	13.6	1.624	0.56	54.0	24.89
07:52	9.83	7.39	13.8	1.621	0.51	52.2	23.76

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-7-24
Sample Name	MW-02	Start Time	11:00	
Condition of Well	Good			
Water Level	10.82	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	1.75 QTS.	W L at Sample Time	10.83	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR+ CCA DUP	Sample Time	11:12	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
11:03	10.83	8.04	15.8	1.523	6.13	80.1	11.20
11:06	10.84	7.95	16.2	1.475	2.90	79.8	10.66
11:09	10.83	7.92	16.1	1.459	1.28	78.7	11.10
11:12	10.83	7.91	16.0	1.458	1.12	77.8	11.18

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-7-24
Sample Name	MW-03	Start Time	12:42	
Condition of Well	GOOD			
Water Level	10.45	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2.0 GAL.	W L at Sample Time	10.50	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	12:57	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
12:45	10.51	7.87	18.5	1.416	4.80	72.0	9.24
12:48	10.49	7.37	16.3	1.369	5.58	85.5	7.66
12:51	10.51	7.17	15.2	1.352	2.81	92.2	7.91
12:54	10.51	7.12	14.9	1.345	1.54	94.6	8.49
12:57	10.50	7.10	14.6	1.345	1.21	94.8	8.73

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-8-24
Sample Name	MW-04	Start Time	08:37	
Condition of Well	GOOD			
Water Level	10.79	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2 QTS	W L at Sample Time	10.82	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	08:52	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
08:40	10.82	6.94	12.8	2.431	6.41	80.7	12.80
08:43	10.80	6.69	12.9	2.397	3.26	98.9	13.23
08:46	10.81	6.64	13.8	2.385	2.24	105.6	11.65
08:49	10.82	6.62	13.2	2.354	0.88	106.5	10.22
08:52	10.82	6.62	13.0	2.344	0.60	106.0	10.72

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-8-24
Sample Name	MW-07	Start Time	13:32	
Condition of Well	GOOD			
Water Level	10.14	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	2.25 Qts	W L at Sample Time	10.32	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	13:50	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
13:35	10.26	7.50	22.2	1.807	2.70	-82.3	20.03
13:38	10.33	6.93	14.9	1.893	3.77	-56.6	15.95
13:41	10.29	6.79	14.3	1.789	3.32	-22.3	16.12
13:44	10.32	6.74	14.6	1.733	2.41	-9.2	16.58
13:47	10.32	6.72	14.5	1.720	2.04	-2.5	17.30
13:50	10.32	6.71	14.7	1.709	1.85	0.7	17.65

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-8-24
Sample Name	MW-08	Start Time	14:28	
Condition of Well	Good			
Water Level	10.98	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TAN TINT MOD ODORLESS TURBIDITY	
Volume Removed	2.25 GAL	W L at Sample Time	11:16	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR FILTERED.	
Sample Analysis	CCA + CCR	Sample Time	14:46	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
14:31	11.20	7.29	12.6	1.981	4.71	23.0	231.63
14:34	—	7.19	13.1	1.940	3.07	-15.3	143.22
14:37	11.29	7.12	14.7	1.918	2.33	-33.9	111.02
14:40	11.22	7.08	15.7	1.915	1.78	-46.5	74.17
14:43	11.18	7.05	16.1	1.914	1.47	-55.6	60.92
14:46	11.16	7.05	16.0	1.915	1.34	-58.3	51.31

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-8-24
Sample Name	MW-09	Start Time	15:39	
Condition of Well	GOOD			
Water Level	10.90	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	2.25 GAL	W L at Sample Time	11.10	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR + CCR (IN/IS 25/35)	Sample Time	15:57	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
15:42	11.12	7.88	20.5	1.676	6.55	-96.4	9.42
15:45	11.08	8.24	16.3	1.379	6.02	-103.7	8.77
15:48	11.12	9.06	15.0	1.357	3.12	-76.1	9.96
15:51	11.12	9.24	14.9	1.355	2.10	-69.0	9.46
15:54	11.15	9.30	14.7	1.358	1.45	-66.2	8.83
15:57	11.10	9.33	14.5	1.357	1.10	-66.3	8.90

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-6-24
Sample Name	MW-13	Start Time	14:43	
Condition of Well	Good			
Water Level	10.71	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	1.75 QTS	W L at Sample Time	10.81	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR	Sample Time	14:55	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
14:46	10.77	7.39	16.1	2.413	8.53	115.7	16.82
14:49	10.79	7.41	16.4	2.419	8.22	116.5	13.49
14:52	10.79	7.42	16.3	2.382	7.83	118.1	12.15
14:55	10.81	7.43	15.2	2.341	8.03	120.0	12.61

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-7-24
Sample Name	MW-14	Start Time	10:14	
Condition of Well	GOOD			
Water Level	10.12	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2.75 QTS	W L at Sample Time	10.19	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR + CCR DUP	Sample Time	10:32	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
10:17	10.23	7.88	14.1	1.778	5.33	104.0	6.74
10:20	10.22	8.06	13.4	1.586	1.92	89.2	11.51
10:23	10.23	8.22	13.5	1.519	0.62	70.0	9.42
10:26	10.23	8.20	13.4	1.549	0.23	54.0	8.11
10:29	10.21	8.13	13.6	1.578	0.08	38.3	7.14
10:32	10.19	8.12	13.9	1.572	0.09	33.1	7.12

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	5-7-24
Sample Name	MW-15	Start Time	08:21	
Condition of Well	GOOD			
Water Level	9.36	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	GREYISH TINT ODORLESS	
Volume Removed	1.75 QTS	W L at Sample Time	9.43	
Method of Sample	Low-Flow	Sample Characteristics	GREYISH TINT	
Sample Analysis	CLR	Sample Time	08:33	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
08:24	9.42	7.07	12.1	2.347	4.51	96.4	31.8
08:27	—	6.99	12.1	2.277	2.44	55.3	59.13
08:30	9.54	6.99	12.2	2.253	1.19	20.1	35.10
08:33	9.43	6.99	12.3	2.245	0.90	8.2	29.52

SAMPLING NOTES: HEAVY RAIN & THUNDER / LIGHTING STORM

Sampler Name and Company: KPRG and Associates