DATA SUMMARY POSTING

Station: Midwest Generation Will County Generating Station

Regulated Unit(s): Pond 2 S (IEPA ID No. W1978100011-03)
Pond 3 S (IEPA ID No. W1978100011-04)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 2nd quarter 2022 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

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

Table 1. Groundwater Analytical Data, Pond 2S and Pond 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-05 up-gradient	11/11/2015	6.1	220	110	0.31	7.24	770	1,900	< 0.003	0.0014	0.071	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.0750	-0.168	0.031	< 0.002
	2/18/2016	4.4	230	120	0.31	6.99	730	1,600	< 0.003	0.0021	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.079	0.468	0.019	< 0.002
	5/26/2016	3.7	170	110	0.33	6.73	670	1,500	< 0.003	0.0023	0.055	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.077	< 0.402	0.019	< 0.002
	8/10/2016	3.6	67	120	0.72	8.62	480	970	< 0.003	0.0044	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	F1 < 0.0002	0.14	< 0.394	0.0049	< 0.002
	10/26/2016	3.6	44	120	0.70	9.08	410	920	< 0.003	0.0047	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.12	0.592	< 0.0025	< 0.002
	2/1/2017	4.6	250	48	0.35	6.81	530	1,600	< 0.003	0.0015	0.058	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	^ < 0.0002	0.048	< 0.424	0.029	< 0.002
	5/11/2017	4.0	140	85	0.31	7.86	610	1,200	< 0.003	0.0035	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.093	< 0.388	< 0.0025	< 0.002
	6/27/2017	3.8	83	99	0.53	7.95	500	1,000	< 0.003	0.0037	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.11	0.412	< 0.0025	< 0.002
	9/8/2017	4.8	89	78	0.52	9.40	490	1,000	< 0.003	0.0038	V 0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.095	0.486	0.0047	< 0.002
	11/16/2017	4.8	180	52	0.45	6.70	650	1,500	< 0.003	0.0028	0.065	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.064	< 0.379	0.012	< 0.002
	5/2/2018	3.6	200	32	0.39	7.23	510	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	4.9	150	55	0.48	7.07	430	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	4.1	61	91	0.59	9.10	380	870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	4.9	170	31	0.41	6.95	440	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	4.5	52	70	0.59	7.39	300	870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/4/2020	5.0	130	29	0.38	7.06	410	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/24/2021	4.7	120	28	0.53	7.07	430	1,000	< 0.003	0.0011	0.046	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.063	< 0.492	0.042	< 0.002
	8/24/2021	4.6	33	45	0.74	9.42	410	580	< 0.003	0.0054	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.091	1.230	< 0.0025	< 0.002
	11/23/2021	5.5	140	22	0.44	6.80	370	1,100	< 0.003	0.0035	0.066	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.066	0.784	0.012	< 0.002
	2/24/2022	4.9	210	25	0.39	6.73	660	1,400	< 0.003	0.0092	0.077	< ^1+ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.059	< 0.415	0.048	< 0.002
	6/16/2022	5.1	120	41	0.34	7.05	510	1,100	< 0.003	0.0037	0.055	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.064	< 0.471	0.008	< 0.002
MW-06 up-gradient	11/10/2015	3.0	52	100	0.55	8.63	300	660	< 0.003	0.0016	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.0670	-0.383	0.0039	< 0.002
	2/18/2016	2.5	74	150	0.47	8.58	280	650	< 0.003	0.0014	0.068	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.0630	0.412	< 0.0025	< 0.002
	5/26/2016	2.7	86	92	0.44	7.79	350	800	< 0.003	0.002	0.068	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.042	< 0.422	< 0.0025	< 0.002
	8/11/2016	3.6	110	58	0.35	7.74	330	840	< 0.003	0.0029	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.038	< 0.339	< 0.0025	< 0.002
	10/26/2016	3.8	86	74	0.40	8.16	220	800	< 0.003	0.003	0.074	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.043	< 0.531	< 0.0025	< 0.002
	2/1/2017	3.4	70	83	0.41	7.88	260	700	< 0.003	0.0043	0.068	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	^ < 0.0002	0.05	< 0.511	0.0035	< 0.002
	5/11/2017	3.0	75	84	0.28	8.68	330	570	< 0.003	0.002	0.054	< 0.001	< 0.0005	< 0.005	< 0.001	0.00054	0.011	< 0.0002	0.054	< 0.388	< 0.0025	< 0.002
	6/27/2017	3.1	65	74	0.38	8.15	330	710	< 0.003	0.0014	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.046	0.408	< 0.0025	< 0.002
	9/7/2017	3.5	75	67	0.40	8.20	300	740	< 0.003	0.0025	0.077	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.044	0.397	< 0.0025	< 0.002
	11/16/2017	3.9	88	54	0.39	7.59	280	810	< 0.003	0.0028	0.077	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.038	0.491	0.012	< 0.002
	5/3/2018	3.0	91	52	0.26	6.91	*530*	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2018 R	NA	NA	NA	NA	7.47	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	3.5	93	44	0.31	7.83	240	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	4.3	120	38	0.21	7.51	350	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/3/2019 R	3.2	NA	NA	NA	8.28	NA	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	4.2	98	31	0.33	7.91	210	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	3.4	98	56	0.31	7.47	180	710	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	3.3	100	43	0.36	7.29	170	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/24/2021	2.6	99	46	0.33	7.65	160	610	< 0.003	0.0025	0.08	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.017	0.576	< 0.0025	< 0.002
	8/24/2021	2.9	100	100	0.35	7.09	170	370	< 0.003	0.0029	0.093	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.018	< 0.468	< 0.0025	< 0.002
	11/23/2021	2.6	85	43	0.37	7.48	150	720	< 0.003	0.002	0.07	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.017	1.02	< 0.0025	< 0.002
	2/22/2022	2.8	130	35	0.33	7.29	260	940	< 0.003	0.0019	0.09	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.033	0.551	0.05	< 0.002
	6/14/2022	2.5	110	22	0.35	7.06	210	610	< 0.003	0.0018	0.082	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.018	1.22	< 0.0025	< 0.002
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	8.1	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	0.4	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

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

Italics Date - First round of Detection Monitoring and resample after statistical background establishment.

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

NA - Not analyzed. No confirmation resample required.

R - Resample

V - Serial Dilution exceeds the control limits

^ - Instrument related QC is outside acceptance limits.

* - LCS or LCSD is outside acceptance limits.

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

Table 1. Groundwater Analytical Data, Pond 2S and Pond 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-10 down-gradient	11/10/2015	3.9	140	140	0.77	7.34	310	980	< 0.003	0.015	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.068	1.341	< 0.0025	< 0.002
	2/16/2016	3.6	150	240	0.79	7.29	290	950	< 0.003	0.014	0.098	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.075	0.952	< 0.0025	< 0.002
	5/25/2016	3.6	120	140	0.83	7.26	260	1,000	< 0.003	0.034	0.096	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00055	0.016	< 0.0002	0.065	0.51	< 0.0025	< 0.002
	8/10/2016	4.3	150	120	0.78	7.22	230	970	< 0.003	0.017	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.082	0.864	< 0.0025	< 0.002
	10/26/2016	3.0	160	74	0.52	7.30	220	1,000	< 0.003	0.022	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.030	0.458	< 0.0025	< 0.002
	2/2/2017	3.7	180	81	0.54	7.16	160	930	< 0.003	0.05	0.14	* < 0.001	< 0.0005	< 0.005	< 0.001	0.0013	0.02	^ < 0.0002	0.031	< 0.464	< 0.0025	< 0.002
	5/10/2017	3.0	150	100	0.44	7.83	340	860	< 0.003	0.02	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.066	0.882	< 0.0025	< 0.002
	6/27/2017	2.8	130	110	0.67	7.49	250	930	< 0.003	0.0072	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.080	0.953	< 0.0025	< 0.002
	9/7/2017	2.8	120	120	0.77	7.37	290	920	< 0.003	0.0076	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	0.00058	0.096	0.921	< 0.0025	< 0.002
	11/15/2017	4.1	140	120	0.77	7.10	270	1,000	< 0.003	0.015	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.071	0.893	< 0.0025	< 0.002
	5/1/2018	3.2	150	130	0.65	7.31	280	990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	2.5	110	140	0.89	7.60	200	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	2.8	100	140	0.82	7.53	260	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	3.7	120	110	0.93	7.21	190	940	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/2020	2.3	100	170	0.90	7.29	280	850	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	3.7	130	140	0.87	7.02	180	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/25/2021	3.0	160	130	0.62	7.16	160	910	< 0.003	0.018	0.18	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	0.0054	0.02	< 0.0002	0.036	< 1.14	< 0.0025	< 0.002
	8/26/2021	2.5	110	140	0.82	7.70	250	740	< 0.003	0.009	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	0.00073	0.017	< 0.0002	0.12	1.48	< 0.0025	< 0.002
	11/23/2021	2.7	110	130	0.71	7.07	230	990	< 0.003	0.012	0.091	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	0.0011	0.013	< 0.0002	0.048	2.22	< 0.0025	< 0.002
	2/24/2022	2.6	130	120	0.53	7.02	170	840	< 0.003	0.0072	0.1	< ^1+ 0.001	< 0.0005	< 0.005	0.0012	0.001	0.014	< 0.0002	0.043	0.768	< 0.0025	< 0.002
	6/14/2022	2.9	100	140	0.86	6.99	280	790	< 0.003	0.008	0.081	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.12	1.55	< 0.0025	< 0.002
MW-11 down-gradient	11/10/2015	2.6	120	89	0.61	7.60	180	620	< 0.003	0.007	0.098	< 0.001	< 0.0005	< 0.005	< 0.001	0.00064	< 0.01	< 0.0002	0.0600	0.736	< 0.0025	< 0.002
	2/16/2016	3.0	100	88	0.68	7.47	170	640	< 0.003	0.0059	0.11	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.078	1.14	< 0.0025	< 0.002
	5/25/2016	2.8	82	98	0.75	7.43	170	640	< 0.003	0.0073	0.093	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.083	0.775	< 0.0025	< 0.002
	8/10/2016	3.1	96	86	0.72	7.57	150	660	< 0.003	0.0072	0.12	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.087	0.807	< 0.0025	< 0.002
	10/26/2016	2.5	110	67	0.53	7.82	120	630	< 0.003	0.0082	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	0.00052	< 0.01	< 0.0002	0.043	0.51	< 0.0025	< 0.002
	2/1/2017	3.9	110	72	0.65	7.54	110	600	< 0.003	0.011	0.15	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.076	0.909	< 0.0025	< 0.002
	5/10/2017	3.1	95	84	0.46	8.37	170	590	< 0.003	0.014	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.074	1.03	< 0.0025	< 0.002
	6/27/2017	2.8	87	90	0.59	7.57	150	680	< 0.003	0.0058	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.069	0.692	< 0.0025	< 0.002
	9/7/2017	2.8	90	94	0.58	7.40	150	*730*	< 0.003	0.0074	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.067	0.676	< 0.0025	< 0.002
	11/15/2017	2.9	96	100	0.65	7.41	160	*750*	< 0.003	0.0082	0.15	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.075	1.04	< 0.0025	< 0.002
	5/3/2018	3.8	73	110	0.69	6.74	190	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	3.1	78	110	0.66	7.65	120	680	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	2.2	86	110	0.49	7.55	120	610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	2.5	100	80	0.55	7.26	91	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2020	2.3	89	100	0.54	7.4	90	540	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	4.3	85	140	0.72	7.17	68	710	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/25/2021	3.8	94	130	0.74	7.68	57	660	< 0.003	0.0067	0.16	^1+< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.077	1.29	< 0.0025	< 0.002
	8/26/2021	1.9	110	150	0.39	7.73	100	710	< 0.003	0.0076	0.1	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.034	1.29	< 0.0025	< 0.002
	11/23/2021	2.0	130	150	0.48	6.94	94	810	< 0.003	0.0085	0.11	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.025	2.35	< 0.0025	< 0.002
	12/22/2021 R	NA	NA	150	NA	7.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/23/2022	1.8	130	150	0.38	6.94	91	760	< 0.003	0.013	0.12	< ^1+ 0.001	< 0.0005	< 0.005	< 0.001	0.0006	0.011	< 0.0002	0.031	1.65	< 0.0025	< 0.002
	6/13/2022	2.8	120	140	0.4	7.22	97	700	< 0.003	0.0088	0.17	< 0.001	< 0.0005	< 0.005	0.0022	0.0018	0.011	< 0.0002	0.058	1.44	< 0.0025	< 0.002
MW-12 down-gradient	11/10/2015	2.3	150	160	0.59	7.44	290	1,000	< 0.003	0.0016	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.034	0.8139	< 0.0025	< 0.002
	2/16/2016	1.8	130	140	0.52	7.38	220	850	< 0.003	0.0013	0.084	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.031	< 0.407	< 0.0025	< 0.002
	5/25/2016	1.9	130	150	0.54	7.23	250	890	< 0.003	0.0013	0.12	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00063	0.014	< 0.0002	0.03	0.41	0.0026	< 0.002
	8/10/2016	2.4	170	140	0.49	7.20	280	1000	< 0.003	0.0017	0.12	< 0.001	< 0.0005	< 0.005	< 0.001	0.0006	0.017	< 0.0002	0.04	< 0.426	0.0077	< 0.002
	10/26/2016	2.6	140	120	0.49	7.44	220	980	< 0.003	0.0016	0.11	< 0.001	< 0.0005	0.025	< 0.001	< 0.0005	0.013	< 0.0002	0.036	< 0.664	< 0.0025	< 0.002
	2/1/2017	2.0	160	120	0.48	7.30	150	900	< 0.003	0.0017	0.11	* < 0.001	< 0.0005	< 0.005	< 0.001	0.00065	0.013	< 0.0002	0.023	0.949	< 0.0025	< 0.002
	5/10/2017	2.3	200	240	0.30	7.65	260	1,300	< 0.003	0.0013	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.029	< 0.464	0.017	< 0.002
	6/27/2017	2.4	180	280	0.44	7.31	260	1,300	< 0.003	0.0014	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.03	0.455	0.0032	< 0.002
	9/6/2017	2.6	190	270	0.49	7.26	260	1,400	< 0.003	0.0017	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.032	< 0.317	0.0043	< 0.002
	11/15/2017	1.7	55	200	0.47	6.90	250	1,200	< 0.003	0.0054	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.11	0.434	< 0.0025	< 0.002
	5/3/2018	1.8	140	170	0.47	6.60	170	960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/2/2018	F1 2.2	150	160	0.49	7.30	170	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	1.9	140	140	0.42	7.23	190	930	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	2.1	140	71	0.53	7.02	110	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	1.9	180	120	0.4	6.95	140	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	2.2	160	190	0.52	7.27	160	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/25/2021	1.8	140	170	0.49	7.37	180	930	< 0.003	0.0017	0.14	^1+ < 0.001	< 0.0005	< 0.005	0.001	< 0.00085	0.014	< 0.0002	0.029	0.529	< 0.0025	< 0.002
	8/26/2021	2.1	170	200	0.47	7.49	170	1000	< 0.003	0.002	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.027	1.03	< 0.0025	< 0.002
	11/23/2021	2.3	180	210	0.44	7.01	180	1200	< 0.003	0.002	0.15	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.022	0.58	0.0055	< 0.002
	2/24/2022	1.7	150	150	0.4	7.06	150	1000	< 0.003	0.0025	0.27	< ^1+ 0.001	< 0.0005	< 0.005	0.0011	0.0016	0.018	< 0.0002	0.024	< 1.62	0.0061	< 0.002
	6/13/2022	1.9	160	^+ 210	0.45	7.03	170	1000	< 0.003	0.0015	0.15	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.024	0.957	0.0045	< 0.002

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

Italics Date - First round of Detection Monitoring and resample after statistical background establishment.

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

NA - Not analyzed. No confirmation resample required.

R - Resample

V - Serial Dilution exceeds the control limits

^ - Instrument related QC is outside acceptance limits.

* - LCS or LCSD is outside acceptance limits.

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

Table 2. Groundwater Turbidity - Ponds 2S and 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-05	2/23/2021	0.63
	4/10/2021	1.28
	4/25/2021	2.41
	5/24/2021	3.78
	6/11/2021	2.4
	6/28/2021	2.89
	7/12/2021	3.93
	8/4/2021	1.35
	8/24/2021	3.5
	9/24/2021	3.59
	11/23/2021	4.45
	2/24/2022	0.37
	6/16/2022	1.76
MW-06	2/23/2021	0.31
	4/10/2021	11.17
	4/25/2021	15.04
	5/24/2021	5.18
	6/11/2021	2.96
	6/29/2021	4.06
	7/12/2021	6.43
	8/4/2021	3.5
	8/24/2021	7.0
	9/24/2021	4.2
	11/23/2021	6.38
	2/22/2022	0.47
	6/14/2022	3.87
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
MW-10	2/25/2021	172.14
	4/10/2021	29.99
	4/25/2021	34.77
	5/25/2021	44.14
	6/11/2021	92.03
	6/29/2021	29.35
	7/12/2021	23.45
	8/4/2021	47.68
	8/26/2021	27.5
	9/24/2021	542
	11/23/2021	312.05
	2/24/2022	72.18
	6/14/2022	55.5
MW-11	4/10/2021	269.25
	4/25/2021	60.28
	5/25/2021	9.56
	6/11/2021	77.09
	6/29/2021	7.43
	7/12/2021	39.12
	8/4/2021	9.53
	8/26/2021	11.4
	9/24/2021	9.68
	11/23/2021	1.85
	2/23/2022	162.43
	6/13/2022	27.05
MW-12	4/10/2021	31.67
	4/25/2021	15.04
	5/25/2021	28.65
	6/11/2021	6.1
	6/29/2021	13.04
	7/12/2021	12.99
	8/4/2021	11.97
	8/26/2021	10.9
	9/24/2021	11.97
	11/23/2021	3.88
	2/24/2022	82.8
	6/13/2022	4.24

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 500-218112-1
Client Project/Site: Will County CCR

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

Attn: John Niedzwiecki

Diana Mockler

Authorized for release by:
7/15/2022 8:08:30 AM

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

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Job ID: 500-218112-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-218112-1

Comments
No additional comments.

Receipt
The samples were received on 6/15/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.9º C, 1.2º C, 1.7º C, 4.0º C, 4.1º C and 4.4º C.

Metals
Method 6020A: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: MW-13 (500-218112-5).

Method 6020A: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: MW-13 (500-218112-5).

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

General Chemistry
Method SM 4500 Cl- E: The CCV bracketing the following samples recovered above the control limits for Chloride. The CCVH recovered within acceptance limits. The samples were reanalyzed outside of holding time. The re-analysis confirmed the original results. The original results have been qualified and reported.

MW-14 (500-218112-6), MW-15 (500-218112-7) and Duplicate-2 (500-218112-9)

Method SM 4500 Cl- E: The CCV recovered above the upper control limit for Chloride. The CCVH recovered within control limits. These samples recovered at a level greater than the CCVH and have been qualified and reported.

MW-12 (500-218112-4), MW-13 (500-218112-5) and Duplicate-1 (500-218112-8)

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

Method Summary

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

Job ID: 500-218112-1

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

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

Sample Summary

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

Job ID: 500-218112-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-218112-1	MW-6	Water	06/14/22 14:25	06/15/22 10:30
500-218112-2	MW-10	Water	06/14/22 13:05	06/15/22 10:30
500-218112-3	MW-11	Water	06/13/22 15:44	06/15/22 10:30
500-218112-4	MW-12	Water	06/13/22 14:35	06/15/22 10:30
500-218112-5	MW-13	Water	06/14/22 11:35	06/15/22 10:30
500-218112-6	MW-14	Water	06/14/22 10:25	06/15/22 10:30
500-218112-7	MW-15	Water	06/14/22 09:10	06/15/22 10:30
500-218112-8	Duplicate-1	Water	06/13/22 00:00	06/15/22 10:30
500-218112-9	Duplicate-2	Water	06/13/22 00:00	06/15/22 10:30
500-218112-10	MW-1	Water	06/15/22 08:35	06/16/22 13:50
500-218112-11	MW-2	Water	06/15/22 09:55	06/16/22 13:50
500-218112-12	MW-3	Water	06/16/22 11:40	06/16/22 13:50
500-218112-13	MW-4	Water	06/16/22 10:15	06/16/22 13:50
500-218112-14	MW-5	Water	06/16/22 09:10	06/16/22 13:50
500-218112-15	MW-7	Water	06/15/22 13:55	06/16/22 13:50
500-218112-16	MW-8	Water	06/15/22 12:30	06/16/22 13:50
500-218112-17	MW-9	Water	06/15/22 11:05	06/16/22 13:50

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

Job ID: 500-218112-1

Client Sample ID: MW-6

Date Collected: 06/14/22 14:25
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 17:59	1
Arsenic	**0.0018**		0.0010		mg/L		06/23/22 15:54	06/24/22 17:59	1
Barium	**0.082**		0.0025		mg/L		06/23/22 15:54	06/24/22 17:59	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 17:59	1
Boron	**2.5**		0.50		mg/L		06/23/22 15:54	06/27/22 12:38	10
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 17:59	1
Calcium	**110**		0.20		mg/L		06/23/22 15:54	06/24/22 17:59	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 17:59	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 17:59	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 17:59	1
Lithium	**0.014**		0.010		mg/L		06/23/22 15:54	06/24/22 17:59	1
Molybdenum	**0.018**		0.0050		mg/L		06/23/22 15:54	06/24/22 17:59	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 17:59	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 17:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**610**		10		mg/L			06/20/22 02:57	1
Chloride	**22**		2.0		mg/L			06/16/22 11:15	1
Fluoride	**0.35**		0.10		mg/L			06/25/22 17:04	1
Sulfate	**210**		50		mg/L			06/16/22 12:39	10

Client Sample Results

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

Job ID: 500-218112-1

Client Sample ID: MW-10

Date Collected: 06/14/22 13:05
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:02	1
Arsenic	**0.0080**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:02	1
Barium	**0.081**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:02	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:02	1
Boron	**2.9**		0.50		mg/L		06/23/22 15:54	06/27/22 12:42	10
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:02	1
Calcium	**100**		0.20		mg/L		06/23/22 15:54	06/24/22 18:02	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:02	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:02	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:02	1
Lithium	**0.015**		0.010		mg/L		06/23/22 15:54	06/24/22 18:02	1
Molybdenum	**0.12**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:02	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 18:02	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**790**		10		mg/L			06/20/22 02:59	1
Chloride	**140**		10		mg/L			06/16/22 11:15	5
Fluoride	**0.86**		0.10		mg/L			06/25/22 17:07	1
Sulfate	**280**		50		mg/L			06/16/22 12:38	10

Client Sample Results

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

Job ID: 500-218112-1

Client Sample ID: MW-11

Date Collected: 06/13/22 15:44
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:05	1
Arsenic	**0.0088**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:05	1
Barium	**0.17**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:05	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:05	1
Boron	**2.8**		0.50		mg/L		06/23/22 15:54	06/27/22 12:45	10
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:05	1
Calcium	**120**		0.20		mg/L		06/23/22 15:54	06/24/22 18:05	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:05	1
Cobalt	**0.0022**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:05	1
Lead	**0.0018**		0.00050		mg/L		06/23/22 15:54	06/24/22 18:05	1
Lithium	**0.011**		0.010		mg/L		06/23/22 15:54	06/24/22 18:05	1
Molybdenum	**0.058**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:05	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 18:05	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**700**		10		mg/L			06/20/22 03:02	1
Chloride	**140**		10		mg/L			06/16/22 11:16	5
Fluoride	**0.40**		0.10		mg/L			06/25/22 17:10	1
Sulfate	**97**		25		mg/L			06/16/22 12:39	5

Client Sample Results

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

Job ID: 500-218112-1

Client Sample ID: MW-12

Date Collected: 06/13/22 14:35
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:09	1
Arsenic	**0.0015**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:09	1
Barium	**0.15**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:09	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:09	1
Boron	**1.9**		0.25		mg/L		06/23/22 15:54	06/27/22 12:48	5
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:09	1
Calcium	**160**		0.20		mg/L		06/23/22 15:54	06/24/22 18:09	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:09	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:09	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:09	1
Lithium	**0.012**		0.010		mg/L		06/23/22 15:54	06/24/22 18:09	1
Molybdenum	**0.024**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:09	1
Selenium	**0.0045**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:09	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1000**		10		mg/L			06/20/22 03:04	1
Chloride	**210**	**^+**	10		mg/L			06/16/22 11:54	5
Fluoride	**0.45**		0.10		mg/L			06/25/22 17:14	1
Sulfate	**170**		25		mg/L			06/16/22 12:40	5

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

Job ID: 500-218112-1

Client Sample ID: MW-13

Date Collected: 06/14/22 11:35
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:33	1
Arsenic	**0.046**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:33	1
Barium	**0.43**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:33	1
Beryllium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/27/22 13:12	5
Boron	**2.1**		0.25		mg/L		06/23/22 15:54	06/27/22 13:12	5
Cadmium	**0.0022**		0.00050		mg/L		06/23/22 15:54	06/24/22 18:33	1
Calcium	**500**		1.0		mg/L		06/23/22 15:54	06/27/22 13:12	5
Chromium	**0.077**		0.025		mg/L		06/23/22 15:54	06/27/22 13:12	5
Cobalt	**0.041**		0.0050		mg/L		06/23/22 15:54	06/27/22 13:12	5
Lead	**0.063**		0.00050		mg/L		06/23/22 15:54	06/24/22 18:33	1
Lithium	<0.050		0.050		mg/L		06/23/22 15:54	06/29/22 14:01	5
Molybdenum	**0.026**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:33	1
Selenium	**0.0097**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:33	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**940**		10		mg/L			06/20/22 03:07	1
Chloride	**200**	**^+**	10		mg/L			06/16/22 11:54	5
Fluoride	**0.37**		0.10		mg/L			06/25/22 17:17	1
Sulfate	**210**		25		mg/L			06/16/22 12:41	5

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

Job ID: 500-218112-1

Client Sample ID: MW-14

Date Collected: 06/14/22 10:25
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:36	1
Arsenic	**0.0021**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:36	1
Barium	**0.083**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:36	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:36	1
Boron	**5.3**		1.0		mg/L		06/23/22 15:54	06/27/22 13:19	20
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:36	1
Calcium	**160**		0.20		mg/L		06/23/22 15:54	06/24/22 18:36	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:36	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:36	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:36	1
Lithium	**0.048**		0.010		mg/L		06/23/22 15:54	06/24/22 18:36	1
Molybdenum	**0.050**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:36	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 18:36	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1200**		10		mg/L			06/20/22 03:10	1
Chloride	**110**	**^+**	10		mg/L			06/16/22 11:55	5
Fluoride	**0.47**		0.10		mg/L			06/25/22 17:20	1
Sulfate	**490**		50		mg/L			06/16/22 12:41	10

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

Job ID: 500-218112-1

Client Sample ID: MW-15

Date Collected: 06/14/22 09:10
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:40	1
Arsenic	**0.0027**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:40	1
Barium	**0.10**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:40	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:40	1
Boron	**3.7**		0.50		mg/L		06/23/22 15:54	06/27/22 13:24	10
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:40	1
Calcium	**230**		0.20		mg/L		06/23/22 15:54	06/24/22 18:40	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:40	1
Cobalt	**0.0012**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:40	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:40	1
Lithium	**0.021**		0.010		mg/L		06/23/22 15:54	06/24/22 18:40	1
Molybdenum	**0.027**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:40	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 18:40	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1500**		10		mg/L			06/20/22 03:12	1
Chloride	**130**	**^+**	10		mg/L			06/16/22 11:55	5
Fluoride	**0.45**		0.10		mg/L			06/25/22 17:23	1
Sulfate	**750**		100		mg/L			06/16/22 12:42	20

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

Job ID: 500-218112-1

Client Sample ID: Duplicate-1

Date Collected: 06/13/22 00:00
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:43	1
Arsenic	**0.0015**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:43	1
Barium	**0.15**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:43	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:43	1
Boron	**1.9**		0.25		mg/L		06/23/22 15:54	06/27/22 13:27	5
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:43	1
Calcium	**170**		0.20		mg/L		06/23/22 15:54	06/24/22 18:43	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:43	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:43	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:43	1
Lithium	**0.013**		0.010		mg/L		06/23/22 15:54	06/24/22 18:43	1
Molybdenum	**0.025**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:43	1
Selenium	**0.0063**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:43	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1000**		10		mg/L			06/20/22 03:15	1
Chloride	**210**	**^+**	10		mg/L			06/16/22 11:55	5
Fluoride	**0.44**		0.10		mg/L			06/25/22 17:26	1
Sulfate	**150**		100		mg/L			06/16/22 12:42	20

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

Job ID: 500-218112-1

Client Sample ID: Duplicate-2

Date Collected: 06/13/22 00:00
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:47	1
Arsenic	**0.0024**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:47	1
Barium	**0.12**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:47	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:47	1
Boron	**4.1**		0.50		mg/L		06/23/22 15:54	06/27/22 13:31	10
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:47	1
Calcium	**230**		0.20		mg/L		06/23/22 15:54	06/24/22 18:47	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:47	1
Cobalt	**0.0011**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:47	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:47	1
Lithium	**0.022**		0.010		mg/L		06/23/22 15:54	06/24/22 18:47	1
Molybdenum	**0.027**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:47	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 18:47	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1500**		10		mg/L			06/20/22 03:17	1
Chloride	**130**	**^+**	10		mg/L			06/16/22 11:56	5
Fluoride	**0.44**		0.10		mg/L			06/25/22 17:29	1
Sulfate	**750**		100		mg/L			06/16/22 12:42	20

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

Job ID: 500-218112-1

Client Sample ID: MW-1

Date Collected: 06/15/22 08:35
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:50	1
Arsenic	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:50	1
Barium	**0.090**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:50	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:50	1
Boron	**2.6**		0.50		mg/L		06/23/22 15:54	06/27/22 13:34	10
Cadmium	**0.00054**		0.00050		mg/L		06/23/22 15:54	06/24/22 18:50	1
Calcium	**180**		0.20		mg/L		06/23/22 15:54	06/24/22 18:50	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:50	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:50	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:50	1
Lithium	**0.033**		0.010		mg/L		06/23/22 15:54	06/24/22 18:50	1
Molybdenum	**0.015**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:50	1
Selenium	**0.0087**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:50	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		10		mg/L			06/20/22 03:20	1
Chloride	**33**		2.0		mg/L			06/20/22 13:39	1
Fluoride	**0.61**		0.10		mg/L			06/25/22 17:32	1
Sulfate	**350**		50		mg/L			06/17/22 15:06	10

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

Job ID: 500-218112-1

Client Sample ID: MW-2

Date Collected: 06/15/22 09:55
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:54	1
Arsenic	**0.010**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:54	1
Barium	**0.058**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:54	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:54	1
Boron	**5.3**		1.0		mg/L		06/23/22 15:54	06/27/22 13:45	20
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:54	1
Calcium	**91**		0.20		mg/L		06/23/22 15:54	06/24/22 18:54	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:54	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:54	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:54	1
Lithium	**0.044**		0.010		mg/L		06/23/22 15:54	06/24/22 18:54	1
Molybdenum	**0.073**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:54	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 18:54	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		10		mg/L			06/20/22 03:22	1
Chloride	**30**		2.0		mg/L			06/20/22 13:39	1
Fluoride	**0.39**		0.10		mg/L			06/25/22 17:45	1
Sulfate	**460**		50		mg/L			06/17/22 15:06	10

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

Job ID: 500-218112-1

Client Sample ID: MW-3

Date Collected: 06/16/22 11:40
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 18:57	1
Arsenic	**0.0014**		0.0010		mg/L		06/23/22 15:54	06/24/22 18:57	1
Barium	**0.10**		0.0025		mg/L		06/23/22 15:54	06/24/22 18:57	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:57	1
Boron	**4.0**		0.50		mg/L		06/23/22 15:54	06/27/22 13:48	10
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:57	1
Calcium	**140**		0.20		mg/L		06/23/22 15:54	06/24/22 18:57	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 18:57	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 18:57	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 18:57	1
Lithium	**0.045**		0.010		mg/L		06/23/22 15:54	06/24/22 18:57	1
Molybdenum	**0.022**		0.0050		mg/L		06/23/22 15:54	06/24/22 18:57	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 18:57	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 18:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**910**		10		mg/L			06/20/22 03:25	1
Chloride	**18**		2.0		mg/L			06/20/22 13:39	1
Fluoride	**0.31**		0.10		mg/L			06/25/22 17:49	1
Sulfate	**300**		50		mg/L			06/17/22 15:07	10

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

Job ID: 500-218112-1

Client Sample ID: MW-4

Date Collected: 06/16/22 10:15
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 19:00	1
Arsenic	**0.0030**		0.0010		mg/L		06/23/22 15:54	06/24/22 19:00	1
Barium	**0.045**		0.0025		mg/L		06/23/22 15:54	06/24/22 19:00	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 19:00	1
Boron	**5.5**		1.0		mg/L		06/23/22 15:54	06/27/22 13:51	20
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:00	1
Calcium	**310**		4.0		mg/L		06/23/22 15:54	06/27/22 13:51	20
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 19:00	1
Cobalt	**0.0021**		0.0010		mg/L		06/23/22 15:54	06/24/22 19:00	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:00	1
Lithium	**0.023**		0.010		mg/L		06/23/22 15:54	06/24/22 19:00	1
Molybdenum	**0.026**		0.0050		mg/L		06/23/22 15:54	06/24/22 19:00	1
Selenium	**0.0044**		0.0025		mg/L		06/23/22 15:54	06/24/22 19:00	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 19:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2200**		10		mg/L			06/20/22 03:28	1
Chloride	**22**		2.0		mg/L			06/20/22 13:39	1
Fluoride	**0.37**		0.10		mg/L			06/25/22 17:52	1
Sulfate	**990**		250		mg/L			06/17/22 15:38	50

Client Sample Results

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

Job ID: 500-218112-1

Client Sample ID: MW-5

Date Collected: 06/16/22 09:10
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 19:04	1
Arsenic	**0.0037**		0.0010		mg/L		06/23/22 15:54	06/24/22 19:04	1
Barium	**0.055**		0.0025		mg/L		06/23/22 15:54	06/24/22 19:04	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 19:04	1
Boron	**5.1**		1.0		mg/L		06/23/22 15:54	06/27/22 13:55	20
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:04	1
Calcium	**120**		0.20		mg/L		06/23/22 15:54	06/24/22 19:04	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 19:04	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 19:04	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:04	1
Lithium	**0.011**		0.010		mg/L		06/23/22 15:54	06/24/22 19:04	1
Molybdenum	**0.064**		0.0050		mg/L		06/23/22 15:54	06/24/22 19:04	1
Selenium	**0.0080**		0.0025		mg/L		06/23/22 15:54	06/24/22 19:04	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 19:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		10		mg/L			06/20/22 03:30	1
Chloride	**41**		2.0		mg/L			06/20/22 13:40	1
Fluoride	**0.34**		0.10		mg/L			06/25/22 17:55	1
Sulfate	**510**		100		mg/L			06/17/22 15:39	20

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

Job ID: 500-218112-1

Client Sample ID: MW-7

Date Collected: 06/15/22 13:55
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 19:14	1
Arsenic	**0.0045**		0.0010		mg/L		06/23/22 15:54	06/24/22 19:14	1
Barium	**0.075**		0.0025		mg/L		06/23/22 15:54	06/24/22 19:14	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 19:14	1
Boron	**4.4**		1.0		mg/L		06/23/22 15:54	06/27/22 13:58	20
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:14	1
Calcium	**150**		0.20		mg/L		06/23/22 15:54	06/24/22 19:14	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 19:14	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 19:14	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:14	1
Lithium	**0.023**		0.010		mg/L		06/23/22 15:54	06/24/22 19:14	1
Molybdenum	**0.056**		0.0050		mg/L		06/23/22 15:54	06/24/22 19:14	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 19:14	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 19:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		10		mg/L			06/20/22 03:33	1
Chloride	**120**		10		mg/L			06/20/22 13:58	5
Fluoride	**0.68**		0.10		mg/L			06/25/22 17:59	1
Sulfate	**520**		100		mg/L			06/17/22 15:39	20

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

Job ID: 500-218112-1

Client Sample ID: MW-8

Date Collected: 06/15/22 12:30
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 19:18	1
Arsenic	**0.0048**		0.0010		mg/L		06/23/22 15:54	06/24/22 19:18	1
Barium	**0.075**		0.0025		mg/L		06/23/22 15:54	06/24/22 19:18	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 19:18	1
Boron	**2.9**		0.50		mg/L		06/23/22 15:54	06/27/22 14:02	10
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:18	1
Calcium	**150**		0.20		mg/L		06/23/22 15:54	06/24/22 19:18	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 19:18	1
Cobalt	**0.0016**		0.0010		mg/L		06/23/22 15:54	06/24/22 19:18	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:18	1
Lithium	**0.014**		0.010		mg/L		06/23/22 15:54	06/24/22 19:18	1
Molybdenum	**0.064**		0.0050		mg/L		06/23/22 15:54	06/24/22 19:18	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 19:18	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 19:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1300**		10		mg/L			06/20/22 03:35	1
Chloride	**170**		10		mg/L			06/20/22 13:59	5
Fluoride	**0.59**		0.10		mg/L			06/25/22 18:02	1
Sulfate	**480**		50		mg/L			06/17/22 15:39	10

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

Job ID: 500-218112-1

Client Sample ID: MW-9

Date Collected: 06/15/22 11:05
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 19:21	1
Arsenic	**0.0071**		0.0010		mg/L		06/23/22 15:54	06/24/22 19:21	1
Barium	**0.036**		0.0025		mg/L		06/23/22 15:54	06/24/22 19:21	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 19:21	1
Boron	**1.9**		0.25		mg/L		06/23/22 15:54	06/27/22 14:05	5
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:21	1
Calcium	**43**		0.20		mg/L		06/23/22 15:54	06/24/22 19:21	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 19:21	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 19:21	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 19:21	1
Lithium	<0.010		0.010		mg/L		06/23/22 15:54	06/24/22 19:21	1
Molybdenum	**0.057**		0.0050		mg/L		06/23/22 15:54	06/24/22 19:21	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 19:21	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 19:21	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**730**		10		mg/L			06/20/22 03:38	1
Chloride	**230**		10		mg/L			06/20/22 13:59	5
Fluoride	**0.48**		0.10		mg/L			06/25/22 18:05	1
Sulfate	**180**		50		mg/L			06/17/22 15:40	10

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.

General Chemistry

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

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: 662549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total/NA	Water	7470A	
500-218112-2	MW-10	Total/NA	Water	7470A	
500-218112-3	MW-11	Total/NA	Water	7470A	
500-218112-4	MW-12	Total/NA	Water	7470A	
500-218112-5	MW-13	Total/NA	Water	7470A	
500-218112-6	MW-14	Total/NA	Water	7470A	
500-218112-7	MW-15	Total/NA	Water	7470A	
500-218112-8	Duplicate-1	Total/NA	Water	7470A	
500-218112-9	Duplicate-2	Total/NA	Water	7470A	
500-218112-10	MW-1	Total/NA	Water	7470A	
500-218112-11	MW-2	Total/NA	Water	7470A	
500-218112-12	MW-3	Total/NA	Water	7470A	
500-218112-13	MW-4	Total/NA	Water	7470A	
500-218112-14	MW-5	Total/NA	Water	7470A	
500-218112-15	MW-7	Total/NA	Water	7470A	
500-218112-16	MW-8	Total/NA	Water	7470A	
500-218112-17	MW-9	Total/NA	Water	7470A	
MB 500-662549/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-662549/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-218112-9 MS	Duplicate-2	Total/NA	Water	7470A	
500-218112-9 MSD	Duplicate-2	Total/NA	Water	7470A	
500-218112-9 DU	Duplicate-2	Total/NA	Water	7470A	

Prep Batch: 662626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total Recoverable	Water	3005A	
500-218112-2	MW-10	Total Recoverable	Water	3005A	
500-218112-3	MW-11	Total Recoverable	Water	3005A	
500-218112-4	MW-12	Total Recoverable	Water	3005A	
500-218112-5	MW-13	Total Recoverable	Water	3005A	
500-218112-6	MW-14	Total Recoverable	Water	3005A	
500-218112-7	MW-15	Total Recoverable	Water	3005A	
500-218112-8	Duplicate-1	Total Recoverable	Water	3005A	
500-218112-9	Duplicate-2	Total Recoverable	Water	3005A	
500-218112-10	MW-1	Total Recoverable	Water	3005A	
500-218112-11	MW-2	Total Recoverable	Water	3005A	
500-218112-12	MW-3	Total Recoverable	Water	3005A	
500-218112-13	MW-4	Total Recoverable	Water	3005A	
500-218112-14	MW-5	Total Recoverable	Water	3005A	
500-218112-15	MW-7	Total Recoverable	Water	3005A	
500-218112-16	MW-8	Total Recoverable	Water	3005A	
500-218112-17	MW-9	Total Recoverable	Water	3005A	
MB 500-662626/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-662626/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-218112-4 MS	MW-12	Total Recoverable	Water	3005A	
500-218112-4 MSD	MW-12	Total Recoverable	Water	3005A	
500-218112-4 DU	MW-12	Total Recoverable	Water	3005A	

Analysis Batch: 662744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total/NA	Water	7470A	662549

Metals (Continued)

Analysis Batch: 662744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-2	MW-10	Total/NA	Water	7470A	662549
500-218112-3	MW-11	Total/NA	Water	7470A	662549
500-218112-4	MW-12	Total/NA	Water	7470A	662549
500-218112-5	MW-13	Total/NA	Water	7470A	662549
500-218112-6	MW-14	Total/NA	Water	7470A	662549
500-218112-7	MW-15	Total/NA	Water	7470A	662549
500-218112-8	Duplicate-1	Total/NA	Water	7470A	662549
500-218112-9	Duplicate-2	Total/NA	Water	7470A	662549
500-218112-10	MW-1	Total/NA	Water	7470A	662549
500-218112-11	MW-2	Total/NA	Water	7470A	662549
500-218112-12	MW-3	Total/NA	Water	7470A	662549
500-218112-13	MW-4	Total/NA	Water	7470A	662549
500-218112-14	MW-5	Total/NA	Water	7470A	662549
500-218112-15	MW-7	Total/NA	Water	7470A	662549
500-218112-16	MW-8	Total/NA	Water	7470A	662549
500-218112-17	MW-9	Total/NA	Water	7470A	662549
MB 500-662549/12-A	Method Blank	Total/NA	Water	7470A	662549
LCS 500-662549/13-A	Lab Control Sample	Total/NA	Water	7470A	662549
500-218112-9 MS	Duplicate-2	Total/NA	Water	7470A	662549
500-218112-9 MSD	Duplicate-2	Total/NA	Water	7470A	662549
500-218112-9 DU	Duplicate-2	Total/NA	Water	7470A	662549

Analysis Batch: 663015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total Recoverable	Water	6020A	662626
500-218112-2	MW-10	Total Recoverable	Water	6020A	662626
500-218112-3	MW-11	Total Recoverable	Water	6020A	662626
500-218112-4	MW-12	Total Recoverable	Water	6020A	662626
500-218112-5	MW-13	Total Recoverable	Water	6020A	662626
500-218112-6	MW-14	Total Recoverable	Water	6020A	662626
500-218112-7	MW-15	Total Recoverable	Water	6020A	662626
500-218112-8	Duplicate-1	Total Recoverable	Water	6020A	662626
500-218112-9	Duplicate-2	Total Recoverable	Water	6020A	662626
500-218112-10	MW-1	Total Recoverable	Water	6020A	662626
500-218112-11	MW-2	Total Recoverable	Water	6020A	662626
500-218112-12	MW-3	Total Recoverable	Water	6020A	662626
500-218112-13	MW-4	Total Recoverable	Water	6020A	662626
500-218112-14	MW-5	Total Recoverable	Water	6020A	662626
500-218112-15	MW-7	Total Recoverable	Water	6020A	662626
500-218112-16	MW-8	Total Recoverable	Water	6020A	662626
500-218112-17	MW-9	Total Recoverable	Water	6020A	662626
MB 500-662626/1-A	Method Blank	Total Recoverable	Water	6020A	662626
LCS 500-662626/2-A	Lab Control Sample	Total Recoverable	Water	6020A	662626
500-218112-4 MS	MW-12	Total Recoverable	Water	6020A	662626
500-218112-4 MSD	MW-12	Total Recoverable	Water	6020A	662626
500-218112-4 DU	MW-12	Total Recoverable	Water	6020A	662626

Analysis Batch: 663232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total Recoverable	Water	6020A	662626
500-218112-2	MW-10	Total Recoverable	Water	6020A	662626

Metals (Continued)

Analysis Batch: 663232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-3	MW-11	Total Recoverable	Water	6020A	662626
500-218112-4	MW-12	Total Recoverable	Water	6020A	662626
500-218112-5	MW-13	Total Recoverable	Water	6020A	662626
500-218112-6	MW-14	Total Recoverable	Water	6020A	662626
500-218112-7	MW-15	Total Recoverable	Water	6020A	662626
500-218112-8	Duplicate-1	Total Recoverable	Water	6020A	662626
500-218112-9	Duplicate-2	Total Recoverable	Water	6020A	662626
500-218112-10	MW-1	Total Recoverable	Water	6020A	662626
500-218112-11	MW-2	Total Recoverable	Water	6020A	662626
500-218112-12	MW-3	Total Recoverable	Water	6020A	662626
500-218112-13	MW-4	Total Recoverable	Water	6020A	662626
500-218112-14	MW-5	Total Recoverable	Water	6020A	662626
500-218112-15	MW-7	Total Recoverable	Water	6020A	662626
500-218112-16	MW-8	Total Recoverable	Water	6020A	662626
500-218112-17	MW-9	Total Recoverable	Water	6020A	662626
MB 500-662626/1-A	Method Blank	Total Recoverable	Water	6020A	662626
LCS 500-662626/2-A	Lab Control Sample	Total Recoverable	Water	6020A	662626
500-218112-4 MS	MW-12	Total Recoverable	Water	6020A	662626
500-218112-4 MSD	MW-12	Total Recoverable	Water	6020A	662626
500-218112-4 DU	MW-12	Total Recoverable	Water	6020A	662626

Analysis Batch: 663608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-5	MW-13	Total Recoverable	Water	6020A	662626

General Chemistry

Analysis Batch: 661504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total/NA	Water	SM 4500 Cl- E	
500-218112-2	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-218112-3	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-218112-4	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-218112-5	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-218112-6	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-218112-7	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-218112-8	Duplicate-1	Total/NA	Water	SM 4500 Cl- E	
500-218112-9	Duplicate-2	Total/NA	Water	SM 4500 Cl- E	
MB 500-661504/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-661504/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 661531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total/NA	Water	SM 4500 SO4 E	
500-218112-2	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-218112-3	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-218112-4	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-218112-5	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-218112-6	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-218112-7	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-218112-8	Duplicate-1	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 661531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-9	Duplicate-2	Total/NA	Water	SM 4500 SO4 E	
MB 500-661531/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-661531/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-218112-2 MS	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-218112-2 MSD	MW-10	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 661787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-10	MW-1	Total/NA	Water	SM 4500 SO4 E	
500-218112-11	MW-2	Total/NA	Water	SM 4500 SO4 E	
500-218112-12	MW-3	Total/NA	Water	SM 4500 SO4 E	
500-218112-13	MW-4	Total/NA	Water	SM 4500 SO4 E	
500-218112-14	MW-5	Total/NA	Water	SM 4500 SO4 E	
500-218112-15	MW-7	Total/NA	Water	SM 4500 SO4 E	
500-218112-16	MW-8	Total/NA	Water	SM 4500 SO4 E	
500-218112-17	MW-9	Total/NA	Water	SM 4500 SO4 E	
MB 500-661787/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-661787/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-218112-10 MS	MW-1	Total/NA	Water	SM 4500 SO4 E	
500-218112-10 MSD	MW-1	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 661852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total/NA	Water	SM 2540C	
500-218112-2	MW-10	Total/NA	Water	SM 2540C	
500-218112-3	MW-11	Total/NA	Water	SM 2540C	
500-218112-4	MW-12	Total/NA	Water	SM 2540C	
500-218112-5	MW-13	Total/NA	Water	SM 2540C	
500-218112-6	MW-14	Total/NA	Water	SM 2540C	
500-218112-7	MW-15	Total/NA	Water	SM 2540C	
500-218112-8	Duplicate-1	Total/NA	Water	SM 2540C	
500-218112-9	Duplicate-2	Total/NA	Water	SM 2540C	
500-218112-10	MW-1	Total/NA	Water	SM 2540C	
500-218112-11	MW-2	Total/NA	Water	SM 2540C	
500-218112-12	MW-3	Total/NA	Water	SM 2540C	
500-218112-13	MW-4	Total/NA	Water	SM 2540C	
500-218112-14	MW-5	Total/NA	Water	SM 2540C	
500-218112-15	MW-7	Total/NA	Water	SM 2540C	
500-218112-16	MW-8	Total/NA	Water	SM 2540C	
500-218112-17	MW-9	Total/NA	Water	SM 2540C	
MB 500-661852/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-661852/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 662007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-10	MW-1	Total/NA	Water	SM 4500 Cl- E	
500-218112-11	MW-2	Total/NA	Water	SM 4500 Cl- E	
500-218112-12	MW-3	Total/NA	Water	SM 4500 Cl- E	
500-218112-13	MW-4	Total/NA	Water	SM 4500 Cl- E	
500-218112-14	MW-5	Total/NA	Water	SM 4500 Cl- E	
500-218112-15	MW-7	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 662007 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-16	MW-8	Total/NA	Water	SM 4500 Cl- E	
500-218112-17	MW-9	Total/NA	Water	SM 4500 Cl- E	
MB 500-662007/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-662007/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 662917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total/NA	Water	SM 4500 F C	
500-218112-2	MW-10	Total/NA	Water	SM 4500 F C	
500-218112-3	MW-11	Total/NA	Water	SM 4500 F C	
500-218112-4	MW-12	Total/NA	Water	SM 4500 F C	
500-218112-5	MW-13	Total/NA	Water	SM 4500 F C	
500-218112-6	MW-14	Total/NA	Water	SM 4500 F C	
500-218112-7	MW-15	Total/NA	Water	SM 4500 F C	
500-218112-8	Duplicate-1	Total/NA	Water	SM 4500 F C	
500-218112-9	Duplicate-2	Total/NA	Water	SM 4500 F C	
500-218112-10	MW-1	Total/NA	Water	SM 4500 F C	
500-218112-11	MW-2	Total/NA	Water	SM 4500 F C	
500-218112-12	MW-3	Total/NA	Water	SM 4500 F C	
500-218112-13	MW-4	Total/NA	Water	SM 4500 F C	
500-218112-14	MW-5	Total/NA	Water	SM 4500 F C	
500-218112-15	MW-7	Total/NA	Water	SM 4500 F C	
500-218112-16	MW-8	Total/NA	Water	SM 4500 F C	
500-218112-17	MW-9	Total/NA	Water	SM 4500 F C	
MB 500-662917/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-662917/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-662626/1-A
Matrix: Water
Analysis Batch: 663015

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/23/22 15:54	06/24/22 17:52	1
Arsenic	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 17:52	1
Barium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 17:52	1
Beryllium	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 17:52	1
Cadmium	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 17:52	1
Calcium	<0.20		0.20		mg/L		06/23/22 15:54	06/24/22 17:52	1
Chromium	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 17:52	1
Cobalt	<0.0010		0.0010		mg/L		06/23/22 15:54	06/24/22 17:52	1
Lead	<0.00050		0.00050		mg/L		06/23/22 15:54	06/24/22 17:52	1
Lithium	<0.010		0.010		mg/L		06/23/22 15:54	06/24/22 17:52	1
Molybdenum	<0.0050		0.0050		mg/L		06/23/22 15:54	06/24/22 17:52	1
Selenium	<0.0025		0.0025		mg/L		06/23/22 15:54	06/24/22 17:52	1
Thallium	<0.0020		0.0020		mg/L		06/23/22 15:54	06/24/22 17:52	1

Lab Sample ID: MB 500-662626/1-A
Matrix: Water
Analysis Batch: 663232

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		06/23/22 15:54	06/27/22 12:31	1

Lab Sample ID: LCS 500-662626/2-A
Matrix: Water
Analysis Batch: 663015

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.475		mg/L		95	80 - 120
Arsenic	0.100	0.0981		mg/L		98	80 - 120
Barium	0.500	0.506		mg/L		101	80 - 120
Beryllium	0.0500	0.0476		mg/L		95	80 - 120
Cadmium	0.0500	0.0491		mg/L		98	80 - 120
Calcium	10.0	9.79		mg/L		98	80 - 120
Chromium	0.200	0.201		mg/L		100	80 - 120
Cobalt	0.500	0.503		mg/L		101	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Lithium	0.100	0.101		mg/L		101	80 - 120
Molybdenum	1.00	0.932		mg/L		93	80 - 120
Selenium	0.100	0.0988		mg/L		99	80 - 120
Thallium	0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: LCS 500-662626/2-A
Matrix: Water
Analysis Batch: 663232

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 662626

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

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

Lab Sample ID: 500-218112-4 MS
Matrix: Water
Analysis Batch: 663015

Client Sample ID: MW-12
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.494		mg/L		99	75 - 125
Arsenic	0.0015		0.100	0.104		mg/L		103	75 - 125
Barium	0.15		0.500	0.648		mg/L		100	75 - 125
Beryllium	<0.0010		0.0500	0.0483		mg/L		97	75 - 125
Cadmium	<0.00050		0.0500	0.0490		mg/L		98	75 - 125
Calcium	160		10.0	168	4	mg/L		76	75 - 125
Chromium	<0.0050		0.200	0.195		mg/L		97	75 - 125
Cobalt	<0.0010		0.500	0.475		mg/L		95	75 - 125
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125
Lithium	0.012		0.100	0.111		mg/L		99	75 - 125
Molybdenum	0.024		1.00	1.00		mg/L		98	75 - 125
Selenium	0.0045		0.100	0.108		mg/L		103	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

Lab Sample ID: 500-218112-4 MS
Matrix: Water
Analysis Batch: 663232

Client Sample ID: MW-12
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.9		1.00	2.88		mg/L		96	75 - 125

Lab Sample ID: 500-218112-4 MSD
Matrix: Water
Analysis Batch: 663015

Client Sample ID: MW-12
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.510		mg/L		102	75 - 125	3	20
Arsenic	0.0015		0.100	0.107		mg/L		105	75 - 125	2	20
Barium	0.15		0.500	0.646		mg/L		100	75 - 125	0	20
Beryllium	<0.0010		0.0500	0.0484		mg/L		97	75 - 125	0	20
Cadmium	<0.00050		0.0500	0.0508		mg/L		102	75 - 125	4	20
Calcium	160		10.0	169	4	mg/L		87	75 - 125	1	20
Chromium	<0.0050		0.200	0.198		mg/L		99	75 - 125	1	20
Cobalt	<0.0010		0.500	0.482		mg/L		96	75 - 125	2	20
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125	0	20
Lithium	0.012		0.100	0.111		mg/L		99	75 - 125	0	20
Molybdenum	0.024		1.00	1.03		mg/L		101	75 - 125	3	20
Selenium	0.0045		0.100	0.111		mg/L		106	75 - 125	3	20
Thallium	<0.0020		0.100	0.104		mg/L		104	75 - 125	2	20

Lab Sample ID: 500-218112-4 MSD
Matrix: Water
Analysis Batch: 663232

Client Sample ID: MW-12
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.9		1.00	2.88		mg/L		96	75 - 125	0	20

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

Lab Sample ID: 500-218112-4 DU
Matrix: Water
Analysis Batch: 663015

Client Sample ID: MW-12
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0015		0.00166		mg/L		8	20
Barium	0.15		0.154		mg/L		5	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	160		167		mg/L		4	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	0.012		0.0132		mg/L		7	20
Molybdenum	0.024		0.0256		mg/L		5	20
Selenium	0.0045		0.00456		mg/L		0.4	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-218112-4 DU
Matrix: Water
Analysis Batch: 663232

Client Sample ID: MW-12
Prep Type: Total Recoverable
Prep Batch: 662626

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	1.9		1.99		mg/L		3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-662549/12-A
Matrix: Water
Analysis Batch: 662744

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/23/22 09:55	06/24/22 08:05	1

Lab Sample ID: LCS 500-662549/13-A
Matrix: Water
Analysis Batch: 662744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00206		mg/L		103	80 - 120

Lab Sample ID: 500-218112-9 MS
Matrix: Water
Analysis Batch: 662744

Client Sample ID: Duplicate-2
Prep Type: Total/NA
Prep Batch: 662549

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.00100		mg/L		100	75 - 125

Lab Sample ID: 500-218112-9 MSD
Matrix: Water
Analysis Batch: 662744

Client Sample ID: Duplicate-2
Prep Type: Total/NA
Prep Batch: 662549

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000985		mg/L		99	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 500-218112-9 DU
Matrix: Water
Analysis Batch: 662744

Client Sample ID: Duplicate-2
Prep Type: Total/NA
Prep Batch: 662549

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 500-661852/1
Matrix: Water
Analysis Batch: 661852

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/20/22 02:39	1

Lab Sample ID: LCS 500-661852/2
Matrix: Water
Analysis Batch: 661852

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	244		mg/L		98	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-661504/16
Matrix: Water
Analysis Batch: 661504

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/16/22 11:11	1

Lab Sample ID: LCS 500-661504/17
Matrix: Water
Analysis Batch: 661504

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

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

Lab Sample ID: MB 500-662007/16
Matrix: Water
Analysis Batch: 662007

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/20/22 13:38	1

Lab Sample ID: LCS 500-662007/17
Matrix: Water
Analysis Batch: 662007

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

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

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-662917/31
Matrix: Water
Analysis Batch: 662917

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			06/25/22 16:36	1

Lab Sample ID: LCS 500-662917/32
Matrix: Water
Analysis Batch: 662917

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			10.0	10.7		mg/L		107	90 - 119		

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-661531/16
Matrix: Water
Analysis Batch: 661531

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/16/22 12:36	1

Lab Sample ID: LCS 500-661531/17
Matrix: Water
Analysis Batch: 661531

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	21.9		mg/L		110	88 - 123		

Lab Sample ID: 500-218112-2 MS
Matrix: Water
Analysis Batch: 661531

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	280		20.0	302	4	mg/L		87	75 - 125		

Lab Sample ID: 500-218112-2 MSD
Matrix: Water
Analysis Batch: 661531

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	280		20.0	302	4	mg/L		92	75 - 125	0	20

Lab Sample ID: MB 500-661787/16
Matrix: Water
Analysis Batch: 661787

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/17/22 15:05	1

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

Lab Sample ID: LCS 500-661787/17
Matrix: Water
Analysis Batch: 661787

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	20.3		mg/L		102	88 - 123		

Lab Sample ID: 500-218112-10 MS
Matrix: Water
Analysis Batch: 661787

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	350		20.0	365	4	mg/L		85	75 - 125		

Lab Sample ID: 500-218112-10 MSD
Matrix: Water
Analysis Batch: 661787

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	350		20.0	365	4	mg/L		86	75 - 125	0	20

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: CORY HIGGINS	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-92124-41061 1
Client Contact: Mitchel Dolan	Phone: 630 277 6038	E-Mail: Diana Mockler@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:			Job #: 500-218112

Address: 14665 West Lisbon Road Suite 1A
City: Brookfield
State Zip: WI, 53005
Phone: 262-781-0475
Email: mitchell@kprginc.com
500-218112 COC
Project Name: Will County CCR 1N/1S
Site: Illinois

Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 4502041043
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	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, Radium Combined	6010C - Lithium, 6020A - Metals (13 elements), 7470A - Mercury	2540C TDS, 4500FC - Fluoride	SM4500CIE Chloride, SM4500SO4E - Sulfate	Total Number of containers	Special Instructions/Note:
	Preservation Code:							D	D	N	N		
1	MW-6	6/14/22	1425	G	W	N	N					5	*Metals List Sb,As,Ba,Be,B,Cd,Ca,Cr,Co,Pb,Mo,SeTl
2	MW-10	6/14/22	13.05										
3	MW-11	6/13/22	1544										
4	MW-12	6/13/22	14:35										
5	MW-13	6/14/22	11:35										
6	MW-14	6/14/22	10.25										
7	MW-15	6/14/22	0910										
8	DUPLICATE-1												
9	DUPLICATE-2			↓	↓	↓	↓	↓	↓	↓	↓	↓	

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

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Cory Higgins	6/15/22 0930			6/15/22 0930	EET
2		6/15/22 1030	EET		6/15/22 1030	EET
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.1 → 1.7, 1.4 → 0.9, 1.7 → 1.2

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

Chain of Custody Record

eurofins Environment Testing America

500-218112

Client Information	Sampler: CORY HIGGINS	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-92124-41061 1
Client Contact: Mitchel Dolan	Phone: 630 277 6038	E-Mail: Diana.Mockler@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates Inc.	PWSID:			Job #: 12313.3

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: 262-781-0475	PO #: 4502041043	
Email: mitcheld@kprginc.com	WO #:	
Project Name: Will County CCR 1N/1S	Project #: 50011609	
Site: Illinois	SSOW#:	

500-218112 COC

Analysis Requested

Preservation Codes

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0, Radium Combined	6010C - Lithium, 6020A - Metals (13 elements), 7470A - Mercury	2540C TDS, 4500FC - Fluoride	SM4500CIE Chloride, SM4500SO4E - Sulfate	Total Number of containers	Special Instructions/Note.
				Preservation Code:				D	D	N	N		
10	MW-1	6/15/22	08 35	G	W	N	N	X	X	X	X	5	*Metals List Sb,As,Ba,Be,B,Cd,Ca,Cr,Co,Pb,Mo,SeTl
11	MW-2	6/15/22	09 55										
12	MW-3	6/16/22	11 40										
13	MW-4	6/16/22	10 15										
14	MW-5	6/16/22	09 10										
15	MW-7	6/15/22	13 55										
16	MW-8	6/15/22	12 30										
17	MW-9	6/15/22	11 05										

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

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

Deliverable Requested I II III, IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Cory Higgins	6/16/22 1350	KPRG	Paula Dudley	6/16/22 1350	ECTA
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:
		5.5, 4.0, 5.5, 4.1, 5.4 → 4.0,

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-218112-1

Login Number: 218112
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7,0.9,1.2,4.4,4.1,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

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

Job ID: 500-218112-1

Client Sample ID: MW-6
Date Collected: 06/14/22 14:25
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 17:59	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	663232	06/27/22 12:38	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:16	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 02:57	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	661504	06/16/22 11:15	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:04	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661531	06/16/22 12:39	LP	TAL CHI

Client Sample ID: MW-10
Date Collected: 06/14/22 13:05
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:02	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	663232	06/27/22 12:42	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:18	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 02:59	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661504	06/16/22 11:15	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:07	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661531	06/16/22 12:38	LP	TAL CHI

Client Sample ID: MW-11
Date Collected: 06/13/22 15:44
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:05	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	663232	06/27/22 12:45	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:20	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:02	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661504	06/16/22 11:16	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:10	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	661531	06/16/22 12:39	LP	TAL CHI

Lab Chronicle

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

Job ID: 500-218112-1

Client Sample ID: MW-12
Date Collected: 06/13/22 14:35
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:09	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		5	663232	06/27/22 12:48	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:22	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:04	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661504	06/16/22 11:54	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:14	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	661531	06/16/22 12:40	LP	TAL CHI

Client Sample ID: MW-13
Date Collected: 06/14/22 11:35
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:33	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		5	663232	06/27/22 13:12	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		5	663608	06/29/22 14:01	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:24	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:07	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661504	06/16/22 11:54	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:17	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	661531	06/16/22 12:41	LP	TAL CHI

Client Sample ID: MW-14
Date Collected: 06/14/22 10:25
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:36	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		20	663232	06/27/22 13:19	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:27	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:10	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661504	06/16/22 11:55	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:20	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661531	06/16/22 12:41	LP	TAL CHI

Lab Chronicle

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

Job ID: 500-218112-1

Client Sample ID: MW-15
Date Collected: 06/14/22 09:10
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:40	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	663232	06/27/22 13:24	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:29	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:12	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661504	06/16/22 11:55	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:23	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	661531	06/16/22 12:42	LP	TAL CHI

Client Sample ID: Duplicate-1
Date Collected: 06/13/22 00:00
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:43	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		5	663232	06/27/22 13:27	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:31	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:15	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661504	06/16/22 11:55	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:26	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	661531	06/16/22 12:42	LP	TAL CHI

Client Sample ID: Duplicate-2
Date Collected: 06/13/22 00:00
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:47	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	663232	06/27/22 13:31	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 08:33	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:17	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	661504	06/16/22 11:56	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:29	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	661531	06/16/22 12:42	LP	TAL CHI

Lab Chronicle

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

Job ID: 500-218112-1

Client Sample ID: MW-1
Date Collected: 06/15/22 08:35
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:50	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	663232	06/27/22 13:34	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 09:09	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:20	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	662007	06/20/22 13:39	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:32	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661787	06/17/22 15:06	LP	TAL CHI

Client Sample ID: MW-2
Date Collected: 06/15/22 09:55
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:54	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		20	663232	06/27/22 13:45	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 09:11	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:22	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	662007	06/20/22 13:39	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:45	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661787	06/17/22 15:06	LP	TAL CHI

Client Sample ID: MW-3
Date Collected: 06/16/22 11:40
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 18:57	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	663232	06/27/22 13:48	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 09:13	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:25	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	662007	06/20/22 13:39	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:49	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661787	06/17/22 15:07	LP	TAL CHI

Lab Chronicle

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

Job ID: 500-218112-1

Client Sample ID: MW-4
Date Collected: 06/16/22 10:15
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 19:00	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		20	663232	06/27/22 13:51	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 09:15	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:28	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	662007	06/20/22 13:39	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:52	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	661787	06/17/22 15:38	LP	TAL CHI

Client Sample ID: MW-5
Date Collected: 06/16/22 09:10
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 19:04	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		20	663232	06/27/22 13:55	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 09:18	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:30	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	662007	06/20/22 13:40	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:55	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	661787	06/17/22 15:39	LP	TAL CHI

Client Sample ID: MW-7
Date Collected: 06/15/22 13:55
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 19:14	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		20	663232	06/27/22 13:58	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 09:20	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:33	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	662007	06/20/22 13:58	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 17:59	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	661787	06/17/22 15:39	LP	TAL CHI

Lab Chronicle

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

Job ID: 500-218112-1

Client Sample ID: MW-8

Date Collected: 06/15/22 12:30
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 19:18	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		10	663232	06/27/22 14:02	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 09:22	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:35	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	662007	06/20/22 13:59	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 18:02	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661787	06/17/22 15:39	LP	TAL CHI

Client Sample ID: MW-9

Date Collected: 06/15/22 11:05
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		1	663015	06/24/22 19:21	FXG	TAL CHI
Total Recoverable	Prep	3005A			662626	06/23/22 15:54	LMB	TAL CHI
Total Recoverable	Analysis	6020A		5	663232	06/27/22 14:05	FXG	TAL CHI
Total/NA	Prep	7470A			662549	06/23/22 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	662744	06/24/22 09:24	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	661852	06/20/22 03:38	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	662007	06/20/22 13:59	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662917	06/25/22 18:05	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	661787	06/17/22 15:40	LP	TAL CHI

Laboratory References:

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 500-218112-2
Client Project/Site: Will County CCR

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

Attn: John Niedzwiecki

Diana Mockler

Authorized for release by:
7/15/2022 8:10:51 AM

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

Table of Contents

Job ID: 500-218112-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-218112-2

Comments
No additional comments.

Receipt
The samples were received on 6/15/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.9º C, 1.2º C, 1.7º C, 4.0º C, 4.1º C and 4.4º C.

RAD
Methods 903.0, 9315: Radium-226 batch 570468
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
MW-6 (500-218112-1), MW-10 (500-218112-2), MW-11 (500-218112-3), MW-12 (500-218112-4), MW-13 (500-218112-5), MW-14 (500-218112-6), MW-15 (500-218112-7), Duplicate-1 (500-218112-8), Duplicate-2 (500-218112-9), (LCS 160-570468/2-A), (MB 160-570468/1-A) and (500-218112-C-1-A DU)

Methods 903.0, 9315: Radium-226 batch 570930
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
MW-1 (500-218112-10), MW-2 (500-218112-11), MW-3 (500-218112-12), MW-4 (500-218112-13), MW-5 (500-218112-14), MW-7 (500-218112-15), MW-8 (500-218112-16), MW-9 (500-218112-17), (LCS 160-570930/2-A), (MB 160-570930/1-A) and (500-218112-E-10-C DU)

Method 904.0: Radium-228 batch 570471
The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: MW-13 (500-218112-5). Analytical results are reported with the detection limit achieved.

Methods 904.0, 9320: Radium-228 batch 570471
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date
MW-6 (500-218112-1), MW-10 (500-218112-2), MW-11 (500-218112-3), MW-12 (500-218112-4), MW-13 (500-218112-5), MW-14 (500-218112-6), MW-15 (500-218112-7), Duplicate-1 (500-218112-8), Duplicate-2 (500-218112-9), (LCS 160-570471/2-A), (MB 160-570471/1-A) and (500-218112-C-1-B DU)

Methods 904.0, 9320: Radium 228 Batch 160-570937
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
MW-1 (500-218112-10), MW-2 (500-218112-11), MW-3 (500-218112-12), MW-4 (500-218112-13), MW-5 (500-218112-14), MW-7 (500-218112-15), MW-8 (500-218112-16), MW-9 (500-218112-17), (LCS 160-570937/2-A), (MB 160-570937/1-A) and (500-218112-E-10-B DU)

Method PrecSep_0:

Method PrecSep-21:

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

Method Summary

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

Job ID: 500-218112-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-218112-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-218112-1	MW-6	Water	06/14/22 14:25	06/15/22 10:30
500-218112-2	MW-10	Water	06/14/22 13:05	06/15/22 10:30
500-218112-3	MW-11	Water	06/13/22 15:44	06/15/22 10:30
500-218112-4	MW-12	Water	06/13/22 14:35	06/15/22 10:30
500-218112-5	MW-13	Water	06/14/22 11:35	06/15/22 10:30
500-218112-6	MW-14	Water	06/14/22 10:25	06/15/22 10:30
500-218112-7	MW-15	Water	06/14/22 09:10	06/15/22 10:30
500-218112-8	Duplicate-1	Water	06/13/22 00:00	06/15/22 10:30
500-218112-9	Duplicate-2	Water	06/13/22 00:00	06/15/22 10:30
500-218112-10	MW-1	Water	06/15/22 08:35	06/16/22 13:50
500-218112-11	MW-2	Water	06/15/22 09:55	06/16/22 13:50
500-218112-12	MW-3	Water	06/16/22 11:40	06/16/22 13:50
500-218112-13	MW-4	Water	06/16/22 10:15	06/16/22 13:50
500-218112-14	MW-5	Water	06/16/22 09:10	06/16/22 13:50
500-218112-15	MW-7	Water	06/15/22 13:55	06/16/22 13:50
500-218112-16	MW-8	Water	06/15/22 12:30	06/16/22 13:50
500-218112-17	MW-9	Water	06/15/22 11:05	06/16/22 13:50

Client Sample Results

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

Job ID: 500-218112-2

Client Sample ID: MW-6

Date Collected: 06/14/22 14:25
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-1

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.147		0.0785	0.0796	1.00	0.0950	pCi/L	06/17/22 13:19	07/11/22 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:53*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.08		0.405	0.417	1.00	0.504	pCi/L	06/17/22 13:47	06/24/22 10:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:47*	*1*
Y Carrier	*86.0*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:47*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.22		0.413	0.425	5.00	0.504	pCi/L		07/14/22 23:35	1

Client Sample Results

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

Job ID: 500-218112-2

Client Sample ID: MW-10

Date Collected: 06/14/22 13:05
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-2

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.179		0.123	0.124	1.00	0.177	pCi/L	06/17/22 13:19	07/11/22 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:53*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.37		0.536	0.550	1.00	0.683	pCi/L	06/17/22 13:47	06/24/22 10:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*
Y Carrier	*86.7*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.55		0.550	0.564	5.00	0.683	pCi/L		07/14/22 23:35	1

Client Sample ID: MW-11
Date Collected: 06/13/22 15:44
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-3
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.428		0.166	0.170	1.00	0.172	pCi/L	06/17/22 13:19	07/11/22 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*61.5*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:53*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.01		0.656	0.663	1.00	0.971	pCi/L	06/17/22 13:47	06/24/22 10:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*61.5*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*
Y Carrier	*85.2*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.44		0.677	0.684	5.00	0.971	pCi/L		07/14/22 23:35	1

Client Sample Results

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

Job ID: 500-218112-2

Client Sample ID: MW-12

Date Collected: 06/13/22 14:35
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-4

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.201		0.0946	0.0963	1.00	0.116	pCi/L	06/17/22 13:19	07/11/22 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:53*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.756		0.363	0.369	1.00	0.505	pCi/L	06/17/22 13:47	06/24/22 10:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*
Y Carrier	*84.9*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.957		0.375	0.381	5.00	0.505	pCi/L		07/14/22 23:35	1

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

Job ID: 500-218112-2

Client Sample ID: MW-13

Date Collected: 06/14/22 11:35
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-5

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.730**		0.255	0.264	1.00	0.260	pCi/L	06/17/22 13:19	07/11/22 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.0*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:53*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.857	U G	0.781	0.784	1.00	1.24	pCi/L	06/17/22 13:47	06/24/22 10:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.0*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*
Y Carrier	*86.4*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.59**		0.822	0.827	5.00	1.24	pCi/L		07/14/22 23:35	1

Client Sample ID: MW-14

Date Collected: 06/14/22 10:25
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-6

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.443		0.116	0.123	1.00	0.0895	pCi/L	06/17/22 13:19	07/11/22 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:53*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.691		0.331	0.337	1.00	0.448	pCi/L	06/17/22 13:47	06/24/22 10:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*
Y Carrier	*87.1*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.13		0.351	0.359	5.00	0.448	pCi/L		07/14/22 23:35	1

Client Sample Results

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

Job ID: 500-218112-2

Client Sample ID: MW-15

Date Collected: 06/14/22 09:10
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-7

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.203**		0.0877	0.0896	1.00	0.105	pCi/L	06/17/22 13:19	07/11/22 08:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:53*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.337	U	0.288	0.290	1.00	0.453	pCi/L	06/17/22 13:47	06/24/22 10:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*
Y Carrier	*87.5*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.539**		0.301	0.304	5.00	0.453	pCi/L		07/14/22 23:35	1

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

Job ID: 500-218112-2

Client Sample ID: Duplicate-1

Date Collected: 06/13/22 00:00
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-8

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0245	U	0.0484	0.0485	1.00	0.0868	pCi/L	06/17/22 13:19	07/11/22 13:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*40 - 110*	*06/17/22 13:19*	*07/11/22 13:32*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.740**		0.303	0.310	1.00	0.376	pCi/L	06/17/22 13:47	06/24/22 10:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*
Y Carrier	*86.4*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.765**		0.307	0.314	5.00	0.376	pCi/L		07/14/22 23:35	1

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

Job ID: 500-218112-2

Client Sample ID: Duplicate-2

Date Collected: 06/13/22 00:00
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-9

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.235		0.0943	0.0966	1.00	0.113	pCi/L	06/17/22 13:19	07/11/22 13:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*40 - 110*	*06/17/22 13:19*	*07/11/22 13:32*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.976		0.346	0.357	1.00	0.423	pCi/L	06/17/22 13:47	06/24/22 10:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*
Y Carrier	*84.5*		*40 - 110*	*06/17/22 13:47*	*06/24/22 10:49*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.21		0.359	0.370	5.00	0.423	pCi/L		07/14/22 23:35	1

Client Sample Results

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

Job ID: 500-218112-2

Client Sample ID: MW-1

Date Collected: 06/15/22 08:35
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-10

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00679	U	0.0554	0.0554	1.00	0.114	pCi/L	06/21/22 13:46	07/13/22 12:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*40 - 110*	*06/21/22 13:46*	*07/13/22 12:54*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.951**		0.337	0.348	1.00	0.404	pCi/L	06/21/22 14:21	06/28/22 11:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:11*	*1*
Y Carrier	*92.7*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:11*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.945**		0.342	0.352	5.00	0.404	pCi/L		07/14/22 23:35	1

Client Sample Results

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

Job ID: 500-218112-2

Client Sample ID: MW-2

Date Collected: 06/15/22 09:55
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-11

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.286		0.0993	0.103	1.00	0.0939	pCi/L	06/21/22 13:46	07/13/22 12:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*40 - 110*	*06/21/22 13:46*	*07/13/22 12:55*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.883		0.350	0.360	1.00	0.440	pCi/L	06/21/22 14:21	06/28/22 11:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:11*	*1*
Y Carrier	*95.7*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:11*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.17		0.364	0.374	5.00	0.440	pCi/L		07/14/22 23:35	1

Client Sample Results

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

Job ID: 500-218112-2

Client Sample ID: MW-3

Date Collected: 06/16/22 11:40
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-12

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.277		0.113	0.116	1.00	0.131	pCi/L	06/21/22 13:46	07/13/22 12:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*40 - 110*	*06/21/22 13:46*	*07/13/22 12:55*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.10		0.420	0.432	1.00	0.524	pCi/L	06/21/22 14:21	06/28/22 11:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:11*	*1*
Y Carrier	*93.5*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:11*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.38		0.435	0.447	5.00	0.524	pCi/L		07/14/22 23:35	1

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

Job ID: 500-218112-2

Client Sample ID: MW-4

Date Collected: 06/16/22 10:15
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-13

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.220		0.113	0.114	1.00	0.149	pCi/L	06/21/22 13:46	07/13/22 12:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*40 - 110*	*06/21/22 13:46*	*07/13/22 12:55*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.17		0.407	0.421	1.00	0.489	pCi/L	06/21/22 14:21	06/28/22 11:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:11*	*1*
Y Carrier	*93.8*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:11*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.39		0.422	0.436	5.00	0.489	pCi/L		07/14/22 23:35	1

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

Job ID: 500-218112-2

Client Sample ID: MW-5

Date Collected: 06/16/22 09:10
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-14

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0913		0.0656	0.0661	1.00	0.0871	pCi/L	06/21/22 13:46	07/13/22 12:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*40 - 110*	*06/21/22 13:46*	*07/13/22 12:56*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.270	U	0.289	0.290	1.00	0.471	pCi/L	06/21/22 14:21	06/28/22 11:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:12*	*1*
Y Carrier	*95.7*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:12*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.361	U	0.296	0.297	5.00	0.471	pCi/L		07/14/22 23:35	1

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

Job ID: 500-218112-2

Client Sample ID: MW-7

Date Collected: 06/15/22 13:55
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-15

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.427		0.114	0.120	1.00	0.0961	pCi/L	06/21/22 13:47	07/13/22 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*40 - 110*	*06/21/22 13:47*	*07/13/22 12:57*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.874		0.352	0.361	1.00	0.461	pCi/L	06/21/22 14:21	06/28/22 11:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:13*	*1*
Y Carrier	*95.0*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:13*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.30		0.370	0.380	5.00	0.461	pCi/L		07/14/22 23:35	1

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

Job ID: 500-218112-2

Client Sample ID: MW-8

Date Collected: 06/15/22 12:30
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-16

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.259		0.0984	0.101	1.00	0.0968	pCi/L	06/21/22 13:47	07/13/22 13:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*40 - 110*	*06/21/22 13:47*	*07/13/22 13:37*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.13		0.416	0.429	1.00	0.519	pCi/L	06/21/22 14:21	06/28/22 11:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:13*	*1*
Y Carrier	*95.7*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:13*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.39		0.427	0.441	5.00	0.519	pCi/L		07/14/22 23:35	1

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

Job ID: 500-218112-2

Client Sample ID: MW-9

Date Collected: 06/15/22 11:05
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-17

Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.0889	0.0895	1.00	0.135	pCi/L	06/21/22 14:18	07/13/22 13:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*40 - 110*	*06/21/22 14:18*	*07/13/22 13:37*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.102	U	0.178	0.178	1.00	0.390	pCi/L	06/21/22 14:21	06/28/22 11:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:13*	*1*
Y Carrier	*96.1*		*40 - 110*	*06/21/22 14:21*	*06/28/22 11:13*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0106	U	0.199	0.199	5.00	0.390	pCi/L		07/14/22 23:35	1

Definitions/Glossary

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

Job ID: 500-218112-2

Qualifiers

Rad

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: 570468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total/NA	Water	PrecSep-21	
500-218112-2	MW-10	Total/NA	Water	PrecSep-21	
500-218112-3	MW-11	Total/NA	Water	PrecSep-21	
500-218112-4	MW-12	Total/NA	Water	PrecSep-21	
500-218112-5	MW-13	Total/NA	Water	PrecSep-21	
500-218112-6	MW-14	Total/NA	Water	PrecSep-21	
500-218112-7	MW-15	Total/NA	Water	PrecSep-21	
500-218112-8	Duplicate-1	Total/NA	Water	PrecSep-21	
500-218112-9	Duplicate-2	Total/NA	Water	PrecSep-21	
MB 160-570468/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-570468/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-218112-1 DU	MW-6	Total/NA	Water	PrecSep-21	

Prep Batch: 570471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-1	MW-6	Total/NA	Water	PrecSep_0	
500-218112-2	MW-10	Total/NA	Water	PrecSep_0	
500-218112-3	MW-11	Total/NA	Water	PrecSep_0	
500-218112-4	MW-12	Total/NA	Water	PrecSep_0	
500-218112-5	MW-13	Total/NA	Water	PrecSep_0	
500-218112-6	MW-14	Total/NA	Water	PrecSep_0	
500-218112-7	MW-15	Total/NA	Water	PrecSep_0	
500-218112-8	Duplicate-1	Total/NA	Water	PrecSep_0	
500-218112-9	Duplicate-2	Total/NA	Water	PrecSep_0	
MB 160-570471/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-570471/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-218112-1 DU	MW-6	Total/NA	Water	PrecSep_0	

Prep Batch: 570930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-10	MW-1	Total/NA	Water	PrecSep-21	
500-218112-11	MW-2	Total/NA	Water	PrecSep-21	
500-218112-12	MW-3	Total/NA	Water	PrecSep-21	
500-218112-13	MW-4	Total/NA	Water	PrecSep-21	
500-218112-14	MW-5	Total/NA	Water	PrecSep-21	
500-218112-15	MW-7	Total/NA	Water	PrecSep-21	
500-218112-16	MW-8	Total/NA	Water	PrecSep-21	
500-218112-17	MW-9	Total/NA	Water	PrecSep-21	
MB 160-570930/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-570930/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-218112-10 DU	MW-1	Total/NA	Water	PrecSep-21	

Prep Batch: 570937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-10	MW-1	Total/NA	Water	PrecSep_0	
500-218112-11	MW-2	Total/NA	Water	PrecSep_0	
500-218112-12	MW-3	Total/NA	Water	PrecSep_0	
500-218112-13	MW-4	Total/NA	Water	PrecSep_0	
500-218112-14	MW-5	Total/NA	Water	PrecSep_0	
500-218112-15	MW-7	Total/NA	Water	PrecSep_0	
500-218112-16	MW-8	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 570937 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-218112-17	MW-9	Total/NA	Water	PrecSep_0	
MB 160-570937/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-570937/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-218112-10 DU	MW-1	Total/NA	Water	PrecSep_0	

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-570468/1-A
Matrix: Water
Analysis Batch: 573478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570468

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.005455	U	0.0338	0.0338	1.00	0.0770	pCi/L	06/17/22 13:19	07/11/22 08:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*40 - 110*	*06/17/22 13:19*	*07/11/22 08:52*	*1*

Lab Sample ID: LCS 160-570468/2-A
Matrix: Water
Analysis Batch: 573478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570468

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.493		0.983	1.00	0.0829	pCi/L	84	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*102*		*40 - 110*

Lab Sample ID: 500-218112-1 DU
Matrix: Water
Analysis Batch: 573478

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 570468

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.147			0.07999	U	0.0622	1.00	0.0886	pCi/L			0.47	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*98.8*		*40 - 110*

Lab Sample ID: MB 160-570930/1-A
Matrix: Water
Analysis Batch: 573688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570930

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02463	U	0.0516	0.0517	1.00	0.0937	pCi/L	06/21/22 13:46	07/13/22 09:15	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*40 - 110*	*06/21/22 13:46*	*07/13/22 09:15*	*1*

Lab Sample ID: LCS 160-570930/2-A
Matrix: Water
Analysis Batch: 573688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570930

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.755		1.03	1.00	0.128	pCi/L	86	75 - 125		

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

Lab Sample ID: LCS 160-570930/2-A
Matrix: Water
Analysis Batch: 573688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570930

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.6		40 - 110

Lab Sample ID: 500-218112-10 DU
Matrix: Water
Analysis Batch: 573688

Client Sample ID: MW-1
Prep Type: Total/NA
Prep Batch: 570930

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	-0.00679	U		0.08883	U	0.0695	1.00	0.101	pCi/L			0.77	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	102		40 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-570471/1-A
Matrix: Water
Analysis Batch: 571618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570471

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5165		0.309	0.313	1.00	0.455	pCi/L	06/17/22 13:47	06/24/22 10:47	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	103		40 - 110	06/17/22 13:47	06/24/22 10:47	1
Y Carrier	87.9		40 - 110	06/17/22 13:47	06/24/22 10:47	1

Lab Sample ID: LCS 160-570471/2-A
Matrix: Water
Analysis Batch: 571618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570471

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.51	8.862		1.15	1.00	0.453	pCi/L	104	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	102		40 - 110
Y Carrier	88.6		40 - 110

Lab Sample ID: 500-218112-1 DU
Matrix: Water
Analysis Batch: 571618

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 570471

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	1.08			0.7627		0.324	1.00	0.405	pCi/L			0.42	1

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

Lab Sample ID: 500-218112-1 DU
Matrix: Water
Analysis Batch: 571618

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 570471

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	98.8		40 - 110
Y Carrier	89.0		40 - 110

Lab Sample ID: MB 160-570937/1-A
Matrix: Water
Analysis Batch: 572035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570937

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.8325		0.333	0.342	1.00	0.412	pCi/L	06/21/22 14:21	06/28/22 11:07	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		40 - 110	06/21/22 14:21	06/28/22 11:07	1
Y Carrier	89.3		40 - 110	06/21/22 14:21	06/28/22 11:07	1

Lab Sample ID: LCS 160-570937/2-A
Matrix: Water
Analysis Batch: 572035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570937

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.50	9.318		1.24	1.00	0.443	pCi/L	110	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.6		40 - 110
Y Carrier	89.0		40 - 110

Lab Sample ID: 500-218112-10 DU
Matrix: Water
Analysis Batch: 572035

Client Sample ID: MW-1
Prep Type: Total/NA
Prep Batch: 570937

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.951			0.9216		0.346	1.00	0.423	pCi/L			0.04	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	102		40 - 110
Y Carrier	93.8		40 - 110

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: CORY HIGGINS	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-92124-41061 1
Client Contact: Mitchel Dolan	Phone: 630 277 6038	E-Mail: Diana.Mockler@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:			Job #: 500-218112

Address: 14665 West Lisbon Road Suite 1A
City: Brookfield
State Zip: WI, 53005
Phone: 262-781-0475
Email: mitchell@kprginc.com
500-218112 COC
Project Name: Will County CCR 1N/1S
Site: Illinois

Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 4502041043
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	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, Radium Combined	6010C - Lithium, 6020A - Metals (13 elements), 7470A - Mercury	2540C TDS, 4500FC - Fluoride	SM4500CIE Chloride, SM4500SO4E - Sulfate	Total Number of containers	Special Instructions/Note:
	Preservation Code:							D	D	N	N		
1	MW-6	6/14/22	1425	G	W	N	N					5	*Metals List Sb,As,Ba,Be,B,Cd,Ca,Cr,Co,Pb,Mo,SeTl
2	MW-10	6/14/22	13.05										
3	MW-11	6/13/22	1544										
4	MW-12	6/13/22	14:35										
5	MW-13	6/14/22	11:35										
6	MW-14	6/14/22	10.25										
7	MW-15	6/14/22	0910										
8	DUPLICATE-1	—	—										
9	DUPLICATE-2	—	—	↓	↓	↓	↓	↓	↓	↓	↓	↓	

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

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Cory Higgins	6/15/22 0930			6/15/22 0930	EET
2		6/15/22 1030	EET		6/15/22 1030	EET
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.1 → 1.7, 1.4 → 0.9, 1.7 → 1.2

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

Chain of Custody Record

eurofins Environment Testing America

500-218112

Client Information

Client Contact: Mitchel Dolan	Sampler: CORY HIGGINS	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-92124-41061 1
Company: KPRG and Associates Inc.	Phone: 630 277 6038	E-Mail: Diana.Mockler@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Address: 14665 West Lisbon Road Suite 1A	PWSID:	Analysis Requested		Job #: 12313.3
City: Brookfield	Due Date Requested:			
State Zip: WI 53005	TAT Requested (days):			
Phone: 262-781-0475	Compliance Project: Δ Yes Δ No			
Email: mitcheld@kprginc.com	PO #: 4502041043			
Project Name: Will County CCR 1N/1S	WO #:			
Site: Illinois	Project #: 50011609			
	SSOW#:			

500-218112 COC

Preservation Codes

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0, Radium Combined	6010C - Lithium, 6020A - Metals (13 elements), 7470A - Mercury	2540C TDS, 4500FC - Fluoride	SM4500CIE Chloride, SM4500SO4E - Sulfate	Total Number of containers	Special Instructions/Note.
				Preservation Code:				D	D	N	N		
10	MW-1	6/15/22	08 35	G	W	N	N	X	X	X	X	5	*Metals List Sb,As,Ba,Be,B,Cd,Ca,Cr,Co,Pb,Mo,SeTl
11	MW-2	6/15/22	09 55										
12	MW-3	6/16/22	11 40										
13	MW-4	6/16/22	10 15										
14	MW-5	6/16/22	09 10										
15	MW-7	6/15/22	13 55										
16	MW-8	6/15/22	12 30										
17	MW-9	6/15/22	11 05										

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: Cory Higgins	6/16/22 1350	KPRG	Paula Dudley	6/16/22 1350	EDTA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:
		5.5, 4.0, 5.5, 4.1, 5.4 → 4.0,

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-162168.1
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 #: 500-218112-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 7/6/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Will County CCR	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-1 (500-218112-10)	6/15/22	08:35 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-2 (500-218112-11)	6/15/22	09:55 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-3 (500-218112-12)	6/16/22	11:40 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-4 (500-218112-13)	6/16/22	10:15 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-5 (500-218112-14)	6/16/22	09:10 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-7 (500-218112-15)	6/15/22	13:55 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-8 (500-218112-16)	6/15/22	12:30 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-9 (500-218112-17)	6/15/22	11:05 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Shin Scott	6/16/22 1530	ERTA	FED EX		
2	FED EX			Sierra Worthington	JUN 17 2022 0915	ETAST
3						

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-218112-2

Login Number: 218112
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7,0.9,1.2,4.4,4.1,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-218112-2

Login Number: 218112
List Number: 2
Creator: Bohlmann, Jessica M

List Source: Eurofins St. Louis
List Creation: 06/16/22 11:40 AM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-218112-2

Login Number: 218112
List Number: 3
Creator: Bohlmann, Jessica M

List Source: Eurofins St. Louis
List Creation: 06/17/22 12:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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

Job ID: 500-218112-2

Client Sample ID: MW-6
Date Collected: 06/14/22 14:25
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 08:53	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:47	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-10
Date Collected: 06/14/22 13:05
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 08:53	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:48	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-11
Date Collected: 06/13/22 15:44
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 08:53	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:48	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-12
Date Collected: 06/13/22 14:35
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 08:53	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:48	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Lab Chronicle

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

Job ID: 500-218112-2

Client Sample ID: MW-13
Date Collected: 06/14/22 11:35
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 08:53	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:48	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-14
Date Collected: 06/14/22 10:25
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 08:53	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:48	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-15
Date Collected: 06/14/22 09:10
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 08:53	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:48	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: Duplicate-1
Date Collected: 06/13/22 00:00
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 13:32	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:49	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Lab Chronicle

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

Job ID: 500-218112-2

Client Sample ID: Duplicate-2
Date Collected: 06/13/22 00:00
Date Received: 06/15/22 10:30

Lab Sample ID: 500-218112-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570468	06/17/22 13:19	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 13:32	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570471	06/17/22 13:47	MS	TAL SL
Total/NA	Analysis	904.0		1	571618	06/24/22 10:49	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-1
Date Collected: 06/15/22 08:35
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570930	06/21/22 13:46	MS	TAL SL
Total/NA	Analysis	903.0		1	573688	07/13/22 12:54	JCB	TAL SL
Total/NA	Prep	PrecSep_0			570937	06/21/22 14:21	MS	TAL SL
Total/NA	Analysis	904.0		1	572035	06/28/22 11:11	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-2
Date Collected: 06/15/22 09:55
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570930	06/21/22 13:46	MS	TAL SL
Total/NA	Analysis	903.0		1	573688	07/13/22 12:55	JCB	TAL SL
Total/NA	Prep	PrecSep_0			570937	06/21/22 14:21	MS	TAL SL
Total/NA	Analysis	904.0		1	572035	06/28/22 11:11	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-3
Date Collected: 06/16/22 11:40
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570930	06/21/22 13:46	MS	TAL SL
Total/NA	Analysis	903.0		1	573688	07/13/22 12:55	JCB	TAL SL
Total/NA	Prep	PrecSep_0			570937	06/21/22 14:21	MS	TAL SL
Total/NA	Analysis	904.0		1	572035	06/28/22 11:11	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Lab Chronicle

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

Job ID: 500-218112-2

Client Sample ID: MW-4
Date Collected: 06/16/22 10:15
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570930	06/21/22 13:46	MS	TAL SL
Total/NA	Analysis	903.0		1	573688	07/13/22 12:55	JCB	TAL SL
Total/NA	Prep	PrecSep_0			570937	06/21/22 14:21	MS	TAL SL
Total/NA	Analysis	904.0		1	572035	06/28/22 11:11	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-5
Date Collected: 06/16/22 09:10
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570930	06/21/22 13:46	MS	TAL SL
Total/NA	Analysis	903.0		1	573673	07/13/22 12:56	JCB	TAL SL
Total/NA	Prep	PrecSep_0			570937	06/21/22 14:21	MS	TAL SL
Total/NA	Analysis	904.0		1	572035	06/28/22 11:12	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-7
Date Collected: 06/15/22 13:55
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570930	06/21/22 13:47	MS	TAL SL
Total/NA	Analysis	903.0		1	573673	07/13/22 12:57	JCB	TAL SL
Total/NA	Prep	PrecSep_0			570937	06/21/22 14:21	MS	TAL SL
Total/NA	Analysis	904.0		1	572035	06/28/22 11:13	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Client Sample ID: MW-8
Date Collected: 06/15/22 12:30
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570930	06/21/22 13:47	MS	TAL SL
Total/NA	Analysis	903.0		1	573673	07/13/22 13:37	JCB	TAL SL
Total/NA	Prep	PrecSep_0			570937	06/21/22 14:21	MS	TAL SL
Total/NA	Analysis	904.0		1	572035	06/28/22 11:13	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Lab Chronicle

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

Job ID: 500-218112-2

Client Sample ID: MW-9

Date Collected: 06/15/22 11:05
Date Received: 06/16/22 13:50

Lab Sample ID: 500-218112-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570930	06/21/22 14:18	MS	TAL SL
Total/NA	Analysis	903.0		1	573673	07/13/22 13:37	JCB	TAL SL
Total/NA	Prep	PrecSep_0			570937	06/21/22 14:21	MS	TAL SL
Total/NA	Analysis	904.0		1	572035	06/28/22 11:13	CLP	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573992	07/14/22 23:35	EMH	TAL SL

Laboratory References:

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

Tracer/Carrier Summary

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

Job ID: 500-218112-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (40-110)
500-218112-1	MW-6	84.5
500-218112-1 DU	MW-6	98.8
500-218112-2	MW-10	86.0
500-218112-3	MW-11	61.5
500-218112-4	MW-12	96.5
500-218112-5	MW-13	73.0
500-218112-6	MW-14	93.0
500-218112-7	MW-15	102
500-218112-8	Duplicate-1	106
500-218112-9	Duplicate-2	105
500-218112-10	MW-1	99.2
500-218112-10 DU	MW-1	102
500-218112-11	MW-2	88.4
500-218112-12	MW-3	77.5
500-218112-13	MW-4	82.8
500-218112-14	MW-5	96.2
500-218112-15	MW-7	96.2
500-218112-16	MW-8	81.8
500-218112-17	MW-9	86.3
LCS 160-570468/2-A	Lab Control Sample	102
LCS 160-570930/2-A	Lab Control Sample	90.6
MB 160-570468/1-A	Method Blank	103
MB 160-570930/1-A	Method Blank	93.4

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 (40-110)	Y (40-110)
500-218112-1	MW-6	84.5	86.0
500-218112-1 DU	MW-6	98.8	89.0
500-218112-2	MW-10	86.0	86.7
500-218112-3	MW-11	61.5	85.2
500-218112-4	MW-12	96.5	84.9
500-218112-5	MW-13	73.0	86.4
500-218112-6	MW-14	93.0	87.1
500-218112-7	MW-15	102	87.5
500-218112-8	Duplicate-1	106	86.4
500-218112-9	Duplicate-2	105	84.5
500-218112-10	MW-1	99.2	92.7
500-218112-10 DU	MW-1	102	93.8
500-218112-11	MW-2	88.4	95.7
500-218112-12	MW-3	77.5	93.5
500-218112-13	MW-4	82.8	93.8
500-218112-14	MW-5	96.2	95.7
500-218112-15	MW-7	96.2	95.0

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Job ID: 500-218112-2
Project/Site: Will County CCR

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

Matrix: Water
Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-218112-16	MW-8	81.8	95.7
500-218112-17	MW-9	86.3	96.1
LCS 160-570471/2-A	Lab Control Sample	102	88.6
LCS 160-570937/2-A	Lab Control Sample	90.6	89.0
MB 160-570471/1-A	Method Blank	103	87.9
MB 160-570937/1-A	Method Blank	93.4	89.3

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Date: 6/29/22 WMS **NRG - Groundwater Levels. Location: Will County**

Well ID	Depth to Water	Time	Notes
MW-01	10.70	8:11	
MW-02	11.86	8:29	
MW-03	11.81	8:53	
MW-04	11.85	8:50	
MW-05	10.68	8:46	
MW-06	12.21	9:30	
MW-07	11.74	8:20	
MW-08	12.30	8:37	
MW-09	12.20	9:22	
MW-10	11.50	9:18	
MW-11	11.00	9:11	
MW-12	11.15	9:25	
MW-13	10.95	8:40	
MW-14	11.14	8:25	
MW-15	10.68	8:16	
Pond 3S	2.70	9:04	
Pond 2S	1.28	8:57	
Pond 1S	NA	—	
Pond 1N	NA	—	

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	6/16/22 THURS
Sample Name	MW-05	Start Time	0843	
Condition of Well	Good			
Water Level	10.30	Total Depth		
Well Diameter	PVC – 2 inch	Volume in Well		
Method of Purge	Low-Flow	Purge Characteristics	CLEAR	
Volume Removed	2.5 gal	W L at Sample Time	10:50	
Method of Sample	Low-Flow	Sample Characteristics	CLEAR	
Sample Analysis	CCA/CCR	Sample Time	0910	
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)
8:45		7.21	14.1	1.714	5.66	-155.3	1.66
8:48		7.56	12.0	1.458	1.38	-220.3	2.10
8:51		7.60	11.9	1.431	0.87	-233.4	2.06
8:54		7.44	11.9	1.439	0.79	-224.8	2.10
8:57		7.17	12.0	1.505	0.96	-198.0	2.00
9:00		7.10	12.0	1.549	0.96	-186.9	1.91
9:03		7.05	12.1	1.575	0.83	-181.7	1.76

SAMPLING NOTES:

Sampler Name and Company: CORY HIGGINS, KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	6/14/22 TUES
Sample Name	MW-06	Start Time	14:07	
Condition of Well	Good			
Water Level	11.83	Total Depth		
Well Diameter	PVC – 2 inch	Volume in Well		
Method of Purge	Low-Flow	Purge Characteristics	Clear	
Volume Removed	2gal	W L at Sample Time	11.88	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	CCA/CCR	Sample Time	14:25	
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)
1412		7.07	12.7	1.089	1.85	-203.7	5.63
1415		7.07	12.5	1.074	1.19	-207.6	2.47
1418		7.07	12.6	1.065	0.89	-209.3	2.80
1421		7.06	12.6	1.066	0.75	-208.9	3.20
1424		7.06	12.6	1.063	0.65	-208.9	3.47

SAMPLING NOTES:

Sampler Name and Company: CORY HIGGINS, KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	6/15/22 WDDS
Sample Name	MW - 9	Start Time	10:49	
Condition of Well	GOOD			
Water Level	11.71	Total Depth		
Well Diameter	PVC – 2 inch	Volume in Well		
Method of Purge	Low-Flow	Purge Characteristics	CLEAR	
Volume Removed	3 gal	W L at Sample Time	12.41	
Method of Sample	Low-Flow	Sample Characteristics	CLEAR	
Sample Analysis	CCA / CCR	Sample Time	11:05	
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)
1053		8.23	12.9	1.339	4.38	-226.2	162.63
1056		8.34	12.8	1.331	1.60	-226.8	118.61
1059		8.34	12.7	1.339	1.00	-228.8	112.79
1102		8.35	12.6	1.344	0.80	-232.1	~~HR~~ 113.77

SAMPLING NOTES:

Sampler Name and Company: CORY HIGGINS, KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	6/14/22 TUES
Sample Name	MW-10	Start Time	1250	
Condition of Well	Good			
Water Level	11.18	Total Depth		
Well Diameter	PVC – 2 inch	Volume in Well		
Method of Purge	Low-Flow / Peristaltic	Purge Characteristics	Clear	
Volume Removed	2gal	W L at Sample Time	11.22	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	CCR / CCA	Sample Time	1305	
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)
1253		7.13	13.4	1.343	1.10	-197.9	145.16
1256		7.15	13.1	1.348	0.76	-200.5	208.10
1259		7.00	13.2	1.356	0.61	-189.2	75.35
1302		6.99	13.1	1.359	0.52	-185.3	55.50

SAMPLING NOTES:

Sampler Name and Company: Cory Higgins, KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	~~6~~/13/22 MW
Sample Name	MW-11	Start Time	1525	
Condition of Well	Good			
Water Level	10.50	Total Depth		
Well Diameter	PVC – 2 inch	Volume in Well		
Method of Purge	Low-Flow	Purge Characteristics		
Volume Removed	2.5 gal	W L at Sample Time	11.25	
Method of Sample	Low-Flow	Sample Characteristics	CLEAR	
Sample Analysis	CCR	Sample Time	~~6~~ 1544	
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)
1527		7.39	12.9	1.310	4.37	-136.8	146.36
1530		7.48	11.6	1.266	0.80	-145.8	157.24
1533		7.37	11.8	1.288	0.54	-141.3	93.67
1536		7.27	11.7	1.302	0.49	-183.2	45.05
1539		7.22	11.7	1313	0.48	-180.7	27.05

SAMPLING NOTES:

Sampler Name and Company: CORY HIGGINS, KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	6/13/22 MW
Sample Name	MW-12	Start Time	14:14	
Condition of Well	GOOD			
Water Level	10.45	Total Depth		
Well Diameter	PVC – 2 inch	Volume in Well		
Method of Purge	Low-Flow	Purge Characteristics	CLEAR	
Volume Removed	2 gal	W L at Sample Time	10.50	
Method of Sample	Low-Flow	Sample Characteristics	CLEAR	
Sample Analysis	CCR	Sample Time	1435	
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)
1417		7.04	12.7	1.652	1.30	10.1	5.60
1420		7.03	13.9	1.725	0.78	16.5	4.20
1423		7.03	13.5	1.763	0.65	19.3	3.99
1426		7.03	14.0	1.736	0.61	22.4	3.59
1429		7.03	14.0	1.769	0.56	23.8	3.87
1432		7.03	13.9	1.757	0.55	26.1	4.24

SAMPLING NOTES: CCR DUPLICATE-1 2S/3S CCR

Sampler Name and Company: CORY HIGGINS
KPRG and Associates