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 4th quarter 2023 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date. 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
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
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
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
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

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
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
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
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
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

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
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
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
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
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

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
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
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
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
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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/14/2023 11:14:08 AM

JOB DESCRIPTION

Will County CCR 1N/1S

JOB NUMBER

500-241308-1

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

Authorization

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11/14/2023 11:14:08 AM

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

Table of Contents

Job ID: 500-241308-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-241308-1

Receipt
The samples were received on 10/19/2023 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.8º C, 2.1º C, 2.3º C, 3.6º C and 4.3º C.

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

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

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 1N/1S

Job ID: 500-241308-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-241308-1	MW-13	Water	10/19/23 13:12	10/19/23 16:30
500-241308-2	MW-14	Water	10/19/23 13:53	10/19/23 16:30
500-241308-3	MW-15	Water	10/19/23 14:43	10/19/23 16:30
500-241308-4	1N/1S Duplicate	Water	10/19/23 00:00	10/19/23 16:30
500-241308-5	MW-01	Water	10/23/23 08:56	10/23/23 16:25
500-241308-6	MW-02	Water	10/23/23 10:13	10/23/23 16:25
500-241308-7	MW-03	Water	10/23/23 11:40	10/23/23 16:25
500-241308-8	MW-04	Water	10/23/23 12:54	10/23/23 16:25
500-241308-9	MW-07	Water	10/23/23 14:16	10/23/23 16:25
500-241308-10	MW-08	Water	10/24/23 14:37	10/25/23 09:30
500-241308-11	MW-09	Water	10/24/23 13:00	10/25/23 09:30

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-13

Date Collected: 10/19/23 13:12
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0014**		0.0010		mg/L		10/30/23 09:10	11/02/23 14:50	1
Boron	**1.2**		0.25		mg/L		10/30/23 09:10	11/08/23 10:28	5
Barium	**0.12**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 14:50	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 14:50	1
Calcium	**120**		0.20		mg/L		10/30/23 09:10	11/02/23 14:50	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 14:50	1
Cobalt	**0.0010**		0.0010		mg/L		10/30/23 09:10	11/02/23 14:50	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 14:50	1
Molybdenum	**0.018**		0.0050		mg/L		10/30/23 09:10	11/02/23 14:50	1
Lead	**0.0011**		0.00050		mg/L		10/30/23 09:10	11/08/23 15:35	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 14:50	1
Selenium	**0.0046**		0.0025		mg/L		10/30/23 09:10	11/02/23 14:50	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 14:50	1
Lithium	<0.010		0.010		mg/L		10/30/23 09:10	11/08/23 15:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 13:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**860**		10		mg/L			10/23/23 18:38	1
Chloride (SM 4500 Cl- E)	**150**		40		mg/L			10/25/23 14:53	20
Fluoride (SM 4500 F C)	**0.39**		0.10		mg/L			11/09/23 11:50	1
Sulfate (SM 4500 SO4 E)	**130**		100		mg/L			10/24/23 11:44	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-14

Date Collected: 10/19/23 13:53
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0024**		0.0010		mg/L		10/30/23 09:10	11/02/23 15:20	1
Boron	**3.3**		0.25		mg/L		10/30/23 09:10	11/08/23 10:49	5
Barium	**0.083**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 15:20	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:20	1
Calcium	**86**		0.20		mg/L		10/30/23 09:10	11/02/23 15:20	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 15:20	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:20	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 15:20	1
Molybdenum	**0.069**		0.0050		mg/L		10/30/23 09:10	11/02/23 15:20	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:04	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 15:20	1
Selenium	<0.0025		0.0025		mg/L		10/30/23 09:10	11/02/23 15:20	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 15:20	1
Lithium	**0.023**		0.010		mg/L		10/30/23 09:10	11/08/23 16:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**970**		10		mg/L			10/23/23 19:28	1
Chloride (SM 4500 Cl- E)	**110**		20		mg/L			10/25/23 14:55	10
Fluoride (SM 4500 F C)	**0.63**		0.10		mg/L			11/09/23 11:55	1
Sulfate (SM 4500 SO4 E)	**430**		100		mg/L			10/24/23 11:44	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-15

Date Collected: 10/19/23 14:43
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0032**		0.0010		mg/L		10/30/23 09:10	11/02/23 15:24	1
Boron	**3.4**		0.25		mg/L		10/30/23 09:10	11/08/23 10:54	5
Barium	**0.074**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 15:24	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:24	1
Calcium	**140**		0.20		mg/L		10/30/23 09:10	11/02/23 15:24	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 15:24	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:24	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 15:24	1
Molybdenum	**0.034**		0.0050		mg/L		10/30/23 09:10	11/02/23 15:24	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:08	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 15:24	1
Selenium	<0.0025		0.0025		mg/L		10/30/23 09:10	11/02/23 15:24	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 15:24	1
Lithium	**0.019**		0.010		mg/L		10/30/23 09:10	11/08/23 16:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		10		mg/L			10/23/23 19:35	1
Chloride (SM 4500 Cl- E)	**110**		20		mg/L			10/25/23 14:54	10
Fluoride (SM 4500 F C)	**0.62**		0.10		mg/L			11/09/23 11:59	1
Sulfate (SM 4500 SO4 E)	**510**		100		mg/L			10/24/23 11:01	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: 1N/1S Duplicate

Date Collected: 10/19/23 00:00
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0024**		0.0010		mg/L		10/30/23 09:10	11/02/23 15:28	1
Boron	**3.4**		0.25		mg/L		10/30/23 09:10	11/08/23 10:58	5
Barium	**0.083**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 15:28	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:28	1
Calcium	**88**		0.20		mg/L		10/30/23 09:10	11/02/23 15:28	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 15:28	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:28	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 15:28	1
Molybdenum	**0.069**		0.0050		mg/L		10/30/23 09:10	11/02/23 15:28	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:12	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 15:28	1
Selenium	<0.0025		0.0025		mg/L		10/30/23 09:10	11/02/23 15:28	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 15:28	1
Lithium	**0.024**		0.010		mg/L		10/30/23 09:10	11/08/23 16:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**950**		10		mg/L			10/23/23 19:41	1
Chloride (SM 4500 Cl- E)	**110**		20		mg/L			10/25/23 14:54	10
Fluoride (SM 4500 F C)	**0.61**		0.10		mg/L			11/09/23 12:03	1
Sulfate (SM 4500 SO4 E)	**420**		100		mg/L			10/24/23 10:57	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-01

Date Collected: 10/23/23 08:56
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-5

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		10/30/23 09:10	11/02/23 15:32	1
Boron	**2.1**		0.25		mg/L		10/30/23 09:10	11/08/23 11:11	5
Barium	**0.087**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 15:32	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:32	1
Calcium	**160**		0.20		mg/L		10/30/23 09:10	11/02/23 15:32	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 15:32	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:32	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 15:32	1
Molybdenum	**0.012**		0.0050		mg/L		10/30/23 09:10	11/02/23 15:32	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:16	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 15:32	1
Selenium	**0.0099**		0.0025		mg/L		10/30/23 09:10	11/02/23 15:32	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 15:32	1
Lithium	**0.038**		0.010		mg/L		10/30/23 09:10	11/08/23 16:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 13:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1000**		10		mg/L			10/25/23 21:04	1
Chloride (SM 4500 Cl- E)	**21**		2.0		mg/L			10/25/23 14:27	1
Fluoride (SM 4500 F C)	**0.55**		0.10		mg/L			11/09/23 12:08	1
Sulfate (SM 4500 SO4 E)	**240**		100		mg/L			10/24/23 10:57	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-02

Date Collected: 10/23/23 10:13
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.012**		0.0010		mg/L		10/30/23 09:10	11/02/23 15:37	1
Boron	**5.7**		0.25		mg/L		10/30/23 09:10	11/08/23 11:15	5
Barium	**0.061**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 15:37	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:37	1
Calcium	**93**		0.20		mg/L		10/30/23 09:10	11/02/23 15:37	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 15:37	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:37	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 15:37	1
Molybdenum	**0.070**		0.0050		mg/L		10/30/23 09:10	11/02/23 15:37	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:20	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 15:37	1
Selenium	<0.0025		0.0025		mg/L		10/30/23 09:10	11/02/23 15:37	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 15:37	1
Lithium	**0.050**		0.010		mg/L		10/30/23 09:10	11/08/23 16:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		10		mg/L			10/25/23 21:06	1
Chloride (SM 4500 Cl- E)	**26**		2.0		mg/L			10/25/23 14:27	1
Fluoride (SM 4500 F C)	**0.36**		0.10		mg/L			11/09/23 12:12	1
Sulfate (SM 4500 SO4 E)	**480**		100		mg/L			10/24/23 10:57	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-03

Date Collected: 10/23/23 11:40
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-7

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		10/30/23 09:10	11/02/23 15:41	1
Boron	**3.7**		0.25		mg/L		10/30/23 09:10	11/08/23 11:19	5
Barium	**0.10**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 15:41	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:41	1
Calcium	**140**		0.20		mg/L		10/30/23 09:10	11/02/23 15:41	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 15:41	1
Cobalt	**0.0012**		0.0010		mg/L		10/30/23 09:10	11/02/23 15:41	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 15:41	1
Molybdenum	**0.011**		0.0050		mg/L		10/30/23 09:10	11/02/23 15:41	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:33	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 15:41	1
Selenium	**0.0042**		0.0025		mg/L		10/30/23 09:10	11/02/23 15:41	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 15:41	1
Lithium	**0.034**		0.010		mg/L		10/30/23 09:10	11/08/23 16:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 14:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**900**		10		mg/L			10/25/23 21:09	1
Chloride (SM 4500 Cl- E)	**19**		2.0		mg/L			10/25/23 14:24	1
Fluoride (SM 4500 F C)	**0.26**		0.10		mg/L			11/09/23 12:17	1
Sulfate (SM 4500 SO4 E)	**200**		100		mg/L			10/24/23 10:59	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-04

Date Collected: 10/23/23 12:54
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0013**		0.0010		mg/L		10/30/23 09:10	11/02/23 15:45	1
Boron	**4.6**		0.25		mg/L		10/30/23 09:10	11/08/23 11:23	5
Barium	**0.043**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 15:45	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:45	1
Calcium	**210**		0.20		mg/L		10/30/23 09:10	11/02/23 15:45	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 15:45	1
Cobalt	**0.0015**		0.0010		mg/L		10/30/23 09:10	11/02/23 15:45	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 15:45	1
Molybdenum	**0.022**		0.0050		mg/L		10/30/23 09:10	11/02/23 15:45	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:37	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 15:45	1
Selenium	**0.013**		0.0025		mg/L		10/30/23 09:10	11/02/23 15:45	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 15:45	1
Lithium	**0.019**		0.010		mg/L		10/30/23 09:10	11/08/23 16:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1300**		10		mg/L			10/25/23 21:11	1
Chloride (SM 4500 Cl- E)	**12**		2.0		mg/L			10/25/23 14:27	1
Fluoride (SM 4500 F C)	**0.40**		0.10		mg/L			11/09/23 12:21	1
Sulfate (SM 4500 SO4 E)	**500**		100		mg/L			10/24/23 10:56	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-07
Date Collected: 10/23/23 14:16
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0026**		0.0010		mg/L		10/30/23 09:10	11/02/23 15:57	1
Boron	**3.4**		0.25		mg/L		10/30/23 09:10	11/08/23 11:27	5
Barium	**0.056**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 15:57	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:57	1
Calcium	**89**		0.20		mg/L		10/30/23 09:10	11/02/23 15:57	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 15:57	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 15:57	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 15:57	1
Molybdenum	**0.078**		0.0050		mg/L		10/30/23 09:10	11/02/23 15:57	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:41	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 15:57	1
Selenium	<0.0025		0.0025		mg/L		10/30/23 09:10	11/02/23 15:57	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 15:57	1
Lithium	**0.020**		0.010		mg/L		10/30/23 09:10	11/08/23 16:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1200**		10		mg/L			10/25/23 21:14	1
Chloride (SM 4500 Cl- E)	**130**		40		mg/L			10/25/23 14:55	20
Fluoride (SM 4500 F C)	**0.74**		0.10		mg/L			11/09/23 12:37	1
Sulfate (SM 4500 SO4 E)	**470**		100		mg/L			10/24/23 10:56	20

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-08

Date Collected: 10/24/23 14:37
Date Received: 10/25/23 09:30

Lab Sample ID: 500-241308-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0059**		0.0010		mg/L		10/30/23 09:10	11/02/23 16:01	1
Boron	**3.6**		0.25		mg/L		10/30/23 09:10	11/08/23 11:31	5
Barium	**0.055**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 16:01	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 16:01	1
Calcium	**110**		0.20		mg/L		10/30/23 09:10	11/02/23 16:01	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 16:01	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 16:01	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 16:01	1
Molybdenum	**0.10**		0.0050		mg/L		10/30/23 09:10	11/02/23 16:01	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:45	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 16:01	1
Selenium	<0.0025		0.0025		mg/L		10/30/23 09:10	11/02/23 16:01	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 16:01	1
Lithium	**0.022**		0.010		mg/L		10/30/23 09:10	11/08/23 16:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1200**		10		mg/L			10/25/23 21:17	1
Chloride (SM 4500 Cl- E)	**110**		40		mg/L			10/30/23 12:38	20
Fluoride (SM 4500 F C)	**0.72**		0.10		mg/L			11/09/23 12:41	1
Sulfate (SM 4500 SO4 E)	**510**		100		mg/L			11/13/23 16:58	20

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-09

Date Collected: 10/24/23 13:00
Date Received: 10/25/23 09:30

Lab Sample ID: 500-241308-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0096**		0.0010		mg/L		10/30/23 09:10	11/02/23 16:05	1
Boron	**2.3**		0.25		mg/L		10/30/23 09:10	11/08/23 11:36	5
Barium	**0.034**	**B**	0.0025		mg/L		10/30/23 09:10	11/02/23 16:05	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 16:05	1
Calcium	**41**		0.20		mg/L		10/30/23 09:10	11/02/23 16:05	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 16:05	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 16:05	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 16:05	1
Molybdenum	**0.072**		0.0050		mg/L		10/30/23 09:10	11/02/23 16:05	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 16:50	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 16:05	1
Selenium	<0.0025		0.0025		mg/L		10/30/23 09:10	11/02/23 16:05	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 16:05	1
Lithium	<0.010		0.010		mg/L		10/30/23 09:10	11/08/23 16:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**780**		10		mg/L			10/25/23 21:19	1
Chloride (SM 4500 Cl- E)	**200**		40		mg/L			10/30/23 12:38	20
Fluoride (SM 4500 F C)	**0.54**		0.10		mg/L			11/09/23 12:45	1
Sulfate (SM 4500 SO4 E)	**230**		100		mg/L			11/12/23 14:44	20

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.

General Chemistry

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

Glossary

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

Metals

Prep Batch: 739507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total Recoverable	Water	3005A	
500-241308-2	MW-14	Total Recoverable	Water	3005A	
500-241308-3	MW-15	Total Recoverable	Water	3005A	
500-241308-4	1N/1S Duplicate	Total Recoverable	Water	3005A	
500-241308-5	MW-01	Total Recoverable	Water	3005A	
500-241308-6	MW-02	Total Recoverable	Water	3005A	
500-241308-7	MW-03	Total Recoverable	Water	3005A	
500-241308-8	MW-04	Total Recoverable	Water	3005A	
500-241308-9	MW-07	Total Recoverable	Water	3005A	
500-241308-10	MW-08	Total Recoverable	Water	3005A	
500-241308-11	MW-09	Total Recoverable	Water	3005A	
MB 500-739507/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-739507/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-241308-1 MS	MW-13	Total Recoverable	Water	3005A	
500-241308-1 MSD	MW-13	Total Recoverable	Water	3005A	
500-241308-1 DU	MW-13	Total Recoverable	Water	3005A	

Analysis Batch: 740420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total Recoverable	Water	6020B	739507
500-241308-2	MW-14	Total Recoverable	Water	6020B	739507
500-241308-3	MW-15	Total Recoverable	Water	6020B	739507
500-241308-4	1N/1S Duplicate	Total Recoverable	Water	6020B	739507
500-241308-5	MW-01	Total Recoverable	Water	6020B	739507
500-241308-6	MW-02	Total Recoverable	Water	6020B	739507
500-241308-7	MW-03	Total Recoverable	Water	6020B	739507
500-241308-8	MW-04	Total Recoverable	Water	6020B	739507
500-241308-9	MW-07	Total Recoverable	Water	6020B	739507
500-241308-10	MW-08	Total Recoverable	Water	6020B	739507
500-241308-11	MW-09	Total Recoverable	Water	6020B	739507
MB 500-739507/1-A	Method Blank	Total Recoverable	Water	6020B	739507
LCS 500-739507/2-A	Lab Control Sample	Total Recoverable	Water	6020B	739507
500-241308-1 MS	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1 MSD	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1 DU	MW-13	Total Recoverable	Water	6020B	739507

Prep Batch: 740936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total/NA	Water	7470A	
500-241308-2	MW-14	Total/NA	Water	7470A	
500-241308-3	MW-15	Total/NA	Water	7470A	
500-241308-4	1N/1S Duplicate	Total/NA	Water	7470A	
500-241308-5	MW-01	Total/NA	Water	7470A	
500-241308-6	MW-02	Total/NA	Water	7470A	
500-241308-7	MW-03	Total/NA	Water	7470A	
500-241308-8	MW-04	Total/NA	Water	7470A	
500-241308-9	MW-07	Total/NA	Water	7470A	
500-241308-10	MW-08	Total/NA	Water	7470A	
500-241308-11	MW-09	Total/NA	Water	7470A	
MB 500-740936/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-740936/13-A	Lab Control Sample	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 740936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-9 MS	MW-07	Total/NA	Water	7470A	
500-241308-9 MSD	MW-07	Total/NA	Water	7470A	
500-241308-9 DU	MW-07	Total/NA	Water	7470A	

Analysis Batch: 741264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total/NA	Water	7470A	740936
500-241308-2	MW-14	Total/NA	Water	7470A	740936
500-241308-3	MW-15	Total/NA	Water	7470A	740936
500-241308-4	1N/1S Duplicate	Total/NA	Water	7470A	740936
500-241308-5	MW-01	Total/NA	Water	7470A	740936
500-241308-6	MW-02	Total/NA	Water	7470A	740936
500-241308-7	MW-03	Total/NA	Water	7470A	740936
500-241308-8	MW-04	Total/NA	Water	7470A	740936
500-241308-9	MW-07	Total/NA	Water	7470A	740936
500-241308-10	MW-08	Total/NA	Water	7470A	740936
500-241308-11	MW-09	Total/NA	Water	7470A	740936
MB 500-740936/12-A	Method Blank	Total/NA	Water	7470A	740936
LCS 500-740936/13-A	Lab Control Sample	Total/NA	Water	7470A	740936
500-241308-9 MS	MW-07	Total/NA	Water	7470A	740936
500-241308-9 MSD	MW-07	Total/NA	Water	7470A	740936
500-241308-9 DU	MW-07	Total/NA	Water	7470A	740936

Analysis Batch: 741354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1	MW-13	Total Recoverable	Water	6020B	739507
500-241308-2	MW-14	Total Recoverable	Water	6020B	739507
500-241308-2	MW-14	Total Recoverable	Water	6020B	739507
500-241308-3	MW-15	Total Recoverable	Water	6020B	739507
500-241308-3	MW-15	Total Recoverable	Water	6020B	739507
500-241308-4	1N/1S Duplicate	Total Recoverable	Water	6020B	739507
500-241308-4	1N/1S Duplicate	Total Recoverable	Water	6020B	739507
500-241308-5	MW-01	Total Recoverable	Water	6020B	739507
500-241308-5	MW-01	Total Recoverable	Water	6020B	739507
500-241308-6	MW-02	Total Recoverable	Water	6020B	739507
500-241308-6	MW-02	Total Recoverable	Water	6020B	739507
500-241308-7	MW-03	Total Recoverable	Water	6020B	739507
500-241308-7	MW-03	Total Recoverable	Water	6020B	739507
500-241308-8	MW-04	Total Recoverable	Water	6020B	739507
500-241308-8	MW-04	Total Recoverable	Water	6020B	739507
500-241308-9	MW-07	Total Recoverable	Water	6020B	739507
500-241308-9	MW-07	Total Recoverable	Water	6020B	739507
500-241308-10	MW-08	Total Recoverable	Water	6020B	739507
500-241308-10	MW-08	Total Recoverable	Water	6020B	739507
500-241308-11	MW-09	Total Recoverable	Water	6020B	739507
500-241308-11	MW-09	Total Recoverable	Water	6020B	739507
MB 500-739507/1-A	Method Blank	Total Recoverable	Water	6020B	739507
LCS 500-739507/2-A	Lab Control Sample	Total Recoverable	Water	6020B	739507
500-241308-1 MS	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1 MS	MW-13	Total Recoverable	Water	6020B	739507

Metals (Continued)

Analysis Batch: 741354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1 MSD	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1 MSD	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1 DU	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1 DU	MW-13	Total Recoverable	Water	6020B	739507

Analysis Batch: 741449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total Recoverable	Water	6020B	739507
500-241308-2	MW-14	Total Recoverable	Water	6020B	739507
500-241308-3	MW-15	Total Recoverable	Water	6020B	739507
500-241308-4	1N/1S Duplicate	Total Recoverable	Water	6020B	739507
500-241308-5	MW-01	Total Recoverable	Water	6020B	739507
500-241308-6	MW-02	Total Recoverable	Water	6020B	739507
500-241308-7	MW-03	Total Recoverable	Water	6020B	739507
500-241308-8	MW-04	Total Recoverable	Water	6020B	739507
500-241308-9	MW-07	Total Recoverable	Water	6020B	739507
500-241308-10	MW-08	Total Recoverable	Water	6020B	739507
500-241308-11	MW-09	Total Recoverable	Water	6020B	739507
MB 500-739507/1-A	Method Blank	Total Recoverable	Water	6020B	739507
LCS 500-739507/2-A	Lab Control Sample	Total Recoverable	Water	6020B	739507
500-241308-1 MS	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1 MSD	MW-13	Total Recoverable	Water	6020B	739507
500-241308-1 DU	MW-13	Total Recoverable	Water	6020B	739507

General Chemistry

Analysis Batch: 738460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total/NA	Water	SM 2540C	
MB 500-738460/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-738460/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 738473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-2	MW-14	Total/NA	Water	SM 2540C	
500-241308-3	MW-15	Total/NA	Water	SM 2540C	
500-241308-4	1N/1S Duplicate	Total/NA	Water	SM 2540C	
MB 500-738473/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-738473/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-241308-2 MS	MW-14	Total/NA	Water	SM 2540C	
500-241308-2 DU	MW-14	Total/NA	Water	SM 2540C	
500-241308-3 DU	MW-15	Total/NA	Water	SM 2540C	

Analysis Batch: 738638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-241308-2	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-241308-3	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-241308-4	1N/1S Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-241308-5	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-241308-6	MW-02	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 738638 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-7	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-241308-8	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-241308-9	MW-07	Total/NA	Water	SM 4500 SO4 E	
MB 500-738638/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-738638/58	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-738638/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-738638/59	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 738855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-241308-2	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-241308-3	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-241308-4	1N/1S Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-241308-5	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-241308-6	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-241308-7	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-241308-8	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-241308-9	MW-07	Total/NA	Water	SM 4500 Cl- E	
MB 500-738855/106	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-738855/107	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 738886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-5	MW-01	Total/NA	Water	SM 2540C	
500-241308-6	MW-02	Total/NA	Water	SM 2540C	
500-241308-7	MW-03	Total/NA	Water	SM 2540C	
500-241308-8	MW-04	Total/NA	Water	SM 2540C	
500-241308-9	MW-07	Total/NA	Water	SM 2540C	
500-241308-10	MW-08	Total/NA	Water	SM 2540C	
500-241308-11	MW-09	Total/NA	Water	SM 2540C	
MB 500-738886/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-738886/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 739652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-10	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-241308-11	MW-09	Total/NA	Water	SM 4500 Cl- E	
MB 500-739652/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-739652/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 741591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total/NA	Water	SM 4500 F C	
500-241308-2	MW-14	Total/NA	Water	SM 4500 F C	
500-241308-3	MW-15	Total/NA	Water	SM 4500 F C	
500-241308-4	1N/1S Duplicate	Total/NA	Water	SM 4500 F C	
500-241308-5	MW-01	Total/NA	Water	SM 4500 F C	
500-241308-6	MW-02	Total/NA	Water	SM 4500 F C	
500-241308-7	MW-03	Total/NA	Water	SM 4500 F C	
500-241308-8	MW-04	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 741591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-9	MW-07	Total/NA	Water	SM 4500 F C	
500-241308-10	MW-08	Total/NA	Water	SM 4500 F C	
500-241308-11	MW-09	Total/NA	Water	SM 4500 F C	
MB 500-741591/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-741591/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 741760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-11	MW-09	Total/NA	Water	SM 4500 SO4 E	
MB 500-741760/73	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-741760/74	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 741949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-10	MW-08	Total/NA	Water	SM 4500 SO4 E	
MB 500-741949/195	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-741949/196	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-241308-10 MS	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-241308-10 MSD	MW-08	Total/NA	Water	SM 4500 SO4 E	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-739507/1-A
Matrix: Water
Analysis Batch: 740420

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 14:42	1
Barium	0.00309		0.0025		mg/L		10/30/23 09:10	11/02/23 14:42	1
Beryllium	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 14:42	1
Calcium	<0.20		0.20		mg/L		10/30/23 09:10	11/02/23 14:42	1
Cadmium	<0.00050		0.00050		mg/L		10/30/23 09:10	11/02/23 14:42	1
Cobalt	<0.0010		0.0010		mg/L		10/30/23 09:10	11/02/23 14:42	1
Chromium	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 14:42	1
Molybdenum	<0.0050		0.0050		mg/L		10/30/23 09:10	11/02/23 14:42	1
Antimony	<0.0030		0.0030		mg/L		10/30/23 09:10	11/02/23 14:42	1
Selenium	<0.0025		0.0025		mg/L		10/30/23 09:10	11/02/23 14:42	1
Thallium	<0.0020		0.0020		mg/L		10/30/23 09:10	11/02/23 14:42	1

Lab Sample ID: MB 500-739507/1-A
Matrix: Water
Analysis Batch: 741354

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		10/30/23 09:10	11/08/23 10:19	1
Lead	<0.00050		0.00050		mg/L		10/30/23 09:10	11/08/23 10:19	1
Lithium	<0.010		0.010		mg/L		10/30/23 09:10	11/08/23 10:19	1

Lab Sample ID: LCS 500-739507/2-A
Matrix: Water
Analysis Batch: 740420

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0929		mg/L		93	80 - 120
Barium	2.00	1.95		mg/L		98	80 - 120
Beryllium	0.0500	0.0540		mg/L		108	80 - 120
Calcium	10.0	10.2		mg/L		102	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Cobalt	0.500	0.504		mg/L		101	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Molybdenum	1.00	0.964		mg/L		96	80 - 120
Antimony	0.500	0.502		mg/L		100	80 - 120
Selenium	0.100	0.0986		mg/L		99	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: LCS 500-739507/2-A
Matrix: Water
Analysis Batch: 741354

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.06		mg/L		106	80 - 120
Lead	0.100	0.104		mg/L		104	80 - 120
Lithium	0.500	0.492		mg/L		98	80 - 120

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

Lab Sample ID: 500-241308-1 MS
Matrix: Water
Analysis Batch: 740420

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0014		0.100	0.0908		mg/L		89	75 - 125
Barium	0.12	B	2.00	2.01		mg/L		94	75 - 125
Beryllium	<0.0010		0.0500	0.0481		mg/L		96	75 - 125
Calcium	120		10.0	120	4	mg/L		-4	75 - 125
Cadmium	<0.00050		0.0500	0.0469		mg/L		94	75 - 125
Cobalt	0.0010		0.500	0.445		mg/L		89	75 - 125
Chromium	<0.0050		0.200	0.185		mg/L		91	75 - 125
Molybdenum	0.018		1.00	0.951		mg/L		93	75 - 125
Antimony	<0.0030		0.500	0.485		mg/L		97	75 - 125
Selenium	0.0046		0.100	0.0850		mg/L		80	75 - 125
Thallium	<0.0020		0.100	0.101		mg/L		101	75 - 125

Lab Sample ID: 500-241308-1 MS
Matrix: Water
Analysis Batch: 741354

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.2		1.00	2.20		mg/L		104	75 - 125

Lab Sample ID: 500-241308-1 MS
Matrix: Water
Analysis Batch: 741449

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.0011		0.100	0.103		mg/L		102	75 - 125
Lithium	<0.010		0.500	0.501		mg/L		98	75 - 125

Lab Sample ID: 500-241308-1 MSD
Matrix: Water
Analysis Batch: 740420

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0014		0.100	0.0922		mg/L		91	75 - 125	2	20
Barium	0.12	B	2.00	2.09		mg/L		98	75 - 125	4	20
Beryllium	<0.0010		0.0500	0.0490		mg/L		98	75 - 125	2	20
Calcium	120		10.0	122	4	mg/L		17	75 - 125	2	20
Cadmium	<0.00050		0.0500	0.0481		mg/L		96	75 - 125	2	20
Cobalt	0.0010		0.500	0.464		mg/L		93	75 - 125	4	20
Chromium	<0.0050		0.200	0.191		mg/L		94	75 - 125	3	20
Molybdenum	0.018		1.00	0.969		mg/L		95	75 - 125	2	20
Antimony	<0.0030		0.500	0.490		mg/L		98	75 - 125	1	20
Selenium	0.0046		0.100	0.0860		mg/L		81	75 - 125	1	20
Thallium	<0.0020		0.100	0.107		mg/L		107	75 - 125	6	20

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

Lab Sample ID: 500-241308-1 MSD
Matrix: Water
Analysis Batch: 741354

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.2		1.00	2.17		mg/L		102	75 - 125	1	20

Lab Sample ID: 500-241308-1 MSD
Matrix: Water
Analysis Batch: 741449

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.0011		0.100	0.108		mg/L		106	75 - 125	4	20
Lithium	<0.010		0.500	0.506		mg/L		99	75 - 125	1	20

Lab Sample ID: 500-241308-1 DU
Matrix: Water
Analysis Batch: 740420

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.0014		0.00139		mg/L		1	20
Barium	0.12	B	0.119		mg/L		0.3	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Calcium	120		120		mg/L		0.8	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	0.018		0.0171		mg/L		2	20
Antimony	<0.0030		<0.0030		mg/L		NC	20
Selenium	0.0046		0.00435		mg/L		6	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-241308-1 DU
Matrix: Water
Analysis Batch: 741354

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	1.2		1.14		mg/L		0.8	20

Lab Sample ID: 500-241308-1 DU
Matrix: Water
Analysis Batch: 741449

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 739507

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	0.0011		0.00113		mg/L		6	20
Lithium	<0.010		<0.010		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-740936/12-A
Matrix: Water
Analysis Batch: 741264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/07/23 10:10	11/08/23 13:39	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 500-740936/13-A
Matrix: Water
Analysis Batch: 741264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740936

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00201	0.00205		mg/L		102	80 - 120		

Lab Sample ID: 500-241308-9 MS
Matrix: Water
Analysis Batch: 741264

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 740936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.00020		0.00100	0.000989		mg/L		99	75 - 125		

Lab Sample ID: 500-241308-9 MSD
Matrix: Water
Analysis Batch: 741264

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 740936

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

Lab Sample ID: 500-241308-9 DU
Matrix: Water
Analysis Batch: 741264

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 740936

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 500-738460/1
Matrix: Water
Analysis Batch: 738460

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			10/23/23 17:39	1

Lab Sample ID: LCS 500-738460/2
Matrix: Water
Analysis Batch: 738460

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

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

Lab Sample ID: MB 500-738473/1
Matrix: Water
Analysis Batch: 738473

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			10/23/23 19:23	1

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

Lab Sample ID: LCS 500-738473/2
Matrix: Water
Analysis Batch: 738473

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

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

Lab Sample ID: 500-241308-2 MS
Matrix: Water
Analysis Batch: 738473

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	970		250	1180		mg/L		85	75 - 125

Lab Sample ID: 500-241308-2 DU
Matrix: Water
Analysis Batch: 738473

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	970		952		mg/L		1	5

Lab Sample ID: 500-241308-3 DU
Matrix: Water
Analysis Batch: 738473

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1160		mg/L		4	5

Lab Sample ID: MB 500-738886/1
Matrix: Water
Analysis Batch: 738886

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			10/25/23 20:46	1

Lab Sample ID: LCS 500-738886/2
Matrix: Water
Analysis Batch: 738886

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 500-738855/106
Matrix: Water
Analysis Batch: 738855

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			10/25/23 14:24	1

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

Lab Sample ID: LCS 500-738855/107
Matrix: Water
Analysis Batch: 738855

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	20.6		mg/L		103	85 - 115		

Lab Sample ID: MB 500-739652/16
Matrix: Water
Analysis Batch: 739652

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			10/30/23 11:30	1

Lab Sample ID: LCS 500-739652/17
Matrix: Water
Analysis Batch: 739652

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	20.2		mg/L		101	85 - 115		

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-741591/3
Matrix: Water
Analysis Batch: 741591

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			11/09/23 11:39	1

Lab Sample ID: LCS 500-741591/4
Matrix: Water
Analysis Batch: 741591

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			10.0	9.96		mg/L		100	90 - 119		

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-738638/16
Matrix: Water
Analysis Batch: 738638

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			10/24/23 10:54	1

Lab Sample ID: MB 500-738638/58
Matrix: Water
Analysis Batch: 738638

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			10/24/23 11:25	1

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

Lab Sample ID: LCS 500-738638/17
Matrix: Water
Analysis Batch: 738638

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	19.9		mg/L		99	88 - 123

Lab Sample ID: LCS 500-738638/59
Matrix: Water
Analysis Batch: 738638

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

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

Lab Sample ID: MB 500-741760/73
Matrix: Water
Analysis Batch: 741760

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			11/12/23 12:43	1

Lab Sample ID: LCS 500-741760/74
Matrix: Water
Analysis Batch: 741760

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.4		mg/L		102	88 - 123

Lab Sample ID: MB 500-741949/195
Matrix: Water
Analysis Batch: 741949

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			11/13/23 16:46	1

Lab Sample ID: LCS 500-741949/196
Matrix: Water
Analysis Batch: 741949

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	19.0		mg/L		95	88 - 123

Lab Sample ID: 500-241308-10 MS
Matrix: Water
Analysis Batch: 741949

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	510		20.0	523	4	mg/L		71	75 - 125

Lab Sample ID: 500-241308-10 MSD
Matrix: Water
Analysis Batch: 741949

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	510		20.0	525	4	mg/L		81	75 - 125	0	20

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

Chain of Custody Record

MKE 232

eurofins

Client Information	Sampler: IAN JOHN HOWLETT	Lab PM: Mockler Diana J	Carrier Tracking No(s):	COC No: 500-117185-45943 1
Client Contact: Patrick Allenstein	Phone: 630 240 6850	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:			Job #: 500-241308

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#:

500-241308 COC

Analysis Requested

Preservation Codes

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	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:		X	X	D	D	N	X	
	MW-01				Water							
	MW-02				Water							
	MW-03				Water							
	MW-04				Water							
	MW-07				Water							
	MW-08				Water							
	MW-09				Water							
1	MW-13	10-19-23	13:12	G	Water	N	N	X	X	X	5	
2	MW-14	10-19-23	13:53	G	Water	N	N	X	X	X	5	
3	MW-15	10-19-23	14:43	G	Water	N	N	X	X	X	5	
4	1N/1S Duplicate	10-19-23	—	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:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	10-19-23 16:30	KPRG			
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
			Received by:	10/19/23 1630	EETA

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		4.5 → 4.3, 3.8 → 3.6

Ver 06/08/2022

11/14/2023

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

Chain of Custody Record

MKE 232

eurofins | Environment Testing

Client Information	Sampler: IAN SETH HOWICSON	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-117185-45943 1
Client Contact: Patrick Allenstein	Phone: 630 290 6850	E-Mail: Diana Mockler@et eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:	Analysis Requested		Job #: 500-241308
Address: 14665 West Lisbon Road, Suite 1A	Due Date Requested			Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R Na2S2O3; S - H2SO4; T TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
City: Brookfield	TAT Requested (days)			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 500-241308 COC	PO #: 4502116506			
Email: patricka@kprginc.com	WO #:			
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring	Project #: 50011609 CCR			
Site: Illinois	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	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	10-23-23	08:56	G	Water	N	N	X	X	X	5	
MW-02	10-23-23	10:13	G	Water	N	N	X	X	X	5	
MW-03	10-23-23	11:40	G	Water	N	N	X	X	X	5	
MW-04	10-23-23	12:54	G	Water	N	N	X	X	X	5	
MW-07	10-23-23	14:16	G	Water	N	N	X	X	X	5	
MW-08				Water							
MW-09				Water							
MW-13				Water							
MW-14				Water							
MW-15				Water							
1N/1S Duplicate				Water							

5678 9

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	[signature]	10-23-23 16:25	KPRG	[signature]	10/23/23 1625	EETA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:
		2.5-2.3, 2.3-2.4

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

Chain of Custody Record

MKE 232

eurofins | Environment Testing

Client Information	Sampler: [illegible]	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-117185-45943 1
Client Contact: Patrick Allenstein	Phone: 630 290 8850	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:	Analysis Requested		Job #: 500-24308
Address: 14665 West Lisbon Road, Suite 1A	Due Date Requested:			Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N None; O - AsNaO2; P Na2O4S; Q - Na2SO3; R Na2S2O3; S H2SO4; T TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y Trizma; Z - other (specify); Other:
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 CCR			
Site: Illinois	SSOW#:			

500-241308 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	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							
MW-04				Water							
MW-07				Water							
MW-08	10-24-23	14:37	G	Water	N	N	X	X	X	5	
MW-09	10-24-23	13:00	G	Water	N	N	X	X	X	5	
MW-13				Water							
MW-14				Water							
MW-15				Water							
1N/1S Duplicate				Water							

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10-25-23 0930	KPRG	[signature]	10/25/23 0930	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: 1.9 → 1.8

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-241308-1

Login Number: 241308
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.3,3.6,2.3,2.1,1.8
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 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-13
Date Collected: 10/19/23 13:12
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 14:50
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 10:28
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 15:35
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 15:35
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 13:43
Total/NA	Analysis	SM 2540C		1	738460	CLB	EET CHI	10/23/23 18:38
Total/NA	Analysis	SM 4500 Cl- E		20	738855	TR	EET CHI	10/25/23 14:53
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 11:50
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 11:44

Client Sample ID: MW-14
Date Collected: 10/19/23 13:53
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 15:20
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 10:49
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:04
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:04
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 13:45
Total/NA	Analysis	SM 2540C		1	738473	CLB	EET CHI	10/23/23 19:28
Total/NA	Analysis	SM 4500 Cl- E		10	738855	TR	EET CHI	10/25/23 14:55
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 11:55
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 11:44

Client Sample ID: MW-15
Date Collected: 10/19/23 14:43
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 15:24
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 10:54

Client Sample ID: MW-15

Lab Sample ID: 500-241308-3

Date Collected: 10/19/23 14:43

Matrix: Water

Date Received: 10/19/23 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:08
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:08
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 13:47
Total/NA	Analysis	SM 2540C		1	738473	CLB	EET CHI	10/23/23 19:35
Total/NA	Analysis	SM 4500 Cl- E		10	738855	TR	EET CHI	10/25/23 14:54
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 11:59
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 11:01

Client Sample ID: 1N/1S Duplicate

Lab Sample ID: 500-241308-4

Date Collected: 10/19/23 00:00

Matrix: Water

Date Received: 10/19/23 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 15:28
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 10:58
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:12
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:12
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 13:54
Total/NA	Analysis	SM 2540C		1	738473	CLB	EET CHI	10/23/23 19:41
Total/NA	Analysis	SM 4500 Cl- E		10	738855	TR	EET CHI	10/25/23 14:54
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 12:03
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 10:57

Client Sample ID: MW-01

Lab Sample ID: 500-241308-5

Date Collected: 10/23/23 08:56

Matrix: Water

Date Received: 10/23/23 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 15:32
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 11:11
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:16
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:16

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-01

Date Collected: 10/23/23 08:56
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 13:56
Total/NA	Analysis	SM 2540C		1	738886	CLB	EET CHI	10/25/23 21:04
Total/NA	Analysis	SM 4500 Cl- E		1	738855	TR	EET CHI	10/25/23 14:27
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 12:08
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 10:57

Client Sample ID: MW-02

Date Collected: 10/23/23 10:13
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 15:37
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 11:15
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:20
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:20
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 13:58
Total/NA	Analysis	SM 2540C		1	738886	CLB	EET CHI	10/25/23 21:06
Total/NA	Analysis	SM 4500 Cl- E		1	738855	TR	EET CHI	10/25/23 14:27
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 12:12
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 10:57

Client Sample ID: MW-03

Date Collected: 10/23/23 11:40
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 15:41
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 11:19
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:33
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:33
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 14:00
Total/NA	Analysis	SM 2540C		1	738886	CLB	EET CHI	10/25/23 21:09
Total/NA	Analysis	SM 4500 Cl- E		1	738855	TR	EET CHI	10/25/23 14:24

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-03

Date Collected: 10/23/23 11:40
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 12:17
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 10:59

Client Sample ID: MW-04

Date Collected: 10/23/23 12:54
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 15:45
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 11:23
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:37
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:37
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 14:02
Total/NA	Analysis	SM 2540C		1	738886	CLB	EET CHI	10/25/23 21:11
Total/NA	Analysis	SM 4500 Cl- E		1	738855	TR	EET CHI	10/25/23 14:27
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 12:21
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 10:56

Client Sample ID: MW-07

Date Collected: 10/23/23 14:16
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 15:57
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 11:27
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:41
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:41
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 14:04
Total/NA	Analysis	SM 2540C		1	738886	CLB	EET CHI	10/25/23 21:14
Total/NA	Analysis	SM 4500 Cl- E		20	738855	TR	EET CHI	10/25/23 14:55
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 12:37
Total/NA	Analysis	SM 4500 SO4 E		20	738638	TR	EET CHI	10/24/23 10:56

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-1

Client Sample ID: MW-08

Date Collected: 10/24/23 14:37
Date Received: 10/25/23 09:30

Lab Sample ID: 500-241308-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 16:01
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 11:31
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:45
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:45
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 14:13
Total/NA	Analysis	SM 2540C		1	738886	CLB	EET CHI	10/25/23 21:17
Total/NA	Analysis	SM 4500 Cl- E		20	739652	TR	EET CHI	10/30/23 12:38
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 12:41
Total/NA	Analysis	SM 4500 SO4 E		20	741949	TR	EET CHI	11/13/23 16:58

Client Sample ID: MW-09

Date Collected: 10/24/23 13:00
Date Received: 10/25/23 09:30

Lab Sample ID: 500-241308-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	740420	BJH	EET CHI	11/02/23 16:05
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		5	741354	BJH	EET CHI	11/08/23 11:36
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741354	BJH	EET CHI	11/08/23 16:50
Total Recoverable	Prep	3005A			739507	BDE	EET CHI	10/30/23 09:10 - 10/30/23 09:40 [1]
Total Recoverable	Analysis	6020B		1	741449	BJH	EET CHI	11/08/23 16:50
Total/NA	Prep	7470A			740936	MJG	EET CHI	11/07/23 10:10 - 11/07/23 12:10 [1]
Total/NA	Analysis	7470A		1	741264	MJG	EET CHI	11/08/23 14:31
Total/NA	Analysis	SM 2540C		1	738886	CLB	EET CHI	10/25/23 21:19
Total/NA	Analysis	SM 4500 Cl- E		20	739652	TR	EET CHI	10/30/23 12:38
Total/NA	Analysis	SM 4500 F C		1	741591	SO	EET CHI	11/09/23 12:45
Total/NA	Analysis	SM 4500 SO4 E		20	741760	TR	EET CHI	11/12/23 14:44

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

Laboratory References:

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/27/2023 9:02:25 AM

JOB DESCRIPTION

Will County CCR 1N/1S

JOB NUMBER

500-241308-2

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
11/27/2023 9:02:25 AM

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

Table of Contents

Job ID: 500-241308-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-241308-2

Receipt
The samples were received on 10/19/2023 4:30 PM, 10/23/2023 4:25 PM and 10/25/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.8°C, 2.1°C, 2.3°C, 3.6°C and 4.3°C

Gas Flow Proportional Counter
Method 904.0: Radium-228 batch 633892
The LCS recovered at (127%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (63-150%) per method requirements. The LCS passes, no further action is required. (LCS 160-633892/2-A)

Method 904.0: Radium-228 batch 633892
The method blank (MB) has activity above the MDC and RL. The following associated samples are either below the reporting limit for the contaminant or exhibit concentrations greater than five (5) times the concentrations observed in the MB), therefore, re-analysis is not required. The data have been reported. (MB 160-633892/1-A)

Method 904.0: Radium-228 batch 633892
The detection goal was not met for the sample duplicate. However the purpose of the DUP is to demonstrate batch precision. The precision was within control limits demonstrating no adverse effect from the discrepancy. (500-241542-E-1-B DU)

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

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

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 1N/1S

Job ID: 500-241308-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-241308-1	MW-13	Water	10/19/23 13:12	10/19/23 16:30
500-241308-2	MW-14	Water	10/19/23 13:53	10/19/23 16:30
500-241308-3	MW-15	Water	10/19/23 14:43	10/19/23 16:30
500-241308-4	1N/1S Duplicate	Water	10/19/23 00:00	10/19/23 16:30
500-241308-5	MW-01	Water	10/23/23 08:56	10/23/23 16:25
500-241308-6	MW-02	Water	10/23/23 10:13	10/23/23 16:25
500-241308-7	MW-03	Water	10/23/23 11:40	10/23/23 16:25
500-241308-8	MW-04	Water	10/23/23 12:54	10/23/23 16:25
500-241308-9	MW-07	Water	10/23/23 14:16	10/23/23 16:25
500-241308-10	MW-08	Water	10/24/23 14:37	10/25/23 09:30
500-241308-11	MW-09	Water	10/24/23 13:00	10/25/23 09:30

Client Sample ID: MW-13

Date Collected: 10/19/23 13:12
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-1

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	0.189		0.131	0.132	1.00	0.185	pCi/L	10/24/23 10:16	11/16/23 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*10/24/23 10:16*	*11/16/23 09:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.702		0.438	0.442	1.00	0.642	pCi/L	10/24/23 10:21	11/10/23 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:26*	*1*
Y Carrier	*85.2*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:26*	*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	0.891		0.457	0.461	5.00	0.642	pCi/L		11/21/23 13:49	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-14
Date Collected: 10/19/23 13:53
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-2
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	0.564		0.146	0.155	1.00	0.109	pCi/L	10/24/23 10:16	11/16/23 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*10/24/23 10:16*	*11/16/23 09:48*	*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	1.04		0.372	0.384	1.00	0.436	pCi/L	10/24/23 10:21	11/10/23 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:26*	*1*
Y Carrier	*83.4*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:26*	*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	1.61		0.400	0.414	5.00	0.436	pCi/L		11/21/23 13:49	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-15

Date Collected: 10/19/23 14:43
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-3

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	0.235		0.110	0.112	1.00	0.131	pCi/L	10/24/23 10:16	11/16/23 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*10/24/23 10:16*	*11/16/23 09:48*	*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	0.789		0.357	0.365	1.00	0.476	pCi/L	10/24/23 10:21	11/10/23 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:26*	*1*
Y Carrier	*85.2*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:26*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.02		0.374	0.382	5.00	0.476	pCi/L		11/21/23 13:49	1

Client Sample ID: 1N/1S Duplicate

Date Collected: 10/19/23 00:00
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-4

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	0.590		0.171	0.179	1.00	0.176	pCi/L	10/24/23 10:16	11/16/23 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*10/24/23 10:16*	*11/16/23 09:48*	*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	1.23		0.464	0.478	1.00	0.600	pCi/L	10/24/23 10:21	11/10/23 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:26*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:26*	*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	1.82		0.495	0.510	5.00	0.600	pCi/L		11/21/23 13:49	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-01

Date Collected: 10/23/23 08:56
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-5

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	0.188		0.0803	0.0821	1.00	0.0800	pCi/L	10/26/23 07:12	11/20/23 19:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*10/26/23 07:12*	*11/20/23 19:12*	*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	0.380	U	0.387	0.389	1.00	0.625	pCi/L	10/26/23 07:12	11/01/23 16:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:19*	*1*
Y Carrier	*77.0*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:19*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.569	U	0.395	0.398	5.00	0.625	pCi/L		11/21/23 16:13	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-02
Date Collected: 10/23/23 10:13
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-6
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	**0.369**		0.105	0.110	1.00	0.0880	pCi/L	10/26/23 07:12	11/20/23 19:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*10/26/23 07:12*	*11/20/23 19:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.357	U	0.332	0.333	1.00	0.526	pCi/L	10/26/23 07:12	11/01/23 16:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:20*	*1*
Y Carrier	*77.0*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:20*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.726**		0.348	0.351	5.00	0.526	pCi/L		11/21/23 16:13	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-03
Date Collected: 10/23/23 11:40
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-7
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	0.549		0.130	0.139	1.00	0.0935	pCi/L	10/26/23 07:12	11/20/23 19:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/26/23 07:12*	*11/20/23 19:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.36		0.490	0.506	1.00	0.601	pCi/L	10/26/23 07:12	11/01/23 16:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:21*	*1*
Y Carrier	*76.6*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:21*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.90		0.507	0.525	5.00	0.601	pCi/L		11/21/23 16:13	1

Client Sample ID: MW-04

Date Collected: 10/23/23 12:54
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-8

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	0.190		0.0874	0.0891	1.00	0.103	pCi/L	10/26/23 07:12	11/20/23 19:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*30 - 110*	*10/26/23 07:12*	*11/20/23 19:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.733		0.405	0.411	1.00	0.571	pCi/L	10/26/23 07:12	11/01/23 16:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:21*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:21*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.923		0.414	0.421	5.00	0.571	pCi/L		11/21/23 16:13	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-07

Date Collected: 10/23/23 14:16
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-9

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	0.326		0.115	0.119	1.00	0.108	pCi/L	10/30/23 11:09	11/21/23 07:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.762		0.396	0.403	1.00	0.554	pCi/L	10/30/23 11:16	11/14/23 11:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:40*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:40*	*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	1.09		0.412	0.420	5.00	0.554	pCi/L		11/21/23 16:13	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-08

Date Collected: 10/24/23 14:37
Date Received: 10/25/23 09:30

Lab Sample ID: 500-241308-10

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	0.229		0.101	0.103	1.00	0.119	pCi/L	10/27/23 10:35	11/20/23 14:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/27/23 10:35*	*11/20/23 14:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.798		0.365	0.372	1.00	0.474	pCi/L	10/27/23 10:40	11/13/23 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/27/23 10:40*	*11/13/23 11:57*	*1*
Y Carrier	*86.7*		*30 - 110*	*10/27/23 10:40*	*11/13/23 11:57*	*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	1.03		0.379	0.386	5.00	0.474	pCi/L		11/21/23 13:27	1

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-09

Date Collected: 10/24/23 13:00
Date Received: 10/25/23 09:30

Lab Sample ID: 500-241308-11

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	0.0478	U	0.0656	0.0657	1.00	0.111	pCi/L	10/27/23 10:35	11/20/23 14:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/27/23 10:35*	*11/20/23 14:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.381	U	0.368	0.370	1.00	0.588	pCi/L	11/14/23 11:04	11/22/23 16:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*11/14/23 11:04*	*11/22/23 16:18*	*1*
Y Carrier	*80.0*		*30 - 110*	*11/14/23 11:04*	*11/22/23 16:18*	*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	0.429	U	0.374	0.376	5.00	0.588	pCi/L		11/22/23 21:51	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

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: 633154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total/NA	Water	PrecSep-21	
500-241308-2	MW-14	Total/NA	Water	PrecSep-21	
500-241308-3	MW-15	Total/NA	Water	PrecSep-21	
500-241308-4	1N/1S Duplicate	Total/NA	Water	PrecSep-21	
MB 160-633154/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-633154/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 633155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-1	MW-13	Total/NA	Water	PrecSep_0	
500-241308-2	MW-14	Total/NA	Water	PrecSep_0	
500-241308-3	MW-15	Total/NA	Water	PrecSep_0	
500-241308-4	1N/1S Duplicate	Total/NA	Water	PrecSep_0	
MB 160-633155/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-633155/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 633550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-5	MW-01	Total/NA	Water	PrecSep-21	
500-241308-6	MW-02	Total/NA	Water	PrecSep-21	
500-241308-7	MW-03	Total/NA	Water	PrecSep-21	
500-241308-8	MW-04	Total/NA	Water	PrecSep-21	
MB 160-633550/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-633550/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-241308-5 DU	MW-01	Total/NA	Water	PrecSep-21	

Prep Batch: 633552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-5	MW-01	Total/NA	Water	PrecSep_0	
500-241308-6	MW-02	Total/NA	Water	PrecSep_0	
500-241308-7	MW-03	Total/NA	Water	PrecSep_0	
500-241308-8	MW-04	Total/NA	Water	PrecSep_0	
MB 160-633552/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-633552/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-241308-5 DU	MW-01	Total/NA	Water	PrecSep_0	

Prep Batch: 633889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-10	MW-08	Total/NA	Water	PrecSep-21	
500-241308-11	MW-09	Total/NA	Water	PrecSep-21	
MB 160-633889/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-633889/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 633892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-10	MW-08	Total/NA	Water	PrecSep_0	
MB 160-633892/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-633892/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Rad

Prep Batch: 634316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-9	MW-07	Total/NA	Water	PrecSep-21	
MB 160-634316/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-634316/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-241308-9 DU	MW-07	Total/NA	Water	PrecSep-21	

Prep Batch: 634318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-9	MW-07	Total/NA	Water	PrecSep_0	
MB 160-634318/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-634318/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-241308-9 DU	MW-07	Total/NA	Water	PrecSep_0	

Prep Batch: 636830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241308-11	MW-09	Total/NA	Water	PrecSep_0	
MB 160-636830/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-636830/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-241308-11 DU	MW-09	Total/NA	Water	PrecSep_0	

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-633154/1-A
Matrix: Water
Analysis Batch: 637230

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633154

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06137	U	0.0775	0.0777	1.00	0.129	pCi/L	10/24/23 10:16	11/16/23 09:46	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*10/24/23 10:16*	*11/16/23 09:46*	*1*

Lab Sample ID: LCS 160-633154/2-A
Matrix: Water
Analysis Batch: 637230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633154

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.77		1.14	1.00	0.141	pCi/L	95	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.0*		*30 - 110*

Lab Sample ID: MB 160-633550/1-A
Matrix: Water
Analysis Batch: 637570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633550

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01343	U	0.0350	0.0350	1.00	0.0681	pCi/L	10/26/23 07:12	11/20/23 19:12	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*10/26/23 07:12*	*11/20/23 19:12*	*1*

Lab Sample ID: LCS 160-633550/2-A
Matrix: Water
Analysis Batch: 637570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633550

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	12.42		1.26	1.00	0.0854	pCi/L	110	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.7*		*30 - 110*

Lab Sample ID: 500-241308-5 DU
Matrix: Water
Analysis Batch: 637570

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 633550

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.188			0.1307		0.0705	1.00	0.0809	pCi/L			0.38	1

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

Lab Sample ID: 500-241308-5 DU
Matrix: Water
Analysis Batch: 637570

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 633550

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	90.7		30 - 110

Lab Sample ID: MB 160-633889/1-A
Matrix: Water
Analysis Batch: 637571

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633889

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01199	U	0.0475	0.0476	1.00	0.107	pCi/L	10/27/23 10:35	11/20/23 14:38	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110	10/27/23 10:35	11/20/23 14:38	1

Lab Sample ID: LCS 160-633889/2-A
Matrix: Water
Analysis Batch: 637571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633889

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.27		1.09	1.00	0.128	pCi/L	91	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	98.2		30 - 110

Lab Sample ID: MB 160-634316/1-A
Matrix: Water
Analysis Batch: 637608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634316

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02312	U	0.0573	0.0573	1.00	0.107	pCi/L	10/30/23 11:09	11/21/23 07:10	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.7		30 - 110	10/30/23 11:09	11/21/23 07:10	1

Lab Sample ID: LCS 160-634316/2-A
Matrix: Water
Analysis Batch: 637608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634316

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.93		1.15	1.00	0.105	pCi/L	96	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	92.2		30 - 110

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

Lab Sample ID: 500-241308-9 DU
Matrix: Water
Analysis Batch: 637608

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 634316

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.326			0.4837		0.153	1.00	0.152	pCi/L			0.58	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.9*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-633155/1-A
Matrix: Water
Analysis Batch: 636369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633155

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1591	U	0.268	0.269	1.00	0.461	pCi/L	10/24/23 10:21	11/10/23 11:29	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:29*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/24/23 10:21*	*11/10/23 11:29*	*1*

Lab Sample ID: LCS 160-633155/2-A
Matrix: Water
Analysis Batch: 636369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633155

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.73	7.349		1.04	1.00	0.414	pCi/L	95	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.0*		*30 - 110*
Y Carrier	*84.1*		*30 - 110*

Lab Sample ID: MB 160-633552/1-A
Matrix: Water
Analysis Batch: 634757

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633552

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5160		0.340	0.343	1.00	0.499	pCi/L	10/26/23 07:12	11/01/23 16:19	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:19*	*1*
Y Carrier	*80.0*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:19*	*1*

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

Lab Sample ID: LCS 160-633552/2-A
Matrix: Water
Analysis Batch: 634757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633552

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.75	8.862		1.26	1.00	0.505	pCi/L	114	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.7*		*30 - 110*
Y Carrier	*76.6*		*30 - 110*

Lab Sample ID: 500-241308-5 DU
Matrix: Water
Analysis Batch: 634757

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 633552

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.380	U		0.2240	U	0.412	1.00	0.707	pCi/L			0.20	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*90.7*		*30 - 110*
Y Carrier	*72.5*		*30 - 110*

Lab Sample ID: MB 160-633892/1-A
Matrix: Water
Analysis Batch: 636666

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633892

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.064		0.412	0.423	1.00	0.513	pCi/L	10/27/23 10:40	11/13/23 11:51	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*10/27/23 10:40*	*11/13/23 11:51*	*1*
Y Carrier	*79.3*		*30 - 110*	*10/27/23 10:40*	*11/13/23 11:51*	*1*

Lab Sample ID: LCS 160-633892/2-A
Matrix: Water
Analysis Batch: 636666

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633892

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.72	9.798		1.30	1.00	0.441	pCi/L	127	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.2*		*30 - 110*
Y Carrier	*82.2*		*30 - 110*

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

Lab Sample ID: MB 160-634318/1-A
Matrix: Water
Analysis Batch: 636700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634318

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5457	U	0.405	0.408	1.00	0.623	pCi/L	10/30/23 11:16	11/14/23 11:40	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.7		30 - 110	10/30/23 11:16	11/14/23 11:40	1
Y Carrier	78.5		30 - 110	10/30/23 11:16	11/14/23 11:40	1

Lab Sample ID: LCS 160-634318/2-A
Matrix: Water
Analysis Batch: 636700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634318

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.72	9.100		1.27	1.00	0.605	pCi/L	118	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	92.2		30 - 110
Y Carrier	84.9		30 - 110

Lab Sample ID: 500-241308-9 DU
Matrix: Water
Analysis Batch: 636700

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 634318

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.762			1.029		0.414	1.00	0.509	pCi/L			0.33	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	92.9		30 - 110
Y Carrier	84.1		30 - 110

Lab Sample ID: MB 160-636830/1-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636830

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2584	U	0.317	0.318	1.00	0.524	pCi/L	11/14/23 11:04	11/22/23 16:17	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110	11/14/23 11:04	11/22/23 16:17	1
Y Carrier	80.4		30 - 110	11/14/23 11:04	11/22/23 16:17	1

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

Lab Sample ID: LCS 160-636830/2-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636830

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.70	8.437		1.22	1.00	0.527	pCi/L	110	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.0*		*30 - 110*
Y Carrier	*83.7*		*30 - 110*

Lab Sample ID: 500-241308-11 DU
Matrix: Water
Analysis Batch: 637957

Client Sample ID: MW-09
Prep Type: Total/NA
Prep Batch: 636830

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.381	U		0.5387	U	0.388	1.00	0.587	pCi/L			0.21	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*101*		*30 - 110*
Y Carrier	*82.6*		*30 - 110*

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

Chain of Custody Record

MKE 232

eurofins

Client Information	Sampler: IAN JOHN HOWLETT	Lab PM: Mockler Diana J	Carrier Tracking No(s):	COC No: 500-117185-45943 1
Client Contact: Patrick Allenstein	Phone: 630 240 6850	E-Mail: Diana Mockler@et eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:			Job #: 500-241308

Address: 14665 West Lisbon Road, Suite 1A
City: Brookfield
State Zip: WI, 53005
Phone:
Email: patricka@kprginc com
500-241308 COC

Project Name: Will County 1N/1S Event Desc. Quarterly GW Monitoring
Site: Illinois

Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 4502116506
WO #:
Project #: 50011609
SSOW#:

Analysis Requested

Preservation Codes

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	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:		X	X	D	D	N	X	
MW-01				Water							
MW-02				Water							
MW-03				Water							
MW-04				Water							
MW-07				Water							
MW-08				Water							
MW-09				Water							
1 MW-13	10-19-23	13:12	G	Water	N	N	X	X	X	5	
2 MW-14	10-19-23	13:53	G	Water	N	N	X	X	X	5	
3 MW-15	10-19-23	14:43	G	Water	N	N	X	X	X	5	
4 1N/1S Duplicate	10-19-23	—	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:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	10-19-23 16:30	KPRG			
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
				10/19/23 1630	EETA

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:
		4.5 → 4.3, 3.8 → 3.6

Ver 06/08/2022

11/27/2023

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

Chain of Custody Record

MKE 232

eurofins | Environment Testing

Client Information	Sampler: IAN SETH HOWICSON	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-117185-45943 1
Client Contact: Patrick Allenstein	Phone: 630 290 6850	E-Mail: Diana Mockler@et eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:	Analysis Requested		Job #: 500-241308
Address: 14665 West Lisbon Road, Suite 1A	Due Date Requested			Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R Na2S2O3; S - H2SO4; T TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
City: Brookfield	TAT Requested (days)			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 500-241308 COC	PO #: 4502116506			
Email: patricka@kprginc.com	WO #:			
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring	Project #: 50011609 CCR			
Site: Illinois	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	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	10-23-23	08:56	G	Water	N	N	X	X	X	5	
MW-02	10-23-23	10:13	G	Water	N	N	X	X	X	5	
MW-03	10-23-23	11:40	G	Water	N	N	X	X	X	5	
MW-04	10-23-23	12:54	G	Water	N	N	X	X	X	5	
MW-07	10-23-23	14:16	G	Water	N	N	X	X	X	5	
MW-08				Water							
MW-09				Water							
MW-13				Water							
MW-14				Water							
MW-15				Water							
1N/1S Duplicate				Water							

5678 9

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	[signature]	10-23-23 16:25	KPRG	[signature]	10/23/23 1625	EETA
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.5-2.3, 2.3-2.4

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

Chain of Custody Record

MKE 232

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Client Information	Sampler: Jason Sean Howison	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-117185-45943 1
Client Contact: Patrick Allenstein	Phone: 630 290 6850	E-Mail: Diana Mockler@et eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:	Analysis Requested		Job #: 500-241308

Address: 14665 West Lisbon Road, Suite 1A
City: Brookfield
State, Zip: WI, 53005
Phone:
Email: patricka@kprginc.com
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring
Site: Illinois

500-241308 COC

Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 4502116506
WO #:
Project #: 50011609 CCR
SSOW#:

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	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							
MW-04	—	—	—	Water							
MW-07	—	—	—	Water							
10 MW-08	10-24-23	14:37	G	Water	N	N	X	X	X	5	
11 MW-09	10-24-23	13:00	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	Company	Received by	Date/Time	Company
[signature]	10-25-23 09:30	KPRG	[signature]	10/25/23 0930	EETA

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

Ver: 06/08/2021 11/27/2023

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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: 500-180527.1
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 #: 500-241308-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/8/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Will County CCR 1N/1S	Project #: 50011609			
Site: NRG Midwest Generation Will County	SSOW#:			

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

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
Preservation Code:											
MW-13 (500-241308-1)	10/19/23	13:12 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-14 (500-241308-2)	10/19/23	13:53 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-15 (500-241308-3)	10/19/23	14:43 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
1N/1S Duplicate (500-241308-4)	10/19/23	Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.

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

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

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Shin Scott Fedex	10/20/23 1515				
2	Relinquished by: Fedex	Date/Time:	Company	Received by: M. Pinette Fedex	Date/Time: OCT 23 2023 0920	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-180644.1
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 #: 500-241308-1
Address: 13715 Rider Trail North,	Due Date Requested: 11/8/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Will County CCR 1N/1S	Project #: 50011609			
Site: NRG Midwest Generation Will County	SSOW#:			

Analysis Requested

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-01 (500-241308-5)	10/23/23	08:56 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-02 (500-241308-6)	10/23/23	10:13 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-03 (500-241308-7)	10/23/23	11:40 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-04 (500-241308-8)	10/23/23	12:54 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-07 (500-241308-9)	10/23/23	14:16 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

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

Possible Hazard Identification
Unconfirmed

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:
Relinquished by: [signature]	Date/Time: 10/24/23 1520	Company	Received by: M. Pinotto Fedex	Date/Time:	Company
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: OCT 2 5 2023 1050	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: 500-180694.1
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 #: 500-241308-2
Address: 13715 Rider Trail North,	Due Date Requested: 11/20/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Will County CCR 1N/1S	Project #: 50011609			
Site: NRG Midwest Generation Will County	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-08 (500-241308-10)	10/24/23	14:37 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-09 (500-241308-11)	10/24/23	13:00 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]	10/25/23 1530	EETA	FED EX		
2	FED EX			[signature] Worthington	OCT 26 2023 0840	
3						

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-241308-2

Login Number: 241308
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.3,3.6,2.3,2.1,1.8
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: 500-241308-2

Login Number: 241308
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/23/23 02:26 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-241308-2

Login Number: 241308
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/25/23 02:53 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-241308-2

Login Number: 241308
List Number: 4
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/26/23 02:54 PM

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

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-13
Date Collected: 10/19/23 13:12
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633154	KAC	EET SL	10/24/23 10:16
Total/NA	Analysis	903.0		1	637230	FLC	EET SL	11/16/23 09:47
Total/NA	Prep	PrecSep_0			633155	KAC	EET SL	10/24/23 10:21
Total/NA	Analysis	904.0		1	636198	SCB	EET SL	11/10/23 11:26
Total/NA	Analysis	Ra226_Ra228		1	637755	SCB	EET SL	11/21/23 13:49

Client Sample ID: MW-14
Date Collected: 10/19/23 13:53
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633154	KAC	EET SL	10/24/23 10:16
Total/NA	Analysis	903.0		1	637230	FLC	EET SL	11/16/23 09:48
Total/NA	Prep	PrecSep_0			633155	KAC	EET SL	10/24/23 10:21
Total/NA	Analysis	904.0		1	636198	SCB	EET SL	11/10/23 11:26
Total/NA	Analysis	Ra226_Ra228		1	637755	SCB	EET SL	11/21/23 13:49

Client Sample ID: MW-15
Date Collected: 10/19/23 14:43
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633154	KAC	EET SL	10/24/23 10:16
Total/NA	Analysis	903.0		1	637230	FLC	EET SL	11/16/23 09:48
Total/NA	Prep	PrecSep_0			633155	KAC	EET SL	10/24/23 10:21
Total/NA	Analysis	904.0		1	636198	SCB	EET SL	11/10/23 11:26
Total/NA	Analysis	Ra226_Ra228		1	637755	SCB	EET SL	11/21/23 13:49

Client Sample ID: 1N/1S Duplicate
Date Collected: 10/19/23 00:00
Date Received: 10/19/23 16:30

Lab Sample ID: 500-241308-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633154	KAC	EET SL	10/24/23 10:16
Total/NA	Analysis	903.0		1	637230	FLC	EET SL	11/16/23 09:48
Total/NA	Prep	PrecSep_0			633155	KAC	EET SL	10/24/23 10:21
Total/NA	Analysis	904.0		1	636198	SCB	EET SL	11/10/23 11:26
Total/NA	Analysis	Ra226_Ra228		1	637755	SCB	EET SL	11/21/23 13:49

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-01
Date Collected: 10/23/23 08:56
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633550	ASG	EET SL	10/26/23 07:12
Total/NA	Analysis	903.0		1	637570	FLC	EET SL	11/20/23 19:12
Total/NA	Prep	PrecSep_0			633552	ASG	EET SL	10/26/23 07:12
Total/NA	Analysis	904.0		1	634757	FLC	EET SL	11/01/23 16:19
Total/NA	Analysis	Ra226_Ra228		1	637784	EMH	EET SL	11/21/23 16:13

Client Sample ID: MW-02
Date Collected: 10/23/23 10:13
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633550	ASG	EET SL	10/26/23 07:12
Total/NA	Analysis	903.0		1	637571	FLC	EET SL	11/20/23 19:19
Total/NA	Prep	PrecSep_0			633552	ASG	EET SL	10/26/23 07:12
Total/NA	Analysis	904.0		1	634757	FLC	EET SL	11/01/23 16:20
Total/NA	Analysis	Ra226_Ra228		1	637784	EMH	EET SL	11/21/23 16:13

Client Sample ID: MW-03
Date Collected: 10/23/23 11:40
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633550	ASG	EET SL	10/26/23 07:12
Total/NA	Analysis	903.0		1	637571	FLC	EET SL	11/20/23 19:19
Total/NA	Prep	PrecSep_0			633552	ASG	EET SL	10/26/23 07:12
Total/NA	Analysis	904.0		1	634757	FLC	EET SL	11/01/23 16:21
Total/NA	Analysis	Ra226_Ra228		1	637784	EMH	EET SL	11/21/23 16:13

Client Sample ID: MW-04
Date Collected: 10/23/23 12:54
Date Received: 10/23/23 16:25

Lab Sample ID: 500-241308-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633550	ASG	EET SL	10/26/23 07:12
Total/NA	Analysis	903.0		1	637571	FLC	EET SL	11/20/23 19:19
Total/NA	Prep	PrecSep_0			633552	ASG	EET SL	10/26/23 07:12
Total/NA	Analysis	904.0		1	634757	FLC	EET SL	11/01/23 16:21
Total/NA	Analysis	Ra226_Ra228		1	637784	EMH	EET SL	11/21/23 16:13

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

Client Sample ID: MW-07

Lab Sample ID: 500-241308-9

Date Collected: 10/23/23 14:16

Matrix: Water

Date Received: 10/23/23 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			634316	KAC	EET SL	10/30/23 11:09
Total/NA	Analysis	903.0		1	637608	FLC	EET SL	11/21/23 07:10
Total/NA	Prep	PrecSep_0			634318	KAC	EET SL	10/30/23 11:16
Total/NA	Analysis	904.0		1	636700	CMM	EET SL	11/14/23 11:40
Total/NA	Analysis	Ra226_Ra228		1	637784	EMH	EET SL	11/21/23 16:13

Client Sample ID: MW-08

Lab Sample ID: 500-241308-10

Date Collected: 10/24/23 14:37

Matrix: Water

Date Received: 10/25/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633889	KAC	EET SL	10/27/23 10:35
Total/NA	Analysis	903.0		1	637551	FLC	EET SL	11/20/23 14:38
Total/NA	Prep	PrecSep_0			633892	KAC	EET SL	10/27/23 10:40
Total/NA	Analysis	904.0		1	636511	SCB	EET SL	11/13/23 11:57
Total/NA	Analysis	Ra226_Ra228		1	637752	SCB	EET SL	11/21/23 13:27

Client Sample ID: MW-09

Lab Sample ID: 500-241308-11

Date Collected: 10/24/23 13:00

Matrix: Water

Date Received: 10/25/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633889	KAC	EET SL	10/27/23 10:35
Total/NA	Analysis	903.0		1	637551	FLC	EET SL	11/20/23 14:38
Total/NA	Prep	PrecSep_0			636830	KAC	EET SL	11/14/23 11:04
Total/NA	Analysis	904.0		1	637957	SCB	EET SL	11/22/23 16:18
Total/NA	Analysis	Ra226_Ra228		1	638008	EMH	EET SL	11/22/23 21:51

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 1N/1S

Job ID: 500-241308-2

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)
500-241308-1	MW-13	96.0
500-241308-2	MW-14	95.5
500-241308-3	MW-15	95.0
500-241308-4	1N/1S Duplicate	87.9
500-241308-5	MW-01	86.4
500-241308-5 DU	MW-01	90.7
500-241308-6	MW-02	95.0
500-241308-7	MW-03	86.6
500-241308-8	MW-04	88.2
500-241308-9	MW-07	91.2
500-241308-9 DU	MW-07	92.9
500-241308-10	MW-08	91.2
500-241308-11	MW-09	93.2
LCS 160-633154/2-A	Lab Control Sample	98.0
LCS 160-633550/2-A	Lab Control Sample	91.7
LCS 160-633889/2-A	Lab Control Sample	98.2
LCS 160-634316/2-A	Lab Control Sample	92.2
MB 160-633154/1-A	Method Blank	94.0
MB 160-633550/1-A	Method Blank	92.2
MB 160-633889/1-A	Method Blank	96.2
MB 160-634316/1-A	Method Blank	92.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-241308-1	MW-13	96.0	85.2
500-241308-2	MW-14	95.5	83.4
500-241308-3	MW-15	95.0	85.2
500-241308-4	1N/1S Duplicate	87.9	83.0
500-241308-5	MW-01	86.4	77.0
500-241308-5 DU	MW-01	90.7	72.5
500-241308-6	MW-02	95.0	77.0
500-241308-7	MW-03	86.6	76.6
500-241308-8	MW-04	88.2	76.3
500-241308-9	MW-07	91.2	81.1
500-241308-9 DU	MW-07	92.9	84.1
500-241308-10	MW-08	91.2	86.7
500-241308-11	MW-09	92.8	80.0
500-241308-11 DU	MW-09	101	82.6
LCS 160-633155/2-A	Lab Control Sample	98.0	84.1
LCS 160-633552/2-A	Lab Control Sample	91.7	76.6
LCS 160-633892/2-A	Lab Control Sample	98.2	82.2
LCS 160-634318/2-A	Lab Control Sample	92.2	84.9
LCS 160-636830/2-A	Lab Control Sample	90.0	83.7

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR 1N/1S

Job ID: 500-241308-2

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

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
MB 160-633155/1-A	Method Blank	94.0	81.5
MB 160-633552/1-A	Method Blank	92.2	80.0
MB 160-633892/1-A	Method Blank	96.2	79.3
MB 160-634318/1-A	Method Blank	92.7	78.5
MB 160-636830/1-A	Method Blank	100	80.4

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-23-23
Sample Name	MW-01	Start Time	08:41	
Condition of Well	GOOD			
Water Level	10.44	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	2.75 QTS	W L at Sample Time	10.44	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR + CCA DUP.	Sample Time	08:56	
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)
08:44	10.44	6.60	14.5	1.755	67.2	-89.3	1.1
08:47	10.44	6.49	14.9	1.844	41.1	-73.2	2.7
08:50	—	6.46	15.4	1.832	27.6	-57.0	5.0
08:53	10.44	6.49	15.6	1.825	20.8	-45.7	4.2
08:56	10.44	6.47	15.6	1.827	19.6	-43.2	4.1

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-23-23
Sample Name	MW-02	Start Time	09:58	
Condition of Well	Good			
Water Level	11.62	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	11.62	
Method of Sample	Low-Flow	Sample Characteristics	APPEAR CLEAR	
Sample Analysis	CCA + CCR	Sample Time	10:13	
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)
10:01	11.62	7.30	14.9	1.780	62.2	-147.8	2.1
10:04	11.62	7.52	15.8	1.894	33.1	-159.8	2.1
10:07	—	7.56	16.0	1.927	23.2	-164.8	5.3
10:10	11.63	7.56	15.8	1.938	19.8	-164.4	7.5
10:13	11.62	7.56	15.8	1.937	17.7	-165.0	7.0

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-23-23
Sample Name	MW-03	Start Time	11:25	
Condition of Well	GOOD			
Water Level	11.28	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	11.35	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	11:40	
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)
11:28	11.38	6.86	14.4	1.743	60.1	-74.1	0.6
11:31	11.35	6.67	14.7	1.760	35.7	-46.2	0.7
11:34	11.37	6.63	14.7	1.755	26.9	-30.0	0.6
11:37	11.39	6.63	14.7	1.746	22.2	-21.6	0.5
11:40	11.35	6.63	14.7	1.742	19.7	-19.1	0.5

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-23-23
Sample Name	MW-04	Start Time	12:39	
Condition of Well	GOOD			
Water Level	11.30	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2.5 QTS.	W L at Sample Time	11.38	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	12:54	
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)
12:42	11.38	6.77	15.9	2.501	58.5	4.1	4.7
12:45	11.42	6.62	15.7	2.343	42.0	11.9	4.0
12:48	11.38	6.57	15.8	2.183	27.0	15.9	4.1
12:51	11.36	6.56	15.9	2.155	23.6	15.3	4.0
12:54	11.38	6.55	15.9	2.140	21.9	14.7	3.5

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-24-23
Sample Name	MW-05	Start Time	09:01	
Condition of Well	GOOD			
Water Level	10-22	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2.25 QTS	W L at Sample Time	10.24	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR + CCR DUPS	Sample Time	09:19	
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)
09:04	10.24	7.01	16.7	1.578	68.3	-2.7	1.2
09:07	10.27	6.72	16.6	1.679	39.8	2.9	0.9
09:10	10.23	6.69	16.8	1.680	27.4	21.1	0.8
09:13	10.25	6.69	17.0	1.678	22.1	30.4	0.8
09:16	10.23	6.68	17.1	1.675	19.1	35.8	0.8
09:19	10.24	6.68	17.2	1.674	17.9	37.9	0.8

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-23-23
Sample Name	MW-07	Start Time	14:01	
Condition of Well	GOOD			
Water Level	11.32	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2.25 QTS.	W L at Sample Time	11:51	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR.	
Sample Analysis	CCA + CCR	Sample Time	14:16	
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)
14:04	11.36	6.96	15.9	2.173	64.0	-137.4	7.2
14:07	11.55	7.15	15.3	2.031	37.4	-120.3	10.4
14:10	11.53	7.18	15.4	2.026	33.5	-117.4	7.1
14:13	11.58	7.24	15.6	2.020	27.5	-118.9	8.2
14:16	11.51	7.29	15.6	2.020	26.4	-120.8	8.1

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-24-23
Sample Name	MW-08	Start Time	14:25	
Condition of Well	GOOD			
Water Level	11.79	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS MODERATE ODOR	
Volume Removed	2.0 QTS	W L at Sample Time	12.02	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	14:37	
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)
14:28	11.96	7.11	17.0	2.317	65.8	-116.8	5.2
14:31	12.13	7.07	16.8	2.267	42.4	-108.6	11.7
14:34	12.22	7.08	17.1	2.232	35.7	-108.3	11.9
14:37	12.02	7.09	17.5	2.217	32.6	-109.1	11.3

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-24-23
Sample Name	MW-09	Start Time	12:45	
Condition of Well	GOOD			
Water Level	11.77	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS MODERATE ODOR	
Volume Removed	2.25 QTS	W L at Sample Time	11.90	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR INS + CCR 258	Sample Time	13:00	
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)
12:48	11.81	7.63	20.1	1.747	71.3	-198.5	5.6
12:51	11.86	7.56	20.4	1.746	66.2	-201.1	4.2
12:54	—	8.12	20.5	1.726	55.0	-195.1	7.2
12:57	11.88	8.65	20.0	1.717	23.0	-207.0	13.3
13:00	11.90	8.68	19.8	1.715	19.1	-208.1	9.5

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-19-23
Sample Name	MW-13	Start Time	12:54	
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	CLOUDY ODORLESS	
Volume Removed	3.5 QTS	W L at Sample Time	11.33	
Method of Sample	Low-Flow	Sample Characteristics	CLOUDY LIGHT TURBIDITY	
Sample Analysis	CCR	Sample Time	13:12	
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)
12:57	10.98	7.08	15.8	1.901	49.4	-1.8	220.1
13:00	11.03	7.06	15.9	1.842	24.7	-4.8	168.0
13:03	11.15	7.05	16.0	1.826	21.3	-6.5	125.2
13:06	11.23	7.03	16.1	1.811	32.9	-1.8	75.3
13:09	11.27	7.02	16.1	1.804	38.4	1.9	53.5
13:12	11.33	7.01	16.1	1.801	40.8	3.9	47.1

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-19-23
Sample Name	MW-14	Start Time	13:35	
Condition of Well	GOOD			
Water Level	10.70	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	3.25 GVS	W L at Sample Time	10.76	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR + IN/IS DUPS.	Sample Time	13:53	
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)
13:38	10.73	7.25	15.2	1.919	48.4	18.1	4.8
13:41	10.76	7.49	14.8	1.834	25.1	-99.8	1.7
13:44	10.77	7.68	14.7	1.817	20.1	-131.9	2.4
13:47	10.76	7.81	14.7	1.815	17.0	-156.5	2.0
13:50	10.77	7.83	14.6	1.834	15.3	-169.5	1.7
13:53	10.76	7.84	14.6	1.841	14.8	-172.8	1.7

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	10-19-23
Sample Name	MW-15	Start Time	14:22	
Condition of Well	GOOD			
Water Level	10.32	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	CLOUDY ODORLESS	
Volume Removed	4.0 QTS	W L at Sample Time	10.89	
Method of Sample	Low-Flow	Sample Characteristics	LIGHT TURBIDITY	
Sample Analysis	CCR	Sample Time	14:43	
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)
14:25	10.43	6.84	15.0	2.264	63.5	2.5	11.8
14:28	10.59	7.04	14.7	2.147	33.4	-75.9	180.0
14:31	10.72	7.11	14.7	2.119	25.5	-88.2	162.1
14:34	10.76	7.14	14.8	2.104	22.3	-95.3	152.3
14:37	10.81	7.15	14.9	2.095	26.4	-91.3	139.5
14:40	10.87	7.14	14.8	2.090	24.5	-91.3	82.3
14:43	10.89	7.09	14.8	2.081	23.5	-89.8	55.2

FLUSH FLOW CELL →

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates