

## **DATA SUMMARY POSTING**

Station: Midwest Generation Joliet #9 Generating Station

Regulated Unit(s): Lincoln Stone Quarry (IEPA ID No. W1970450046-01)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 3<sup>rd</sup> quarter 2024 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

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

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

Well	Date	Boron	Cadmium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
UGS up gradient	11/20/2017	0.81	120	180	0.35	7.20	290	800	< 0.001	0.0011	0.044	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.006	< 0.0002	0.0120	1.76	< 0.0025	< 0.002	
	6/30/2016	0.48	87	110	0.34	7.50	170	470	< 0.001	0.0075	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.008	2.05	< 0.0025	< 0.002	
	8/25/2016	0.47	94	100	0.35	7.28	170	790	< 0.001	0.0076	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.0086	1.91	< 0.0025	< 0.002	
	11/16/2016	0.41	91	99	0.31	7.14	170	620	< 0.001	0.011	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.0084	2.04	< 0.0025	< 0.002	
	2/14/2017	0.43	97	97	0.32	7.36	160	620	< 0.001	0.0093	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.0083	1.85	< 0.0025	< 0.002	
	5/1/2017	0.35	85	110	< 0.31	7.21	150	600	< 0.001	0.0082	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.0097	1.40	< 0.0025	< 0.002	
	5/17/2017	0.42	94	120	< 0.31	7.25	150	600	< 0.001	0.0086	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.010	< 0.0002	0.009	1.48	< 0.0025	< 0.002	
	9/26/2017	0.43	110	130	0.33	7.11	160	790	< 0.001	0.0096	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.0079	2.14	< 0.0025	< 0.002	
	11/17/2017	0.36	96	120	0.33	7.28	150	790	< 0.001	0.0091	0.036	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.008	2.45	< 0.0025	< 0.002	
	3/9/2018	0.38	97	110	0.32	7.18	160	790	< 0.001	0.0093	0.036	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.008	1.89	< 0.0025	< 0.002	
	5/11/2018	0.76	110	120	0.32	7.00	220	970	NA	0.0072	0.047	NA	NA	NA	NA	< 0.001	< 0.0005	0.013	NA	0.011	2.17	< 0.0025	NA
	12/7/2018	0.46	97	120	0.33	7.00	140	740	NA	0.0091	0.044	NA	NA	NA	NA	< 0.001	< 0.0005	0.011	NA	0.010	1.93	< 0.0025	NA
	6/28/2019	0.39	96	130	0.33	7.51	120	720	NA	0.0100	0.039	NA	NA	NA	NA	< 0.001	< 0.0005	0.012	NA	0.0087	1.99	< 0.0025	NA
	11/14/2019	0.46	110	170	0.33	7.11	130	830	NA	0.0100	0.042	NA	NA	NA	NA	< 0.001	< 0.0005	0.010	NA	0.0100	2.49	< 0.0025	NA
	6/26/2020	0.62	130	220	0.33	7.21	240	970	NA	0.011	0.046	NA	NA	NA	NA	< 0.001	< 0.0005	0.010	NA	0.0109	3.11	< 0.0025	NA
	12/11/2020	0.70	130	180	0.38	7.16	220	760	NA	0.011	0.042	NA	NA	NA	NA	< 0.001	* < 0.0005	0.008	NA	0.012	1.88	< 0.0025	NA
	6/28/2021	0.44	91	110	0.35	7.20	150	600	< 0.001	0.0081	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.0091	2.14	< 0.0025	< 0.002	
	9/23/2021	0.39	85	110	0.35	7.13	140	600	< 0.001	0.01	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.0076	1.77	< 0.0025	< 0.002	
	12/16/2021	0.34	84	87	0.36	7.35	130	510	< 0.001	0.0092	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.0073	1.74	< 0.0025	< 0.002	
	3/16/2022	< 0.5	130	86	0.36	7.35	130	700	< 0.001	0.0081	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.0081	2.02	< 0.0025	< 0.002	
6/10/2022	0.34	84	110	0.35	7.28	130	630	< 0.001	0.0082	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.0072	2.17	< 0.0025	< 0.002		
9/26/2022	0.48	97	130	0.35	7.14	180	830	< 0.001	0.0096	0.04	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.011	2.63	< 0.0025	< 0.002		
12/12/2022	0.39	110	190	0.32	7.06	190	920	< 0.001	0.0091	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.0089	2.91	< 0.0025	< 0.002		
3/23/2023	0.44	91	130	0.35	7.30	140	740	< 0.001	0.0090	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.011	2.28	< 0.0025	< 0.002		
6/1/2023	0.46	92	120	0.36	7.24	150	610	< 0.001	0.0094	0.038	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.011	1.68	< 0.0025	< 0.002		
9/14/2023	0.45	87	120	0.35	7.15	F1 150	600	< 0.001	0.0091	0.033	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.009	1.95	< 0.0025	< 0.002		
12/29/2023	0.50	100	180	0.38	7.48	160	880	* < 0.001	0.0091	0.039	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.009	2.16	< 0.0025	< 0.002		
3/12/2024	0.39	84	110	0.36	7.49	160	880	* < 0.001	0.0081	0.035	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.008	2.46	< 0.0025	< 0.002		
6/12/2024	0.79	140	200	0.38	7.35	150	660	< 0.001	0.0089	0.033	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.008	1.76	< 0.0025	< 0.002		
8/21/2024	0.62	96	120	0.31	7.20	150	700	< 0.001	0.0086	0.036	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.008	1.42	< 0.0025	< 0.002		
11/19/2024	0.85	110	120	0.27	7.07	110	500	< 0.001	0.0081	0.034	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.008	1.90	< 0.0025	< 0.002		
5/5/2016	0.84	100	100	0.01	7.16	190	820	< 0.001	0.0013	0.004	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.008	< 0.0002	0.003	1.43	< 0.0025	< 0.002		
6/26/2016	0.94	100	90	0.19	7.30	190	710	< 0.001	0.0011	0.006	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.007	< 0.0002	0.007	1.18	< 0.0025	< 0.002		
8/25/2016	1.1	110	99	0.26	7.23	180	800	< 0.001	0.001	0.006	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.006	< 0.0002	0.004	1.54	< 0.0025	< 0.002		
11/17/2016	1.3	120	100	0.19	7.14	150	810	< 0.001	0.0012	0.006	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.002	< 0.0002	0.004	1.41	< 0.0025	< 0.002		
1/16/2017	0.8	100	100	0.26	7.36	200	810	< 0.001	0.001	0.006	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.002	< 0.0002	0.004	1.12	< 0.0025	< 0.002		
5/21/2017	1.4	110	78	0.23	7.25	160	740	< 0.001	0.0017	0.008	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.003	< 0.0002	0.003	1.21	< 0.0025	< 0.002		
7/27/2017	1.1	110	F1 71	< 0.1	7.22	180	710	< 0.001	< 0.001	0.0078	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.009	< 0.0002	0.009	1.11	< 0.0025	< 0.002		
10/26/2017	1.3	110	80	0.21	7.19	240	790	< 0.001	0.0016	0.006	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.003	< 0.0002	0.004	1.14	< 0.0025	< 0.002		
11/20/2017	1.7	98	90	0.24	7.13	240	710	< 0.001	0.0014	0.007	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.002	< 0.0002	0.002	1.59	< 0.0025	< 0.002		
1/7/2018	1.5	110	110	0.24	7.14	260	900	< 0.001	0.0014	0.005	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.001	< 0.0002	0.002	1.30	< 0.0025	< 0.002		
3/13/2018	1.8	110	82	0.24	7.07	210	790	NA	NA	0.001	NA	NA	NA	NA	NA	< 0.001	< 0.0005	0.001	2.40	< 0.0025	NA		
12/1/2018	1.8	100	100	0.24	7.46	160	800	NA	0.0014	0.005	NA	NA	NA	NA	0.0012	< 0.0005	0.001	0.26	1.31	< 0.0025	NA		
6/14/2019	0.9	100	80	0.27	7.17	200	800	NA	0.0029	0.006	NA	NA	NA	NA	0.0029	< 0.0005	0.001	0.29	1.31	< 0.0025	NA		
10/28/2019	1.5	100	71	0.24	7.19	< 500	700	NA	< 0.0010	0.008	NA	NA	NA	NA	0.0011	< 0.0005	0.006	NA	0.210	1.38	< 0.0025	NA	
6/23/2020	2.3	97	74	0.33	7.29	240	740	NA	0.0024	0.005	NA	NA	NA	NA	< 0.001	< 0.0005	0.005						

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

Well	Date	Boron	Cadmium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Methylmercury	Radon 222 - 228 Count/100	Selenium	Thallium
G45B down gradient	11/19/2017	1.3	99	88	0.28	7.52	210	840	< 0.003	0.0018	0.033	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.16	1.928	< 0.0025	< 0.002
	11/19/2017	1.0	140	140	0.32	7.38	200	800	< 0.003	0.0021	0.031	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.16	1.928	< 0.0025	< 0.002
	6/29/2016	2.5	110	110	0.35	7.51	300	900	< 0.003	0.0021	0.042	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.0002	0.48	2.39	< 0.0025	< 0.002
	8/29/2016	3.0	120	120	0.4	7.39	330	990	< 0.003	0.0014	0.043	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.0002	0.48	2.39	< 0.0025	< 0.002
	11/18/2016	3.1	120	99	0.34	7.39	330	990	< 0.003	0.0021	0.043	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.0002	0.48	2.39	< 0.0025	< 0.002
	2/16/2017	F1 4.0	120	99	0.34	7.39	330	990	< 0.003	0.002	0.039	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.064	< 0.0002	0.57	1.76	FI < 0.0025	< 0.002
	5/25/2017	6.1	140	96	0.42	7.51	330	990	< 0.003	0.0024	0.037	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.17	1.82	< 0.0025	< 0.002
	7/27/2017	6.2	120	96	0.42	7.51	330	990	< 0.003	0.0021	0.034	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.17	1.82	< 0.0025	< 0.002
	9/26/2017	4.8	140	78	0.36	7.59	290	870	< 0.003	0.003	0.044	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.086	< 0.0002	0.57	1.79	< 0.0025	< 0.002
	11/27/2017	4.7	120	96	0.42	7.59	290	870	< 0.003	0.0021	0.044	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.17	1.82	< 0.0025	< 0.002
	1/7/2018	5.8	130	86	0.32	7.57	300	900	< 0.003	0.0029	0.042	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.17	1.82	< 0.0025	< 0.002
	5/13/2018	4.4	120	77	0.29	7.12	310	1000	NA	0.0024	0.04	NA	NA	NA	NA	< 0.005	0.11	NA	0.64	2.22	< 0.0025	NA
	12/13/2018	1.5	120	F1 77	0.43	7.43	280	840	NA	0.0041	0.044	NA	NA	NA	0.080	NA	0.080	NA	0.580	2.13	< 0.0025	NA
	6/27/2019	6.3	140	74	0.27	7.33	380	880	NA	0.0027	0.041	NA	NA	NA	< 0.005	< 0.0005	0.090	NA	0.830	2.67	< 0.0025	NA
	11/6/2019	4.8	100	89	0.27	7.45	380	880	NA	< 0.001	0.039	NA	NA	NA	< 0.005	< 0.0005	0.11	NA	0.580	2.19	< 0.0025	NA
	6/29/2020	6.0	130	71	0.28	7.47	400	790	NA	NA	0.038	NA	NA	NA	< 0.005	< 0.001	0.11	NA	0.64	2.92	< 0.0025	NA
	12/16/2020	6.1	150	F1 66	0.31	7.43	430	840	NA	0.0025	0.038	NA	NA	NA	< 0.001	* < 0.0005	0.11	NA	0.75	3.22	FI < 0.0025	NA
	6/29/2021	B 6.0	130	86	0.26	7.16	420	790	< 0.003	< 0.001	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.073	< 0.0002	0.53	2.00	< 0.0025	< 0.002
	9/29/2021	6.0	100	86	0.3	7.07	520	920	< 0.003	0.0029	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.07	< 0.0002	0.95	2.45	< 0.0025	< 0.002
	12/15/2021	4.9	120	99	0.32	7.42	490	990	< 0.003	0.0016	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.097	< 0.0002	0.75	2.48	< 0.0025	< 0.002
3/16/2022	4.9	86	90	0.31	7.56	430	1180	< 0.003	0.0027	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.083	< 0.0002	0.51	2.61	< 0.0025	< 0.002	
6/10/2022	5.5	120	54	0.31	7.23	460	880	< 0.003	0.0017	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.089	< 0.0002	0.58	2.96	< 0.0025	< 0.002	
9/26/2022	5.1	130	57	0.30	7.27	450	870	< 0.003	0.0035	0.034	FI+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	0.69	2.77	< 0.0025	< 0.002	
12/16/2022	4.7	130	41	0.31	7.41	400	800	< 0.003	0.0021	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.63	2.06	< 0.0025	< 0.002	
3/23/2023	4.6	130	56	0.29	7.51	390	900	< 0.003	0.0029	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	0.62	1.86	< 0.0025	< 0.002	
6/25/2023	1.4	100	86	0.29	7.07	380	770	< 0.003	0.0016	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.085	< 0.0002	0.495	2.03	< 0.0025	< 0.002	
9/12/2023	2.8	88	88	0.29	7.69	380	790	< 0.0025	< 0.0025	0.030	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	0.074	< 0.0002	0.42	1.97	< 0.0025	< 0.002	
12/18/2023	1.4	88	88	0.28	7.43	390	780	< 0.0025	< 0.0010	0.027	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	0.076	< 0.0002	0.031	2.54	< 0.0025	< 0.002	
3/15/2024	1.0	41	41	0.28	7.44	370	740	* < 0.0005	< 0.0011	0.022	* < 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	0.069	< 0.0002	0.12	3.12	< 0.0025	< 0.002	
6/21/2024	0.36	84	37	0.30	7.52	360	740	< 0.0030	< 0.0010	0.029	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	0.069	< 0.0002	0.046	1.97	< 0.0025	< 0.002	
9/29/2024	1.0	120	47	0.24	7.17	340	840	< 0.0020	0.0014	0.024	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	0.083	< 0.0002	0.38	2.52	< 0.0025	< 0.002	
11/29/2024	1.0	120	47	0.24	7.11	320	800	< 0.003	0.0011	0.021	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.077	< 0.0002	0.160	1.60	< 0.0025	< 0.002	
5/9/2016	0.91	110	37	0.18	7.39	120	660	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.046	< 0.415	< 0.0025	< 0.002	
6/26/2016	0.99	100	32	0.18	7.59	120	660	< 0.003	< 0.001	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.025	0.739	< 0.0025	< 0.002	
8/26/2016	0.89	120	26	0.19	7.12	110	710	< 0.003	< 0.001	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.045	0.816	< 0.0025	< 0.002	
11/16/2016	0.82	120	26	0.17	7.15	88	530	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.041	0.479	< 0.0025	< 0.002	
1/16/2017	0.82	120	26	0.18	7.38	120	660	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.041	0.479	< 0.0025	< 0.002	
5/24/2017	0.83	120	31	0.19	7.08	95	600	< 0.003	< 0.001	0.048	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.031	1.02	< 0.0025	< 0.002	
7/10/2017	0.83	110	30	< 0.1	7.09	110	700	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.063	0.667	< 0.0025	< 0.002	
9/26/2017	0.99	130	39	0.13	0.88	100	740	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.041	0.614	< 0.0025	< 0.002	
11/21/2017	0.79	130	35	0.18	7.06	120	640	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.052	0.913	< 0.0025	< 0.002	
1/7/2018	0.91	120	35	0.18	7.19	110	670	< 0.003	0.0014	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.049	1.31	< 0.0025	< 0.002	
3/15/2018	0.98	120	35	0.18	7.04	100	780	NA	NA	0.054	NA	NA	NA	NA	< 0.005	0.016	NA	0.714	1.01	< 0.0025	NA	
12/16/2018	1.1	120	43	0.19	7.41	78	630	NA	< 0.001	0.057	NA	NA	NA	NA	< 0.005	0.019	NA	0.454	< 0.0025	NA		
6/19/2019	1.1	120	43	0.19	7.05	140	720	NA	< 0.001	0.055	NA	NA	NA	NA	< 0.005	0.019	NA	0.411	< 0.0025	NA		
11/12/2019	1.1	140	53	0.21	7.22	160	670	NA	< 0.001	0.055	NA	NA	NA	NA	< 0.005	0.026	NA	0.20	1.01	< 0.0025	NA	
6/29/2020	1.4	140	52																			

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

Well ID	Date	Turbidity (NTU)
G45S	3/12/2021	0.87
	4/5/2021	0.33
	4/23/2021	0.54
	5/18/2021	0.36
	6/8/2021	0.64
	7/2/2021	1.4
	8/12/2021	0.36
	9/2/2021	0.46
	12/16/2021	0.89
	3/16/2022	0.98
	6/10/2022	0.03
	9/26/2022	0.29
	12/21/2022	2.04
	3/23/2023	1.13
	6/30/2023	0.42
	9/14/2023	0.97
	12/20/2023	1.74
3/12/2024	0.58	
6/21/2024	0.79	
8/29/2024	3.09	
T03S	3/15/2021	2.42
	4/1/2021	0.44
	4/22/2021	94
	5/17/2021	0.47
	6/7/2021	0.47
	7/1/2021	0.3
	8/12/2021	0.34
	9/1/2021	0.67
	12/9/2021	0.56
	3/14/2022	0.65
	6/13/2022	-0.1
	9/29/2022	0.53
	12/21/2022	2.03
	3/20/2023	1.19
	6/30/2023	0.39
	9/13/2023	0.22
	12/12/2023	1.23
3/12/2024	3.37	
6/24/2024	1.05	
9/4/2024	1.57	
R08S	3/12/2021	0.19
	4/1/2021	0.46
	4/23/2021	0.34
	5/18/2021	0.24
	6/8/2021	0.2
	7/1/2021	0.17
	8/12/2021	0.58
	9/2/2021	0.42
	12/14/2021	0.57
	3/11/2022	0.52
	6/7/2022	0.23
	9/19/2022	0.36
	12/19/2022	1.01
	3/22/2023	1.41
	6/28/2023	0.34
	9/7/2023	0.15
	12/20/2023	3.33
2/29/2024	0.64	
6/19/2024	0.40	
8/27/2024	0.74	
G20S	3/12/2021	0.32
	4/1/2021	0.29
	4/22/2021	0.14
	5/18/2021	0.63
	6/8/2021	0.2
	7/1/2021	0.29
	8/12/2021	0.32
	9/2/2021	0.48
	12/10/2021	1.28
	3/15/2022	0.46
	6/7/2022	0.5
	9/19/2022	2.47
	12/19/2022	2.61
	3/14/2023	0.39
	6/28/2023	0.25
	9/6/2023	1.17
	12/11/2023	1.40
2/29/2024	4.18	
6/18/2024	0.80	
8/23/2024	0.39	
G30S	3/12/2021	0.05
	4/2/2021	0.14
	4/23/2021	0.25
	5/18/2021	0.43
	6/8/2021	0.61
	7/2/2021	0.48
	8/13/2021	0.31
	9/2/2021	0.48
	12/15/2021	0.09
	3/15/2022	0.45
	6/10/2022	0.16
	9/28/2022	0.61
	12/19/2022	1.04
	3/17/2023	2.43
	6/29/2023	0.74
	9/12/2023	0.71
	12/19/2023	3.05
3/7/2024	4.14	
6/19/2024	0.26	
8/26/2024	0.57	

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

Well ID	Date	Turbidity (NTU)
R32S	3/12/2021	0.42
	4/5/2021	0.81
	4/23/2021	1.23
	5/18/2021	1.78
	6/8/2021	1.14
	7/2/2021	0.42
	8/13/2021	0.57
	9/30/2021	0.39
	12/15/2021	0.84
	3/16/2022	1.31
	6/10/2022	-0.1
	9/26/2022	0.66
	12/16/2022	1.53
	3/23/2023	1.59
	6/29/2023	0.74
	9/12/2023	0.52
12/19/2023	2.10	
3/7/2024	0.83	
6/21/2024	1.03	
8/29/2024	2.52	
G44S	3/15/2021	3.66
	4/5/2021	3.89
	4/23/2021	3.31
	5/18/2021	1.41
	6/8/2021	1.42
	7/2/2021	1.37
	8/12/2021	1.56
	9/2/2021	1.38
	12/16/2021	1.29
	3/15/2022	1.09
	6/9/2022	0.78
	9/26/2022	0.86
	12/21/2022	11.7
	3/15/2023	1.13
	6/29/2023	3.04
	9/13/2023	0.93
12/19/2023	12.60	
3/6/2024	6.71	
6/21/2024	3.52	
8/29/2024	3.59	
G46S	3/15/2021	18.4
	4/5/2021	106.5
	4/23/2021	59.2
	5/18/2021	181
	6/8/2021	3140
	7/1/2021	11.6
	8/12/2021	112
	9/2/2021	43.3
	12/15/2021	73.1
	3/11/2022	99.3
	6/9/2022	6.63
	9/26/2022	34.4
	12/20/2022	77.9
	3/22/2023	88.61
	6/29/2023	32.30
	9/13/2023	113
12/20/2023	58.70	
3/7/2024	71.10	
6/20/2024	8.46	
8/27/2024	56.30	
G47S	3/15/2021	0.12
	4/5/2021	0.1
	4/22/2021	0.16
	5/18/2021	0.14
	6/8/2021	0.53
	7/1/2021	0.3
	8/13/2021	0.18
	9/2/2021	0.68
	12/16/2021	0.59
	3/16/2022	0.26
	6/9/2022	-0.11
	9/26/2022	0.35
	12/21/2022	0.76
	3/23/2023	1.12
	6/30/2023	0.76
	9/7/2023	0.18
12/18/2023	1.15	
3/4/2024	0.74	
6/20/2024	0.48	
8/28/2024	0.82	
G48S	3/15/2021	0.47
	4/5/2021	0.14
	4/22/2021	0.22
	5/18/2021	0.44
	6/8/2021	0.24
	7/1/2021	0.91
	8/13/2021	0.23
	9/2/2021	0.63
	12/16/2021	0.62
	3/16/2022	0.31
	6/9/2022	0.22
	9/26/2022	0.96
	12/21/2022	3.73
	3/23/2023	3.13
	6/30/2023	1.87
	9/7/2023	1.56
12/18/2023	2.61	
3/12/2024	1.08	
6/20/2024	0.61	
8/28/2024	1.63	

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kaelyn Sperle  
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## JOB DESCRIPTION

Joliet #9 (Quarry) CCR 3Q24

## JOB NUMBER

500-255604-1

# Eurofins Chicago

## Job Notes

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# Case Narrative

Client: KPRG and Associates, Inc.  
Project: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Job ID: 500-255604-1**

**Eurofins Chicago**

## Job Narrative 500-255604-1

### Receipt

The samples were received on 8/23/2024 3:45 PM, 8/26/2024 2:25 PM, 8/27/2024 1:25 PM, 8/28/2024 2:55 PM, 8/29/2024 2:35 PM, 9/3/2024 3:08 PM, 9/4/2024 2:30 PM and 9/5/2024 1:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 2.0°C, 2.8°C, 3.7°C, 3.8°C, 3.8°C, 3.8°C, 4.1°C and 5.7°C.

### Metals

Method 6020B - Total Recoverable: The initial low level calibration verification (ICVL) result for batch 500-784174 was above the upper control limit. The affected analyte is: Antimony. Sample results were non-detects, and have been reported as qualified data.

Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 500-784174 recovered above the upper control limit for Beryllium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: G30S (500-255604-3), R08S (500-255604-5), G46S (500-255604-6), G48S (500-255604-8) and G47S (500-255604-9). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: T05S (500-255604-18) and T08S (500-255604-20). Elevated reporting limits (RLs) are provided.

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

### General Chemistry

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

### Field Service / Mobile Lab

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

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# Method Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
9056A	Anions, Ion Chromatography	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
Field Sampling	Field Sampling	EPA	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI

#### Protocol References:

EPA = US Environmental Protection Agency

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

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

#### Laboratory References:

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

# Sample Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-255604-1	G20S	Water	08/23/24 11:33	08/23/24 15:45
500-255604-2	G33S	Water	08/26/24 09:53	08/26/24 14:25
500-255604-3	G30S	Water	08/26/24 11:26	08/26/24 14:25
500-255604-4	G31S	Water	08/26/24 13:20	08/26/24 14:25
500-255604-5	R08S	Water	08/27/24 09:40	08/27/24 13:25
500-255604-6	G46S	Water	08/27/24 10:44	08/27/24 13:25
500-255604-7	G39S	Water	08/27/24 12:14	08/27/24 13:25
500-255604-8	G48S	Water	08/28/24 10:01	08/28/24 14:55
500-255604-9	G47S	Water	08/28/24 11:22	08/28/24 14:55
500-255604-10	T13S	Water	08/28/24 12:25	08/28/24 14:55
500-255604-11	T12S	Water	08/28/24 13:50	08/28/24 14:55
500-255604-12	G44S	Water	08/29/24 09:56	08/29/24 14:35
500-255604-13	G44S Dup	Water	08/29/24 09:56	08/29/24 14:35
500-255604-14	R32S	Water	08/29/24 12:09	08/29/24 14:35
500-255604-15	G45S	Water	08/29/24 13:16	08/29/24 14:35
500-255604-16	T09S	Water	09/03/24 10:43	09/03/24 15:08
500-255604-17	T06S	Water	09/03/24 11:57	09/03/24 15:08
500-255604-18	T05S	Water	09/03/24 13:32	09/03/24 15:08
500-255604-19	T02S	Water	09/04/24 10:41	09/04/24 14:30
500-255604-20	T08S	Water	09/04/24 12:11	09/04/24 14:30
500-255604-21	T03S	Water	09/04/24 13:22	09/04/24 14:30
500-255604-22	T11S	Water	09/05/24 10:02	09/05/24 13:20
500-255604-23	T01S	Water	09/05/24 11:24	09/05/24 13:20

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G20S**

**Lab Sample ID: 500-255604-1**

Date Collected: 08/23/24 11:33

Matrix: Water

Date Received: 08/23/24 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:19	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:19	1
<b>Barium</b>	<b>0.046</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 14:19	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:19	1
<b>Boron</b>	<b>1.3</b>		0.050		mg/L		08/29/24 08:36	09/09/24 14:18	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:19	1
<b>Calcium</b>	<b>62</b>		0.20		mg/L		08/29/24 08:36	08/30/24 14:19	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:19	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:19	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:19	1
<b>Lithium</b>	<b>0.040</b>		0.010		mg/L		08/29/24 08:36	09/05/24 15:40	1
<b>Molybdenum</b>	<b>0.020</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 14:19	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:19	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>400</b>		10		mg/L			08/25/24 23:26	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>16</b>		2.0		mg/L			08/28/24 14:01	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.73</b>		0.10		mg/L			08/26/24 15:26	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>64</b>		10		mg/L			09/04/24 15:01	2

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>50.02</b>				ft			08/23/24 11:33	1
<b>Depth to Water (ft from MP)</b>	<b>52.80</b>				ft			08/23/24 11:33	1
<b>Elevation of well (ft from MP)</b>	<b>580.87</b>				ft			08/23/24 11:33	1
<b>Field pH</b>	<b>7.18</b>				SU			08/23/24 11:33	1
<b>Field Temperature</b>	<b>86.9</b>				Degrees F			08/23/24 11:33	1
<b>Ground Water Elevation</b>	<b>528.07</b>				ft			08/23/24 11:33	1
<b>Specific Conductance</b>	<b>715</b>				umhos/cm			08/23/24 11:33	1
<b>Well bottom elevation</b>	<b>442.28</b>				ft			08/23/24 11:33	1
<b>Field Turbidity</b>	<b>0.39</b>				NTU			08/23/24 11:33	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G33S**

**Lab Sample ID: 500-255604-2**

Date Collected: 08/26/24 09:53

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:30	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:30	1
<b>Barium</b>	<b>0.053</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 14:30	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:30	1
<b>Boron</b>	<b>0.80</b>		0.050		mg/L		08/29/24 08:36	09/09/24 14:30	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:30	1
<b>Calcium</b>	<b>64</b>		0.20		mg/L		08/29/24 08:36	08/30/24 14:30	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:30	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:30	1
<b>Lead</b>	<b>0.00093</b>		0.00050		mg/L		08/29/24 08:36	08/30/24 14:30	1
<b>Lithium</b>	<b>0.030</b>		0.010		mg/L		08/29/24 08:36	09/05/24 15:53	1
Molybdenum	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:30	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:30	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>350</b>		10		mg/L			08/27/24 21:57	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>13</b>		2.0		mg/L			08/28/24 14:02	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.43</b>		0.10		mg/L			09/11/24 14:02	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>68</b>		10		mg/L			09/04/24 15:01	2

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>33.51</b>				ft			08/26/24 09:53	1
<b>Depth to Water (ft from MP)</b>	<b>35.24</b>				ft			08/26/24 09:53	1
<b>Elevation of well (ft from MP)</b>	<b>535.67</b>				ft			08/26/24 09:53	1
<b>Field pH</b>	<b>7.66</b>				SU			08/26/24 09:53	1
<b>Field Temperature</b>	<b>65.5</b>				Degrees F			08/26/24 09:53	1
<b>Ground Water Elevation</b>	<b>500.43</b>				ft			08/26/24 09:53	1
<b>Specific Conductance</b>	<b>736</b>				umhos/cm			08/26/24 09:53	1
<b>Well bottom elevation</b>	<b>452.72</b>				ft			08/26/24 09:53	1
<b>Field Turbidity</b>	<b>4.68</b>				NTU			08/26/24 09:53	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G30S**

**Lab Sample ID: 500-255604-3**

Date Collected: 08/26/24 11:26

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:32	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:32	1
<b>Barium</b>	<b>0.047</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 14:32	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:32	1
<b>Boron</b>	<b>5.1</b>		0.50		mg/L		08/29/24 08:36	09/09/24 14:32	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:32	1
<b>Calcium</b>	<b>70</b>		0.20		mg/L		08/29/24 08:36	08/30/24 14:32	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:32	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:32	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:32	1
Lithium	<0.050		0.050		mg/L		08/29/24 08:36	09/05/24 15:55	5
Molybdenum	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:32	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:32	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1300</b>		10		mg/L			08/27/24 22:04	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>200</b>		20		mg/L			08/28/24 14:02	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.76</b>		0.10		mg/L			09/11/24 14:07	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>490</b>		50		mg/L			09/04/24 15:14	10

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>-0.76</b>				ft			08/26/24 11:26	1
<b>Depth to Water (ft from MP)</b>	<b>1.55</b>				ft			08/26/24 11:26	1
<b>Elevation of well (ft from MP)</b>	<b>524.86</b>				ft			08/26/24 11:26	1
<b>Field pH</b>	<b>7.59</b>				SU			08/26/24 11:26	1
<b>Field Temperature</b>	<b>66.2</b>				Degrees F			08/26/24 11:26	1
<b>Ground Water Elevation</b>	<b>523.31</b>				ft			08/26/24 11:26	1
<b>Specific Conductance</b>	<b>1970</b>				umhos/cm			08/26/24 11:26	1
<b>Well bottom elevation</b>	<b>462.58</b>				ft			08/26/24 11:26	1
<b>Field Turbidity</b>	<b>0.57</b>				NTU			08/26/24 11:26	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G31S**

**Lab Sample ID: 500-255604-4**

Date Collected: 08/26/24 13:20

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:50	1
<b>Arsenic</b>	<b>0.0025</b>		0.0010		mg/L		08/29/24 08:36	08/30/24 14:50	1
<b>Barium</b>	<b>0.050</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 14:50	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:50	1
<b>Boron</b>	<b>3.3</b>		0.050		mg/L		08/29/24 08:36	09/09/24 14:40	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:50	1
<b>Calcium</b>	<b>180</b>		0.20		mg/L		08/29/24 08:36	08/30/24 14:50	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:50	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:50	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:50	1
<b>Lithium</b>	<b>0.087</b>		0.010		mg/L		08/29/24 08:36	09/05/24 16:03	1
<b>Molybdenum</b>	<b>0.59</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 14:50	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:50	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1300</b>		10		mg/L			08/27/24 22:10	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>270</b>		20		mg/L			08/28/24 14:02	10
<b>Fluoride (SM 4500 F C)</b>	<b>0.21</b>		0.10		mg/L			09/11/24 14:12	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>420</b>		50		mg/L			09/04/24 15:15	10

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	28.30				ft			08/26/24 13:20	1
Depth to Water (ft from MP)	30.88				ft			08/26/24 13:20	1
Elevation of well (ft from MP)	535.73				ft			08/26/24 13:20	1
Field pH	7.46				SU			08/26/24 13:20	1
Field Temperature	63.0				Degrees F			08/26/24 13:20	1
Ground Water Elevation	504.85				ft			08/26/24 13:20	1
Specific Conductance	2180				umhos/cm			08/26/24 13:20	1
Well bottom elevation	453.36				ft			08/26/24 13:20	1
Field Turbidity	0.66				NTU			08/26/24 13:20	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: R08S**

**Lab Sample ID: 500-255604-5**

Date Collected: 08/27/24 09:40

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:57	1
<b>Arsenic</b>	<b>0.0012</b>		0.0010		mg/L		08/29/24 08:36	08/30/24 14:57	1
<b>Barium</b>	<b>0.042</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 14:57	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:57	1
<b>Boron</b>	<b>8.9</b>		0.50		mg/L		08/29/24 08:36	09/09/24 14:42	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:57	1
<b>Calcium</b>	<b>140</b>		0.20		mg/L		08/29/24 08:36	08/30/24 14:57	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:57	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:57	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:57	1
<b>Lithium</b>	<b>0.16</b>		0.010		mg/L		08/29/24 08:36	08/30/24 14:57	1
<b>Molybdenum</b>	<b>0.40</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 14:57	1
<b>Selenium</b>	<b>0.0097</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 14:57	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>770</b>		10		mg/L			08/28/24 22:56	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>69</b>		4.0		mg/L			08/28/24 14:02	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.11</b>		0.10		mg/L			09/11/24 14:17	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>410</b>		50		mg/L			09/04/24 15:13	10

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>66.28</b>				ft			08/27/24 09:40	1
<b>Depth to Water (ft from MP)</b>	<b>68.83</b>				ft			08/27/24 09:40	1
<b>Elevation of well (ft from MP)</b>	<b>578.66</b>				ft			08/27/24 09:40	1
<b>Field pH</b>	<b>7.98</b>				SU			08/27/24 09:40	1
<b>Field Temperature</b>	<b>60.8</b>				Degrees F			08/27/24 09:40	1
<b>Ground Water Elevation</b>	<b>509.83</b>				ft			08/27/24 09:40	1
<b>Specific Conductance</b>	<b>1085</b>				umhos/cm			08/27/24 09:40	1
<b>Well bottom elevation</b>	<b>453.08</b>				ft			08/27/24 09:40	1
<b>Field Turbidity</b>	<b>0.74</b>				NTU			08/27/24 09:40	1



# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G46S**

**Lab Sample ID: 500-255604-6**

Date Collected: 08/27/24 10:44

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 15:17	1
<b>Arsenic</b>	<b>0.073</b>		0.0010		mg/L		08/29/24 08:36	08/30/24 15:17	1
<b>Barium</b>	<b>0.046</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 15:17	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:17	1
<b>Boron</b>	<b>10</b>		0.50		mg/L		08/29/24 08:36	09/09/24 14:44	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:17	1
<b>Calcium</b>	<b>130</b>		0.20		mg/L		08/29/24 08:36	08/30/24 15:17	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 15:17	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:17	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:17	1
<b>Lithium</b>	<b>0.22</b>		0.010		mg/L		08/29/24 08:36	08/30/24 15:17	1
<b>Molybdenum</b>	<b>1.2</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 15:17	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 15:17	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1000</b>		10		mg/L			08/28/24 23:03	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>55</b>		4.0		mg/L			08/28/24 14:03	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.23</b>		0.10		mg/L			09/11/24 14:40	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>500</b>		50		mg/L			09/04/24 14:57	10

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>85.30</b>				ft			08/27/24 10:44	1
<b>Depth to Water (ft from MP)</b>	<b>88.00</b>				ft			08/27/24 10:44	1
<b>Elevation of well (ft from MP)</b>	<b>601.41</b>				ft			08/27/24 10:44	1
<b>Field pH</b>	<b>7.55</b>				SU			08/27/24 10:44	1
<b>Field Temperature</b>	<b>63.7</b>				Degrees F			08/27/24 10:44	1
<b>Ground Water Elevation</b>	<b>513.41</b>				NTU			08/27/24 10:44	1
<b>Specific Conductance</b>	<b>1407</b>				umhos/cm			08/27/24 10:44	1
<b>Well bottom elevation</b>	<b>453.62</b>				ft			08/27/24 10:44	1
<b>Field Turbidity</b>	<b>56.30</b>				inH2O			08/27/24 10:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G39S**

**Lab Sample ID: 500-255604-7**

Date Collected: 08/27/24 12:14

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 15:38	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:38	1
<b>Barium</b>	<b>0.039</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 15:38	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:38	1
<b>Boron</b>	<b>0.30</b>		0.050		mg/L		08/29/24 08:36	09/09/24 14:46	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:38	1
<b>Calcium</b>	<b>110</b>		0.20		mg/L		08/29/24 08:36	08/30/24 15:38	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 15:38	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:38	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:38	1
<b>Lithium</b>	<b>0.012</b>		0.010		mg/L		08/29/24 08:36	08/30/24 15:38	1
<b>Molybdenum</b>	<b>0.0078</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 15:38	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 15:38	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>590</b>		10		mg/L			08/28/24 23:08	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>25</b>		2.0		mg/L			08/28/24 14:02	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.17</b>		0.10		mg/L			09/11/24 14:56	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>84</b>		10		mg/L			09/04/24 14:57	2

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>92.63</b>				ft			08/27/24 12:14	1
<b>Depth to Water (ft from MP)</b>	<b>94.71</b>				ft			08/27/24 12:14	1
<b>Elevation of well (ft from MP)</b>	<b>598.75</b>				ft			08/27/24 12:14	1
<b>Field pH</b>	<b>7.31</b>				SU			08/27/24 12:14	1
<b>Field Temperature</b>	<b>57.9</b>				Degrees F			08/27/24 12:14	1
<b>Ground Water Elevation</b>	<b>504.04</b>				ft			08/27/24 12:14	1
<b>Specific Conductance</b>	<b>865</b>				umhos/cm			08/27/24 12:14	1
<b>Well bottom elevation</b>	<b>454.15</b>				ft			08/27/24 12:14	1
<b>Field Turbidity</b>	<b>0.93</b>				NTU			08/27/24 12:14	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G48S**

**Lab Sample ID: 500-255604-8**

Date Collected: 08/28/24 10:01

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 15:40	1
<b>Arsenic</b>	<b>0.0080</b>		0.0010		mg/L		08/29/24 08:36	08/30/24 15:40	1
<b>Barium</b>	<b>0.022</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 15:40	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:40	1
<b>Boron</b>	<b>5.6</b>		0.50		mg/L		08/29/24 08:36	09/09/24 14:49	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:40	1
<b>Calcium</b>	<b>43</b>		0.20		mg/L		08/29/24 08:36	08/30/24 15:40	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 15:40	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:40	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:40	1
<b>Lithium</b>	<b>0.032</b>		0.010		mg/L		08/29/24 08:36	08/30/24 15:40	1
<b>Molybdenum</b>	<b>0.43</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 15:40	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 15:40	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>970</b>		10		mg/L			08/28/24 23:11	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>81</b>		4.0		mg/L			08/29/24 16:36	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.77</b>		0.10		mg/L			09/11/24 15:00	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>410</b>		50		mg/L			09/04/24 15:15	10

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>99.41</b>				ft			08/28/24 10:01	1
<b>Depth to Water (ft from MP)</b>	<b>101.86</b>				ft			08/28/24 10:01	1
<b>Elevation of well (ft from MP)</b>	<b>620.77</b>				ft			08/28/24 10:01	1
<b>Field pH</b>	<b>7.77</b>				SU			08/28/24 10:01	1
<b>Field Temperature</b>	<b>64.2</b>				Degrees F			08/28/24 10:01	1
<b>Ground Water Elevation</b>	<b>518.91</b>				ft			08/28/24 10:01	1
<b>Specific Conductance</b>	<b>1520</b>				umhos/cm			08/28/24 10:01	1
<b>Well bottom elevation</b>	<b>468.32</b>				ft			08/28/24 10:01	1
<b>Field Turbidity</b>	<b>1.63</b>				NTU			08/28/24 10:01	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G47S**

**Lab Sample ID: 500-255604-9**

Date Collected: 08/28/24 11:22

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 15:56	1
<b>Arsenic</b>	<b>0.027</b>		0.0010		mg/L		08/29/24 08:36	08/30/24 15:56	1
<b>Barium</b>	<b>0.012</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 15:56	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:56	1
<b>Boron</b>	<b>6.0</b>		0.50		mg/L		08/29/24 08:36	09/09/24 14:51	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:56	1
<b>Calcium</b>	<b>14</b>		0.20		mg/L		08/29/24 08:36	08/30/24 15:56	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 15:56	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:56	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:56	1
<b>Lithium</b>	<b>0.059</b>		0.010		mg/L		08/29/24 08:36	08/30/24 15:56	1
<b>Molybdenum</b>	<b>0.48</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 15:56	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 15:56	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1100</b>		10		mg/L			08/28/24 23:13	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>84</b>		4.0		mg/L			08/29/24 16:35	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.46</b>		0.10		mg/L			09/11/24 15:05	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>450</b>		50		mg/L			09/04/24 15:15	10

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	89.49				ft			08/28/24 11:22	1
Depth to Water (ft from MP)	91.99				ft			08/28/24 11:22	1
Elevation of well (ft from MP)	612.23				ft			08/28/24 11:22	1
Field pH	7.81				SU			08/28/24 11:22	1
Field Temperature	64.9				Degrees F			08/28/24 11:22	1
Ground Water Elevation	520.24				ft			08/28/24 11:22	1
Specific Conductance	1630				umhos/cm			08/28/24 11:22	1
Well bottom elevation	459.84				ft			08/28/24 11:22	1
Field Turbidity	0.82				NTU			08/28/24 11:22	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T13S**

**Lab Sample ID: 500-255604-10**

Date Collected: 08/28/24 12:25

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 16:11	1
<b>Arsenic</b>	<b>0.0022</b>		0.0010		mg/L		08/29/24 08:36	08/30/24 16:11	1
<b>Barium</b>	<b>0.055</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 16:11	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 16:11	1
<b>Boron</b>	<b>0.41</b>		0.050		mg/L		08/29/24 08:36	09/09/24 14:53	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 16:11	1
<b>Calcium</b>	<b>100</b>		0.20		mg/L		08/29/24 08:36	08/30/24 16:11	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 16:11	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 16:11	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 16:11	1
<b>Lithium</b>	<b>0.023</b>		0.010		mg/L		08/29/24 08:36	08/30/24 16:11	1
<b>Molybdenum</b>	<b>0.012</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 16:11	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 16:11	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 16:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>550</b>		10		mg/L			08/28/24 23:16	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>31</b>		2.0		mg/L			08/29/24 16:16	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.18</b>		0.10		mg/L			09/11/24 15:10	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>160</b>	<b>F1</b>	25		mg/L			09/04/24 15:16	5

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>17.43</b>				ft			08/28/24 12:25	1
<b>Depth to Water (ft from MP)</b>	<b>20.19</b>				ft			08/28/24 12:25	1
<b>Elevation of well (ft from MP)</b>	<b>525.33</b>				ft			08/28/24 12:25	1
<b>Field pH</b>	<b>7.46</b>				SU			08/28/24 12:25	1
<b>Field Temperature</b>	<b>62.8</b>				Degrees F			08/28/24 12:25	1
<b>Ground Water Elevation</b>	<b>505.14</b>				ft			08/28/24 12:25	1
<b>Specific Conductance</b>	<b>969</b>				umhos/cm			08/28/24 12:25	1
<b>Well bottom elevation</b>	<b>452.21</b>				ft			08/28/24 12:25	1
<b>Field Turbidity</b>	<b>6.21</b>				NTU			08/28/24 12:25	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T12S**

**Lab Sample ID: 500-255604-11**

Date Collected: 08/28/24 13:50

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 16:14	1
<b>Arsenic</b>	<b>0.066</b>		0.0010		mg/L		08/29/24 08:36	08/30/24 16:14	1
<b>Barium</b>	<b>0.083</b>		0.0025		mg/L		08/29/24 08:36	08/30/24 16:14	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 16:14	1
<b>Boron</b>	<b>4.8</b>		0.050		mg/L		08/29/24 08:36	09/09/24 14:55	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 16:14	1
<b>Calcium</b>	<b>130</b>		0.20		mg/L		08/29/24 08:36	08/30/24 16:14	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 16:14	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 16:14	1
<b>Lead</b>	<b>0.00081</b>		0.00050		mg/L		08/29/24 08:36	08/30/24 16:14	1
<b>Lithium</b>	<b>0.13</b>		0.010		mg/L		08/29/24 08:36	08/30/24 16:14	1
<b>Molybdenum</b>	<b>0.31</b>		0.0050		mg/L		08/29/24 08:36	08/30/24 16:14	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 16:14	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>790</b>		10		mg/L			08/28/24 23:18	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>72</b>		4.0		mg/L			08/29/24 16:35	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.15</b>		0.10		mg/L			09/11/24 15:14	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>230</b>		25		mg/L			09/04/24 17:08	5

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	71.37				ft			08/28/24 13:50	1
Depth to Water (ft from MP)	74.11				ft			08/28/24 13:50	1
Elevation of well (ft from MP)	578.74				ft			08/28/24 13:50	1
Field pH	7.42				SU			08/28/24 13:50	1
Field Temperature	58.6				Degrees F			08/28/24 13:50	1
Ground Water Elevation	504.63				ft			08/28/24 13:50	1
Specific Conductance	1123				umhos/cm			08/28/24 13:50	1
Well bottom elevation	452.24				ft			08/28/24 13:50	1
Field Turbidity	94.30				NTU			08/28/24 13:50	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G44S**

**Lab Sample ID: 500-255604-12**

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/30/24 08:14	09/06/24 17:25	1
Arsenic	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:24	1
<b>Barium</b>	<b>0.071</b>		0.0025		mg/L		08/30/24 08:14	09/04/24 14:24	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:24	1
<b>Boron</b>	<b>1.4</b>		0.050		mg/L		08/30/24 08:14	09/04/24 14:24	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:24	1
<b>Calcium</b>	<b>140</b>		0.20		mg/L		08/30/24 08:14	09/06/24 17:25	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 14:24	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:24	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:24	1
<b>Lithium</b>	<b>0.022</b>		0.010		mg/L		08/30/24 08:14	09/04/24 14:24	1
<b>Molybdenum</b>	<b>0.15</b>		0.0050		mg/L		08/30/24 08:14	09/04/24 14:24	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 14:24	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>760</b>		10		mg/L			09/03/24 21:38	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>60</b>		4.0		mg/L			09/04/24 12:34	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.18</b>		0.10		mg/L			09/11/24 15:18	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>160</b>		25		mg/L			09/04/24 14:58	5

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>82.58</b>				ft			08/29/24 09:56	1
<b>Depth to Water (ft from MP)</b>	<b>84.76</b>				ft			08/29/24 09:56	1
<b>Elevation of well (ft from MP)</b>	<b>586.68</b>				ft			08/29/24 09:56	1
<b>Field pH</b>	<b>7.34</b>				SU			08/29/24 09:56	1
<b>Field Temperature</b>	<b>59.5</b>				Degrees F			08/29/24 09:56	1
<b>Ground Water Elevation</b>	<b>501.92</b>				ft			08/29/24 09:56	1
<b>Specific Conductance</b>	<b>1165</b>				umhos/cm			08/29/24 09:56	1
<b>Well bottom elevation</b>	<b>455.11</b>				ft			08/29/24 09:56	1
<b>Field Turbidity</b>	<b>3.59</b>				NTU			08/29/24 09:56	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G44S Dup**

**Lab Sample ID: 500-255604-13**

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/30/24 08:14	09/06/24 17:27	1
Arsenic	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:26	1
<b>Barium</b>	<b>0.071</b>		0.0025		mg/L		08/30/24 08:14	09/04/24 14:26	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:26	1
<b>Boron</b>	<b>1.5</b>		0.050		mg/L		08/30/24 08:14	09/04/24 14:26	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:26	1
<b>Calcium</b>	<b>140</b>		0.20		mg/L		08/30/24 08:14	09/06/24 17:27	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 14:26	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:26	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:26	1
<b>Lithium</b>	<b>0.024</b>		0.010		mg/L		08/30/24 08:14	09/04/24 14:26	1
<b>Molybdenum</b>	<b>0.16</b>		0.0050		mg/L		08/30/24 08:14	09/04/24 14:26	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 14:26	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>770</b>		10		mg/L			09/03/24 21:45	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>60</b>		4.0		mg/L			09/04/24 12:34	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.18</b>		0.10		mg/L			09/11/24 15:23	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>160</b>		25		mg/L			09/04/24 14:58	5

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>82.58</b>				ft			08/29/24 09:56	1
<b>Depth to Water (ft from MP)</b>	<b>84.76</b>				ft			08/29/24 09:56	1
<b>Elevation of well (ft from MP)</b>	<b>586.68</b>				ft			08/29/24 09:56	1
<b>Field pH</b>	<b>7.34</b>				SU			08/29/24 09:56	1
<b>Field Temperature</b>	<b>59.5</b>				Degrees F			08/29/24 09:56	1
<b>Ground Water Elevation</b>	<b>501.92</b>				ft			08/29/24 09:56	1
<b>Specific Conductance</b>	<b>1165</b>				umhos/cm			08/29/24 09:56	1
<b>Well bottom elevation</b>	<b>455.11</b>				ft			08/29/24 09:56	1
<b>Field Turbidity</b>	<b>3.59</b>				NTU			08/29/24 09:56	1



# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: R32S**

**Lab Sample ID: 500-255604-14**

Date Collected: 08/29/24 12:09

Matrix: Water

Date Received: 08/29/24 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/30/24 08:14	09/06/24 17:30	1
<b>Arsenic</b>	<b>0.0014</b>		0.0010		mg/L		08/30/24 08:14	09/04/24 14:28	1
<b>Barium</b>	<b>0.034</b>		0.0025		mg/L		08/30/24 08:14	09/04/24 14:28	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:28	1
<b>Boron</b>	<b>3.0</b>		0.050		mg/L		08/30/24 08:14	09/04/24 14:28	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:28	1
<b>Calcium</b>	<b>120</b>		0.20		mg/L		08/30/24 08:14	09/06/24 17:30	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 14:28	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:28	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:28	1
<b>Lithium</b>	<b>0.083</b>		0.010		mg/L		08/30/24 08:14	09/04/24 14:28	1
<b>Molybdenum</b>	<b>0.38</b>		0.0050		mg/L		08/30/24 08:14	09/04/24 14:28	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 14:28	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>840</b>		10		mg/L			09/03/24 21:51	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>47</b>		2.0		mg/L			09/04/24 11:51	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.24</b>		0.10		mg/L			09/11/24 15:36	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>410</b>		50		mg/L			09/04/24 15:14	10

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>21.78</b>				ft			08/29/24 12:09	1
<b>Depth to Water (ft from MP)</b>	<b>23.81</b>				ft			08/29/24 12:09	1
<b>Elevation of well (ft from MP)</b>	<b>536.97</b>				ft			08/29/24 12:09	1
<b>Field pH</b>	<b>7.67</b>				SU			08/29/24 12:09	1
<b>Field Temperature</b>	<b>55.9</b>				Degrees F			08/29/24 12:09	1
<b>Ground Water Elevation</b>	<b>513.16</b>				ft			08/29/24 12:09	1
<b>Specific Conductance</b>	<b>995</b>				umhos/cm			08/29/24 12:09	1
<b>Well bottom elevation</b>	<b>457.84</b>				ft			08/29/24 12:09	1
<b>Field Turbidity</b>	<b>2.52</b>				NTU			08/29/24 12:09	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G45S**

**Lab Sample ID: 500-255604-15**

Date Collected: 08/29/24 13:16

Matrix: Water

Date Received: 08/29/24 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/30/24 08:14	09/06/24 17:32	1
<b>Arsenic</b>	<b>0.0080</b>		0.0010		mg/L		08/30/24 08:14	09/04/24 14:30	1
<b>Barium</b>	<b>0.036</b>		0.0025		mg/L		08/30/24 08:14	09/04/24 14:30	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:30	1
<b>Boron</b>	<b>0.45</b>		0.050		mg/L		08/30/24 08:14	09/04/24 14:30	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:30	1
<b>Calcium</b>	<b>96</b>		0.20		mg/L		08/30/24 08:14	09/06/24 17:32	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 14:30	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:30	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:30	1
<b>Lithium</b>	<b>0.027</b>		0.010		mg/L		08/30/24 08:14	09/04/24 14:30	1
<b>Molybdenum</b>	<b>0.0084</b>		0.0050		mg/L		08/30/24 08:14	09/04/24 14:30	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 14:30	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>700</b>		10		mg/L			09/03/24 21:53	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		10		mg/L			09/04/24 12:34	5
<b>Fluoride (SM 4500 F C)</b>	<b>0.31</b>		0.10		mg/L			09/11/24 15:40	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>150</b>		25		mg/L			09/04/24 14:59	5

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>59.54</b>				ft			08/29/24 13:16	1
<b>Depth to Water (ft from MP)</b>	<b>62.51</b>				ft			08/29/24 13:16	1
<b>Elevation of well (ft from MP)</b>	<b>603.80</b>				ft			08/29/24 13:16	1
<b>Field pH</b>	<b>7.30</b>				SU			08/29/24 13:16	1
<b>Field Temperature</b>	<b>60.6</b>				Degrees F			08/29/24 13:16	1
<b>Ground Water Elevation</b>	<b>541.29</b>				ft			08/29/24 13:16	1
<b>Specific Conductance</b>	<b>1038</b>				umhos/cm			08/29/24 13:16	1
<b>Well bottom elevation</b>	<b>471.05</b>				ft			08/29/24 13:16	1
<b>Field Turbidity</b>	<b>3.09</b>				NTU			08/29/24 13:16	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T09S**

**Lab Sample ID: 500-255604-16**

Date Collected: 09/03/24 10:43

Matrix: Water

Date Received: 09/03/24 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 15:27	1
<b>Arsenic</b>	<b>0.0023</b>		0.0010		mg/L		09/06/24 08:49	09/09/24 15:27	1
<b>Barium</b>	<b>0.059</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 15:27	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:27	1
<b>Boron</b>	<b>4.5</b>		0.25		mg/L		09/06/24 08:49	09/16/24 11:20	5
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:27	1
<b>Calcium</b>	<b>130</b>		0.20		mg/L		09/06/24 08:49	09/09/24 15:27	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:27	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:27	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:27	1
<b>Lithium</b>	<b>0.093</b>		0.010		mg/L		09/06/24 08:49	09/10/24 14:42	1
<b>Molybdenum</b>	<b>0.54</b>		0.0050		mg/L		09/06/24 08:49	09/09/24 15:27	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 15:27	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>830</b>		10		mg/L			09/03/24 21:56	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>56</b>		4.0		mg/L			09/04/24 12:34	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.25</b>		0.10		mg/L			09/11/24 15:44	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>320</b>		50		mg/L			09/04/24 15:14	10

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>109.19</b>				ft			09/03/24 10:43	1
<b>Depth to Water (ft from MP)</b>	<b>111.59</b>				ft			09/03/24 10:43	1
<b>Elevation of well (ft from MP)</b>	<b>603.48</b>				ft			09/03/24 10:43	1
<b>Field pH</b>	<b>7.78</b>				SU			09/03/24 10:43	1
<b>Field Temperature</b>	<b>55.2</b>				Degrees F			09/03/24 10:43	1
<b>Ground Water Elevation</b>	<b>491.89</b>				ft			09/03/24 10:43	1
<b>Specific Conductance</b>	<b>1191</b>				umhos/cm			09/03/24 10:43	1
<b>Well bottom elevation</b>	<b>444.80</b>				ft			09/03/24 10:43	1
<b>Field Turbidity</b>	<b>20.40</b>				NTU			09/03/24 10:43	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T06S**

**Lab Sample ID: 500-255604-17**

Date Collected: 09/03/24 11:57

Matrix: Water

Date Received: 09/03/24 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 15:29	1
Arsenic	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:29	1
<b>Barium</b>	<b>0.036</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 15:29	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:29	1
<b>Boron</b>	<b>0.89</b>		0.050		mg/L		09/06/24 08:49	09/16/24 11:22	1
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:29	1
<b>Calcium</b>	<b>90</b>		0.20		mg/L		09/06/24 08:49	09/09/24 15:29	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:29	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:29	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:29	1
<b>Lithium</b>	<b>0.026</b>		0.010		mg/L		09/06/24 08:49	09/10/24 14:45	1
<b>Molybdenum</b>	<b>0.022</b>		0.0050		mg/L		09/06/24 08:49	09/09/24 15:29	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 15:29	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>480</b>		10		mg/L			09/04/24 02:24	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>15</b>		2.0		mg/L			09/04/24 11:52	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.37</b>		0.10		mg/L			09/11/24 15:49	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>97</b>		10		mg/L			09/04/24 14:59	2

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>115.06</b>				ft			09/03/24 11:57	1
<b>Depth to Water (ft from MP)</b>	<b>117.36</b>				ft			09/03/24 11:57	1
<b>Elevation of well (ft from MP)</b>	<b>621.05</b>				ft			09/03/24 11:57	1
<b>Field pH</b>	<b>7.28</b>				SU			09/03/24 11:57	1
<b>Field Temperature</b>	<b>71.6</b>				Degrees F			09/03/24 11:57	1
<b>Ground Water Elevation</b>	<b>503.69</b>				ft			09/03/24 11:57	1
<b>Specific Conductance</b>	<b>798</b>				umhos/cm			09/03/24 11:57	1
<b>Well bottom elevation</b>	<b>447.94</b>				ft			09/03/24 11:57	1
<b>Field Turbidity</b>	<b>5.98</b>				NTU			09/03/24 11:57	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T05S**

**Lab Sample ID: 500-255604-18**

Date Collected: 09/03/24 13:32

Matrix: Water

Date Received: 09/03/24 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 15:31	1
<b>Arsenic</b>	<b>0.13</b>		0.0010		mg/L		09/06/24 08:49	09/09/24 15:31	1
<b>Barium</b>	<b>0.0074</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 15:31	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:31	1
<b>Boron</b>	<b>13</b>		0.50		mg/L		09/06/24 08:49	09/16/24 11:24	10
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:31	1
<b>Calcium</b>	<b>1.7</b>		0.20		mg/L		09/06/24 08:49	09/09/24 15:31	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:31	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:31	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:31	1
Lithium	<0.050		0.050		mg/L		09/06/24 08:49	09/10/24 14:47	5
<b>Molybdenum</b>	<b>1.1</b>		0.0050		mg/L		09/06/24 08:49	09/09/24 15:31	1
<b>Selenium</b>	<b>0.0030</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 15:31	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1500</b>		10		mg/L			09/04/24 02:26	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		10		mg/L			09/04/24 12:35	5
<b>Fluoride (SM 4500 F C)</b>	<b>1.5</b>		0.10		mg/L			09/11/24 15:54	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>610</b>		100		mg/L			09/04/24 15:14	20

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>119.64</b>				ft			09/03/24 13:32	1
<b>Depth to Water (ft from MP)</b>	<b>122.04</b>				ft			09/03/24 13:32	1
<b>Elevation of well (ft from MP)</b>	<b>623.50</b>				ft			09/03/24 13:32	1
<b>Field pH</b>	<b>9.13</b>				SU			09/03/24 13:32	1
<b>Field Temperature</b>	<b>68.4</b>				Degrees F			09/03/24 13:32	1
<b>Ground Water Elevation</b>	<b>501.46</b>				ft			09/03/24 13:32	1
<b>Specific Conductance</b>	<b>2380</b>				umhos/cm			09/03/24 13:32	1
<b>Well bottom elevation</b>	<b>448.35</b>				ft			09/03/24 13:32	1
<b>Field Turbidity</b>	<b>2.76</b>				NTU			09/03/24 13:32	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: T02S

## Lab Sample ID: 500-255604-19

Date Collected: 09/04/24 10:41

Matrix: Water

Date Received: 09/04/24 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 15:52	1
<b>Arsenic</b>	<b>0.0077</b>		0.0010		mg/L		09/06/24 08:49	09/09/24 15:52	1
<b>Barium</b>	<b>0.22</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 15:52	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:52	1
<b>Boron</b>	<b>3.7</b>		0.25		mg/L		09/06/24 08:49	09/16/24 11:26	5
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:52	1
<b>Calcium</b>	<b>89</b>		0.20		mg/L		09/06/24 08:49	09/09/24 15:52	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:52	1
<b>Cobalt</b>	<b>0.0012</b>		0.0010		mg/L		09/06/24 08:49	09/09/24 15:52	1
<b>Lead</b>	<b>0.012</b>		0.00050		mg/L		09/06/24 08:49	09/09/24 15:52	1
<b>Lithium</b>	<b>0.044</b>		0.010		mg/L		09/06/24 08:49	09/10/24 14:56	1
<b>Molybdenum</b>	<b>0.30</b>		0.0050		mg/L		09/06/24 08:49	09/09/24 15:52	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 15:52	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:40	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sulfate (SW846 9056A)</b>	<b>310</b>		20		mg/L			09/14/24 17:00	20
<b>Total Dissolved Solids (SM 2540C)</b>	<b>910</b>		10		mg/L			09/05/24 04:14	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>100</b>		10		mg/L			09/09/24 13:41	5
<b>Fluoride (SM 4500 F C)</b>	<b>0.29</b>		0.10		mg/L			09/11/24 15:59	1

### Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>130.98</b>				ft			09/04/24 10:41	1
<b>Depth to Water (ft from MP)</b>	<b>133.31</b>				ft			09/04/24 10:41	1
<b>Elevation of well (ft from MP)</b>	<b>626.12</b>				ft			09/04/24 10:41	1
<b>Field pH</b>	<b>7.70</b>				SU			09/04/24 10:41	1
<b>Field Temperature</b>	<b>64.9</b>				Degrees F			09/04/24 10:41	1
<b>Ground Water Elevation</b>	<b>492.81</b>				ft			09/04/24 10:41	1
<b>Specific Conductance</b>	<b>1277</b>				umhos/cm			09/04/24 10:41	1
<b>Well bottom elevation</b>	<b>453.40</b>				ft			09/04/24 10:41	1
<b>Field Turbidity</b>	<b>68.70</b>				NTU			09/04/24 10:41	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T08S**

**Lab Sample ID: 500-255604-20**

Date Collected: 09/04/24 12:11

Matrix: Water

Date Received: 09/04/24 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 15:59	1
<b>Arsenic</b>	<b>0.012</b>		0.0010		mg/L		09/06/24 08:49	09/09/24 15:59	1
<b>Barium</b>	<b>0.024</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 15:59	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:59	1
<b>Boron</b>	<b>6.9</b>		0.25		mg/L		09/06/24 08:49	09/16/24 11:29	5
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:59	1
<b>Calcium</b>	<b>16</b>		0.20		mg/L		09/06/24 08:49	09/09/24 15:59	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:59	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:59	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:59	1
<b>Lithium</b>	<b>0.060</b>		0.050		mg/L		09/06/24 08:49	09/10/24 14:58	5
<b>Molybdenum</b>	<b>0.63</b>		0.0050		mg/L		09/06/24 08:49	09/09/24 15:59	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 15:59	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sulfate (SW846 9056A)</b>	<b>430</b>		20		mg/L			09/14/24 17:46	20
<b>Total Dissolved Solids (SM 2540C)</b>	<b>930</b>		10		mg/L			09/05/24 04:16	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>73</b>		4.0		mg/L			09/09/24 13:41	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.44</b>		0.10		mg/L			09/11/24 16:04	1

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>126.50</b>				ft			09/04/24 12:11	1
<b>Depth to Water (ft from MP)</b>	<b>128.88</b>				ft			09/04/24 12:11	1
<b>Elevation of well (ft from MP)</b>	<b>627.55</b>				ft			09/04/24 12:11	1
<b>Field pH</b>	<b>8.09</b>				SU			09/04/24 12:11	1
<b>Field Temperature</b>	<b>73.4</b>				Degrees F			09/04/24 12:11	1
<b>Ground Water Elevation</b>	<b>498.67</b>				ft			09/04/24 12:11	1
<b>Specific Conductance</b>	<b>1372</b>				umhos/cm			09/04/24 12:11	1
<b>Well bottom elevation</b>	<b>447.38</b>				ft			09/04/24 12:11	1
<b>Field Turbidity</b>	<b>3.05</b>				NTU			09/04/24 12:11	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T03S**

**Lab Sample ID: 500-255604-21**

Date Collected: 09/04/24 13:22

Matrix: Water

Date Received: 09/04/24 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 16:05	1
Arsenic	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:05	1
<b>Barium</b>	<b>0.076</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 16:05	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:05	1
<b>Boron</b>	<b>1.3</b>		0.050		mg/L		09/06/24 08:49	09/16/24 11:31	1
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:05	1
<b>Calcium</b>	<b>130</b>		0.20		mg/L		09/06/24 08:49	09/09/24 16:05	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 16:05	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:05	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:05	1
<b>Lithium</b>	<b>0.025</b>		0.010		mg/L		09/06/24 08:49	09/10/24 15:01	1
<b>Molybdenum</b>	<b>0.11</b>		0.0050		mg/L		09/06/24 08:49	09/09/24 16:05	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 16:05	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sulfate (SW846 9056A)</b>	<b>190</b>		10		mg/L			09/14/24 18:01	10
<b>Total Dissolved Solids (SM 2540C)</b>	<b>850</b>		10		mg/L			09/05/24 04:19	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		10		mg/L			09/09/24 13:41	5
<b>Fluoride (SM 4500 F C)</b>	<b>0.17</b>		0.10		mg/L			09/11/24 16:09	1

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>134.32</b>				ft			09/04/24 13:22	1
<b>Depth to Water (ft from MP)</b>	<b>137.40</b>				ft			09/04/24 13:22	1
<b>Elevation of well (ft from MP)</b>	<b>629.85</b>				ft			09/04/24 13:22	1
<b>Field pH</b>	<b>7.58</b>				SU			09/04/24 13:22	1
<b>Field Temperature</b>	<b>55.6</b>				Degrees F			09/04/24 13:22	1
<b>Ground Water Elevation</b>	<b>492.45</b>				ft			09/04/24 13:22	1
<b>Specific Conductance</b>	<b>1307</b>				umhos/cm			09/04/24 13:22	1
<b>Well bottom elevation</b>	<b>456.70</b>				ft			09/04/24 13:22	1
<b>Field Turbidity</b>	<b>1.57</b>				NTU			09/04/24 13:22	1



# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T11S**

**Lab Sample ID: 500-255604-22**

Date Collected: 09/05/24 10:02

Matrix: Water

Date Received: 09/05/24 13:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 16:08	1
<b>Arsenic</b>	<b>0.0012</b>		0.0010		mg/L		09/06/24 08:49	09/09/24 16:08	1
<b>Barium</b>	<b>0.048</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 16:08	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:08	1
<b>Boron</b>	<b>0.27</b>		0.050		mg/L		09/06/24 08:49	09/16/24 11:33	1
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:08	1
<b>Calcium</b>	<b>120</b>		0.20		mg/L		09/06/24 08:49	09/09/24 16:08	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 16:08	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:08	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:08	1
<b>Lithium</b>	<b>0.021</b>		0.010		mg/L		09/06/24 08:49	09/10/24 15:03	1
Molybdenum	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 16:08	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 16:08	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sulfate (SW846 9056A)</b>	<b>190</b>		10		mg/L			09/14/24 18:16	10
<b>Total Dissolved Solids (SM 2540C)</b>	<b>550</b>		10		mg/L			09/06/24 01:47	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>40</b>		2.0		mg/L			09/09/24 13:22	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.21</b>		0.10		mg/L			09/11/24 16:13	1

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

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>62.21</b>				ft			09/05/24 10:02	1
<b>Depth to Water (ft from MP)</b>	<b>64.95</b>				ft			09/05/24 10:02	1
<b>Elevation of well (ft from MP)</b>	<b>559.48</b>				ft			09/05/24 10:02	1
<b>Field pH</b>	<b>7.63</b>				SU			09/05/24 10:02	1
<b>Field Temperature</b>	<b>72.9</b>				Degrees F			09/05/24 10:02	1
<b>Ground Water Elevation</b>	<b>494.53</b>				ft			09/05/24 10:02	1
<b>Specific Conductance</b>	<b>932</b>				umhos/cm			09/05/24 10:02	1
<b>Well bottom elevation</b>	<b>445.60</b>				ft			09/05/24 10:02	1
<b>Field Turbidity</b>	<b>78.90</b>				NTU			09/05/24 10:02	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: T01S

## Lab Sample ID: 500-255604-23

Date Collected: 09/05/24 11:24

Matrix: Water

Date Received: 09/05/24 13:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 16:10	1
<b>Arsenic</b>	<b>0.0097</b>		0.0010		mg/L		09/06/24 08:49	09/09/24 16:10	1
<b>Barium</b>	<b>0.056</b>		0.0025		mg/L		09/06/24 08:49	09/09/24 16:10	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:10	1
<b>Boron</b>	<b>4.1</b>		0.25		mg/L		09/06/24 08:49	09/16/24 11:35	5
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:10	1
<b>Calcium</b>	<b>52</b>		0.20		mg/L		09/06/24 08:49	09/09/24 16:10	1
<b>Chromium</b>	<b>0.0070</b>		0.0050		mg/L		09/06/24 08:49	09/09/24 16:10	1
<b>Cobalt</b>	<b>0.0033</b>		0.0010		mg/L		09/06/24 08:49	09/09/24 16:10	1
<b>Lead</b>	<b>0.0026</b>		0.00050		mg/L		09/06/24 08:49	09/09/24 16:10	1
<b>Lithium</b>	<b>0.017</b>		0.010		mg/L		09/06/24 08:49	09/10/24 15:05	1
<b>Molybdenum</b>	<b>0.28</b>		0.0050		mg/L		09/06/24 08:49	09/09/24 16:10	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 16:10	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:53	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sulfate (SW846 9056A)</b>	<b>400</b>		20		mg/L			09/14/24 18:31	20
<b>Total Dissolved Solids (SM 2540C)</b>	<b>920</b>		10		mg/L			09/06/24 01:49	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>96</b>		10		mg/L			09/09/24 13:41	5
<b>Fluoride (SM 4500 F C)</b>	<b>0.97</b>		0.10		mg/L			09/11/24 16:17	1

### Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
<b>Depth to water from land surface</b>	<b>119.93</b>				ft			09/05/24 11:24	1
<b>Depth to Water (ft from MP)</b>	<b>122.41</b>				ft			09/05/24 11:24	1
<b>Elevation of well (ft from MP)</b>	<b>621.84</b>				ft			09/05/24 11:24	1
<b>Field pH</b>	<b>7.34</b>				SU			09/05/24 11:24	1
<b>Field Temperature</b>	<b>74.3</b>				Degrees F			09/05/24 11:24	1
<b>Ground Water Elevation</b>	<b>499.43</b>				ft			09/05/24 11:24	1
<b>Specific Conductance</b>	<b>1427</b>				umhos/cm			09/05/24 11:24	1
<b>Well bottom elevation</b>	<b>451.46</b>				ft			09/05/24 11:24	1
<b>Field Turbidity</b>	<b>71.70</b>				NTU			09/05/24 11:24	1

# Definitions/Glossary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

### General Chemistry

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

## Glossary

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

# QC Association Summary

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Metals

### Prep Batch: 783793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total Recoverable	Water	3005A	
500-255604-2	G33S	Total Recoverable	Water	3005A	
500-255604-3	G30S	Total Recoverable	Water	3005A	
500-255604-4	G31S	Total Recoverable	Water	3005A	
500-255604-5	R08S	Total Recoverable	Water	3005A	
500-255604-6	G46S	Total Recoverable	Water	3005A	
500-255604-7	G39S	Total Recoverable	Water	3005A	
500-255604-8	G48S	Total Recoverable	Water	3005A	
500-255604-9	G47S	Total Recoverable	Water	3005A	
500-255604-10	T13S	Total Recoverable	Water	3005A	
500-255604-11	T12S	Total Recoverable	Water	3005A	
MB 500-783793/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-783793/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-255604-1 MS	G20S	Total Recoverable	Water	3005A	
500-255604-1 MSD	G20S	Total Recoverable	Water	3005A	
500-255604-1 DU	G20S	Total Recoverable	Water	3005A	

### Prep Batch: 783976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total Recoverable	Water	3005A	
500-255604-13	G44S Dup	Total Recoverable	Water	3005A	
500-255604-14	R32S	Total Recoverable	Water	3005A	
500-255604-15	G45S	Total Recoverable	Water	3005A	
MB 500-783976/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-783976/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 784174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total Recoverable	Water	6020B	783793
500-255604-2	G33S	Total Recoverable	Water	6020B	783793
500-255604-3	G30S	Total Recoverable	Water	6020B	783793
500-255604-4	G31S	Total Recoverable	Water	6020B	783793
500-255604-5	R08S	Total Recoverable	Water	6020B	783793
500-255604-6	G46S	Total Recoverable	Water	6020B	783793
500-255604-7	G39S	Total Recoverable	Water	6020B	783793
500-255604-8	G48S	Total Recoverable	Water	6020B	783793
500-255604-9	G47S	Total Recoverable	Water	6020B	783793
500-255604-10	T13S	Total Recoverable	Water	6020B	783793
500-255604-11	T12S	Total Recoverable	Water	6020B	783793
MB 500-783793/1-A	Method Blank	Total Recoverable	Water	6020B	783793
LCS 500-783793/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783793
500-255604-1 MS	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 MSD	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 DU	G20S	Total Recoverable	Water	6020B	783793

### Analysis Batch: 784622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total Recoverable	Water	6020B	783976
500-255604-13	G44S Dup	Total Recoverable	Water	6020B	783976
500-255604-14	R32S	Total Recoverable	Water	6020B	783976
500-255604-15	G45S	Total Recoverable	Water	6020B	783976

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# QC Association Summary

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Metals (Continued)

### Analysis Batch: 784622 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-783976/1-A	Method Blank	Total Recoverable	Water	6020B	783976
LCS 500-783976/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783976

### Analysis Batch: 784845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total Recoverable	Water	6020B	783793
500-255604-2	G33S	Total Recoverable	Water	6020B	783793
500-255604-3	G30S	Total Recoverable	Water	6020B	783793
500-255604-4	G31S	Total Recoverable	Water	6020B	783793
MB 500-783793/1-A	Method Blank	Total Recoverable	Water	6020B	783793
LCS 500-783793/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783793
500-255604-1 MS	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 MSD	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 DU	G20S	Total Recoverable	Water	6020B	783793

### Prep Batch: 784847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total Recoverable	Water	3005A	
500-255604-17	T06S	Total Recoverable	Water	3005A	
500-255604-18	T05S	Total Recoverable	Water	3005A	
500-255604-19	T02S	Total Recoverable	Water	3005A	
500-255604-20	T08S	Total Recoverable	Water	3005A	
500-255604-21	T03S	Total Recoverable	Water	3005A	
500-255604-22	T11S	Total Recoverable	Water	3005A	
500-255604-23	T01S	Total Recoverable	Water	3005A	
MB 500-784847/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-784847/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 785047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total Recoverable	Water	6020B	783976
500-255604-13	G44S Dup	Total Recoverable	Water	6020B	783976
500-255604-14	R32S	Total Recoverable	Water	6020B	783976
500-255604-15	G45S	Total Recoverable	Water	6020B	783976
MB 500-783976/1-A	Method Blank	Total Recoverable	Water	6020B	783976
LCS 500-783976/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783976
500-255604-1 MS	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 MSD	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 DU	G20S	Total Recoverable	Water	6020B	783793

### Analysis Batch: 785268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total Recoverable	Water	6020B	783793
500-255604-2	G33S	Total Recoverable	Water	6020B	783793
500-255604-3	G30S	Total Recoverable	Water	6020B	783793
500-255604-4	G31S	Total Recoverable	Water	6020B	783793
500-255604-5	R08S	Total Recoverable	Water	6020B	783793
500-255604-6	G46S	Total Recoverable	Water	6020B	783793
500-255604-7	G39S	Total Recoverable	Water	6020B	783793
500-255604-8	G48S	Total Recoverable	Water	6020B	783793
500-255604-9	G47S	Total Recoverable	Water	6020B	783793

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# QC Association Summary

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Metals (Continued)

### Analysis Batch: 785268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-10	T13S	Total Recoverable	Water	6020B	783793
500-255604-11	T12S	Total Recoverable	Water	6020B	783793
500-255604-16	T09S	Total Recoverable	Water	6020B	784847
500-255604-17	T06S	Total Recoverable	Water	6020B	784847
500-255604-18	T05S	Total Recoverable	Water	6020B	784847
500-255604-19	T02S	Total Recoverable	Water	6020B	784847
500-255604-20	T08S	Total Recoverable	Water	6020B	784847
500-255604-21	T03S	Total Recoverable	Water	6020B	784847
500-255604-22	T11S	Total Recoverable	Water	6020B	784847
500-255604-23	T01S	Total Recoverable	Water	6020B	784847
MB 500-783793/1-A	Method Blank	Total Recoverable	Water	6020B	783793
MB 500-784847/1-A	Method Blank	Total Recoverable	Water	6020B	784847
LCS 500-783793/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783793
LCS 500-784847/2-A	Lab Control Sample	Total Recoverable	Water	6020B	784847
500-255604-1 MS	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 MSD	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 DU	G20S	Total Recoverable	Water	6020B	783793

### Analysis Batch: 785456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total Recoverable	Water	6020B	784847
500-255604-17	T06S	Total Recoverable	Water	6020B	784847
500-255604-18	T05S	Total Recoverable	Water	6020B	784847
500-255604-19	T02S	Total Recoverable	Water	6020B	784847
500-255604-20	T08S	Total Recoverable	Water	6020B	784847
500-255604-21	T03S	Total Recoverable	Water	6020B	784847
500-255604-22	T11S	Total Recoverable	Water	6020B	784847
500-255604-23	T01S	Total Recoverable	Water	6020B	784847

### Prep Batch: 785732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	7470A	
500-255604-2	G33S	Total/NA	Water	7470A	
500-255604-3	G30S	Total/NA	Water	7470A	
500-255604-4	G31S	Total/NA	Water	7470A	
500-255604-5	R08S	Total/NA	Water	7470A	
500-255604-6	G46S	Total/NA	Water	7470A	
500-255604-7	G39S	Total/NA	Water	7470A	
500-255604-8	G48S	Total/NA	Water	7470A	
500-255604-9	G47S	Total/NA	Water	7470A	
500-255604-10	T13S	Total/NA	Water	7470A	
500-255604-11	T12S	Total/NA	Water	7470A	
500-255604-12	G44S	Total/NA	Water	7470A	
500-255604-13	G44S Dup	Total/NA	Water	7470A	
MB 500-785732/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-785732/13-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 500-785732/31-A	Lab Control Sample Dup	Total/NA	Water	7470A	
500-255604-8 MS	G48S	Total/NA	Water	7470A	
500-255604-8 MSD	G48S	Total/NA	Water	7470A	
500-255604-8 DU	G48S	Total/NA	Water	7470A	

# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Metals

### Analysis Batch: 785969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	7470A	785732
500-255604-2	G33S	Total/NA	Water	7470A	785732
500-255604-3	G30S	Total/NA	Water	7470A	785732
500-255604-4	G31S	Total/NA	Water	7470A	785732
500-255604-5	R08S	Total/NA	Water	7470A	785732
500-255604-6	G46S	Total/NA	Water	7470A	785732
500-255604-7	G39S	Total/NA	Water	7470A	785732
500-255604-8	G48S	Total/NA	Water	7470A	785732
500-255604-9	G47S	Total/NA	Water	7470A	785732
500-255604-10	T13S	Total/NA	Water	7470A	785732
500-255604-11	T12S	Total/NA	Water	7470A	785732
500-255604-12	G44S	Total/NA	Water	7470A	785732
500-255604-13	G44S Dup	Total/NA	Water	7470A	785732
MB 500-785732/12-A	Method Blank	Total/NA	Water	7470A	785732
LCS 500-785732/13-A	Lab Control Sample	Total/NA	Water	7470A	785732
LCSD 500-785732/31-A	Lab Control Sample Dup	Total/NA	Water	7470A	785732
500-255604-8 MS	G48S	Total/NA	Water	7470A	785732
500-255604-8 MSD	G48S	Total/NA	Water	7470A	785732
500-255604-8 DU	G48S	Total/NA	Water	7470A	785732

### Prep Batch: 785985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-14	R32S	Total/NA	Water	7470A	
500-255604-15	G45S	Total/NA	Water	7470A	
500-255604-16	T09S	Total/NA	Water	7470A	
500-255604-17	T06S	Total/NA	Water	7470A	
500-255604-18	T05S	Total/NA	Water	7470A	
500-255604-19	T02S	Total/NA	Water	7470A	
500-255604-20	T08S	Total/NA	Water	7470A	
500-255604-21	T03S	Total/NA	Water	7470A	
500-255604-22	T11S	Total/NA	Water	7470A	
500-255604-23	T01S	Total/NA	Water	7470A	
MB 500-785985/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-785985/13-A	Lab Control Sample	Total/NA	Water	7470A	

### Analysis Batch: 786245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-14	R32S	Total/NA	Water	7470A	785985
500-255604-15	G45S	Total/NA	Water	7470A	785985
500-255604-16	T09S	Total/NA	Water	7470A	785985
500-255604-17	T06S	Total/NA	Water	7470A	785985
500-255604-18	T05S	Total/NA	Water	7470A	785985
500-255604-19	T02S	Total/NA	Water	7470A	785985
500-255604-20	T08S	Total/NA	Water	7470A	785985
500-255604-21	T03S	Total/NA	Water	7470A	785985
500-255604-22	T11S	Total/NA	Water	7470A	785985
500-255604-23	T01S	Total/NA	Water	7470A	785985
MB 500-785985/12-A	Method Blank	Total/NA	Water	7470A	785985
LCS 500-785985/13-A	Lab Control Sample	Total/NA	Water	7470A	785985

# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Metals

### Analysis Batch: 786279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total Recoverable	Water	6020B	784847
500-255604-17	T06S	Total Recoverable	Water	6020B	784847
500-255604-18	T05S	Total Recoverable	Water	6020B	784847
500-255604-19	T02S	Total Recoverable	Water	6020B	784847
500-255604-20	T08S	Total Recoverable	Water	6020B	784847
500-255604-21	T03S	Total Recoverable	Water	6020B	784847
500-255604-22	T11S	Total Recoverable	Water	6020B	784847
500-255604-23	T01S	Total Recoverable	Water	6020B	784847
MB 500-784847/1-A	Method Blank	Total Recoverable	Water	6020B	784847
LCS 500-784847/2-A	Lab Control Sample	Total Recoverable	Water	6020B	784847

## General Chemistry

### Analysis Batch: 783139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	SM 2540C	
MB 500-783139/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-783139/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 783419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	SM 4500 F C	
MB 500-783419/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-783419/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-255604-1 MS	G20S	Total/NA	Water	SM 4500 F C	
500-255604-1 MSD	G20S	Total/NA	Water	SM 4500 F C	

### Analysis Batch: 783532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-2	G33S	Total/NA	Water	SM 2540C	
500-255604-3	G30S	Total/NA	Water	SM 2540C	
500-255604-4	G31S	Total/NA	Water	SM 2540C	
MB 500-783532/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-783532/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-255604-2 MS	G33S	Total/NA	Water	SM 2540C	
500-255604-2 DU	G33S	Total/NA	Water	SM 2540C	
500-255604-3 DU	G30S	Total/NA	Water	SM 2540C	

### Analysis Batch: 783697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	SM 4500 CI- E	
500-255604-2	G33S	Total/NA	Water	SM 4500 CI- E	
500-255604-3	G30S	Total/NA	Water	SM 4500 CI- E	
500-255604-4	G31S	Total/NA	Water	SM 4500 CI- E	
500-255604-5	R08S	Total/NA	Water	SM 4500 CI- E	
500-255604-6	G46S	Total/NA	Water	SM 4500 CI- E	
500-255604-7	G39S	Total/NA	Water	SM 4500 CI- E	
MB 500-783697/20	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-783697/21	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	



# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## General Chemistry

### Analysis Batch: 783743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-5	R08S	Total/NA	Water	SM 2540C	
500-255604-6	G46S	Total/NA	Water	SM 2540C	
500-255604-7	G39S	Total/NA	Water	SM 2540C	
500-255604-8	G48S	Total/NA	Water	SM 2540C	
500-255604-9	G47S	Total/NA	Water	SM 2540C	
500-255604-10	T13S	Total/NA	Water	SM 2540C	
500-255604-11	T12S	Total/NA	Water	SM 2540C	
MB 500-783743/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-783743/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-255604-5 MS	R08S	Total/NA	Water	SM 2540C	
500-255604-5 DU	R08S	Total/NA	Water	SM 2540C	
500-255604-6 DU	G46S	Total/NA	Water	SM 2540C	

### Analysis Batch: 783929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-8	G48S	Total/NA	Water	SM 4500 CI- E	
500-255604-9	G47S	Total/NA	Water	SM 4500 CI- E	
500-255604-10	T13S	Total/NA	Water	SM 4500 CI- E	
500-255604-11	T12S	Total/NA	Water	SM 4500 CI- E	
MB 500-783929/23	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-783929/24	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-255604-8 MS	G48S	Total/NA	Water	SM 4500 CI- E	
500-255604-8 MSD	G48S	Total/NA	Water	SM 4500 CI- E	

### Analysis Batch: 784339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total/NA	Water	SM 2540C	
500-255604-13	G44S Dup	Total/NA	Water	SM 2540C	
500-255604-14	R32S	Total/NA	Water	SM 2540C	
500-255604-15	G45S	Total/NA	Water	SM 2540C	
500-255604-16	T09S	Total/NA	Water	SM 2540C	
MB 500-784339/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-784339/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-255604-12 MS	G44S	Total/NA	Water	SM 2540C	
500-255604-12 DU	G44S	Total/NA	Water	SM 2540C	
500-255604-13 DU	G44S Dup	Total/NA	Water	SM 2540C	

### Analysis Batch: 784340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-17	T06S	Total/NA	Water	SM 2540C	
500-255604-18	T05S	Total/NA	Water	SM 2540C	
MB 500-784340/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-784340/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 784483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total/NA	Water	SM 4500 CI- E	
500-255604-13	G44S Dup	Total/NA	Water	SM 4500 CI- E	
500-255604-14	R32S	Total/NA	Water	SM 4500 CI- E	
500-255604-15	G45S	Total/NA	Water	SM 4500 CI- E	
500-255604-16	T09S	Total/NA	Water	SM 4500 CI- E	

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# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## General Chemistry (Continued)

### Analysis Batch: 784483 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-17	T06S	Total/NA	Water	SM 4500 Cl- E	
500-255604-18	T05S	Total/NA	Water	SM 4500 Cl- E	
MB 500-784483/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-784483/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

### Analysis Batch: 784540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	SM 4500 SO4 E	
500-255604-2	G33S	Total/NA	Water	SM 4500 SO4 E	
500-255604-3	G30S	Total/NA	Water	SM 4500 SO4 E	
500-255604-4	G31S	Total/NA	Water	SM 4500 SO4 E	
500-255604-5	R08S	Total/NA	Water	SM 4500 SO4 E	
500-255604-6	G46S	Total/NA	Water	SM 4500 SO4 E	
500-255604-7	G39S	Total/NA	Water	SM 4500 SO4 E	
500-255604-8	G48S	Total/NA	Water	SM 4500 SO4 E	
500-255604-9	G47S	Total/NA	Water	SM 4500 SO4 E	
500-255604-10	T13S	Total/NA	Water	SM 4500 SO4 E	
500-255604-12	G44S	Total/NA	Water	SM 4500 SO4 E	
500-255604-13	G44S Dup	Total/NA	Water	SM 4500 SO4 E	
500-255604-14	R32S	Total/NA	Water	SM 4500 SO4 E	
500-255604-15	G45S	Total/NA	Water	SM 4500 SO4 E	
500-255604-16	T09S	Total/NA	Water	SM 4500 SO4 E	
500-255604-17	T06S	Total/NA	Water	SM 4500 SO4 E	
500-255604-18	T05S	Total/NA	Water	SM 4500 SO4 E	
MB 500-784540/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-784540/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-255604-10 MS	T13S	Total/NA	Water	SM 4500 SO4 E	
500-255604-10 MSD	T13S	Total/NA	Water	SM 4500 SO4 E	

### Analysis Batch: 784578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	SM 2540C	
500-255604-20	T08S	Total/NA	Water	SM 2540C	
500-255604-21	T03S	Total/NA	Water	SM 2540C	
MB 500-784578/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-784578/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 784598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-11	T12S	Total/NA	Water	SM 4500 SO4 E	
MB 500-784598/64	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-784598/65	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-255604-11 MS	T12S	Total/NA	Water	SM 4500 SO4 E	
500-255604-11 MSD	T12S	Total/NA	Water	SM 4500 SO4 E	

### Analysis Batch: 784792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-22	T11S	Total/NA	Water	SM 2540C	
500-255604-23	T01S	Total/NA	Water	SM 2540C	
MB 500-784792/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-784792/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## General Chemistry

### Analysis Batch: 785245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	SM 4500 CI- E	
500-255604-20	T08S	Total/NA	Water	SM 4500 CI- E	
500-255604-21	T03S	Total/NA	Water	SM 4500 CI- E	
500-255604-22	T11S	Total/NA	Water	SM 4500 CI- E	
500-255604-23	T01S	Total/NA	Water	SM 4500 CI- E	
MB 500-785245/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-785245/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

### Analysis Batch: 785708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-2	G33S	Total/NA	Water	SM 4500 F C	
500-255604-3	G30S	Total/NA	Water	SM 4500 F C	
500-255604-4	G31S	Total/NA	Water	SM 4500 F C	
500-255604-5	R08S	Total/NA	Water	SM 4500 F C	
500-255604-6	G46S	Total/NA	Water	SM 4500 F C	
500-255604-7	G39S	Total/NA	Water	SM 4500 F C	
500-255604-8	G48S	Total/NA	Water	SM 4500 F C	
500-255604-9	G47S	Total/NA	Water	SM 4500 F C	
500-255604-10	T13S	Total/NA	Water	SM 4500 F C	
500-255604-11	T12S	Total/NA	Water	SM 4500 F C	
500-255604-12	G44S	Total/NA	Water	SM 4500 F C	
500-255604-13	G44S Dup	Total/NA	Water	SM 4500 F C	
500-255604-14	R32S	Total/NA	Water	SM 4500 F C	
500-255604-15	G45S	Total/NA	Water	SM 4500 F C	
500-255604-16	T09S	Total/NA	Water	SM 4500 F C	
500-255604-17	T06S	Total/NA	Water	SM 4500 F C	
500-255604-18	T05S	Total/NA	Water	SM 4500 F C	
500-255604-19	T02S	Total/NA	Water	SM 4500 F C	
500-255604-20	T08S	Total/NA	Water	SM 4500 F C	
500-255604-21	T03S	Total/NA	Water	SM 4500 F C	
500-255604-22	T11S	Total/NA	Water	SM 4500 F C	
500-255604-23	T01S	Total/NA	Water	SM 4500 F C	
MB 500-785708/31	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-785708/59	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-785708/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-785708/60	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-255604-6 MS	G46S	Total/NA	Water	SM 4500 F C	
500-255604-6 MSD	G46S	Total/NA	Water	SM 4500 F C	

### Analysis Batch: 786076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	9056A	
500-255604-20	T08S	Total/NA	Water	9056A	
500-255604-21	T03S	Total/NA	Water	9056A	
500-255604-22	T11S	Total/NA	Water	9056A	
500-255604-23	T01S	Total/NA	Water	9056A	
MB 500-786076/10	Method Blank	Total/NA	Water	9056A	
LCS 500-786076/11	Lab Control Sample	Total/NA	Water	9056A	

# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Field Service / Mobile Lab

### Analysis Batch: 784590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	Field Sampling	
500-255604-2	G33S	Total/NA	Water	Field Sampling	
500-255604-3	G30S	Total/NA	Water	Field Sampling	
500-255604-4	G31S	Total/NA	Water	Field Sampling	
500-255604-5	R08S	Total/NA	Water	Field Sampling	
500-255604-6	G46S	Total/NA	Water	Field Sampling	
500-255604-7	G39S	Total/NA	Water	Field Sampling	
500-255604-8	G48S	Total/NA	Water	Field Sampling	
500-255604-9	G47S	Total/NA	Water	Field Sampling	
500-255604-10	T13S	Total/NA	Water	Field Sampling	
500-255604-11	T12S	Total/NA	Water	Field Sampling	
500-255604-12	G44S	Total/NA	Water	Field Sampling	
500-255604-13	G44S Dup	Total/NA	Water	Field Sampling	
500-255604-14	R32S	Total/NA	Water	Field Sampling	
500-255604-15	G45S	Total/NA	Water	Field Sampling	
500-255604-16	T09S	Total/NA	Water	Field Sampling	
500-255604-17	T06S	Total/NA	Water	Field Sampling	
500-255604-18	T05S	Total/NA	Water	Field Sampling	
500-255604-19	T02S	Total/NA	Water	Field Sampling	
500-255604-20	T08S	Total/NA	Water	Field Sampling	
500-255604-21	T03S	Total/NA	Water	Field Sampling	
500-255604-22	T11S	Total/NA	Water	Field Sampling	
500-255604-23	T01S	Total/NA	Water	Field Sampling	

# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: MB 500-783793/1-A**  
**Matrix: Water**  
**Analysis Batch: 784174**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:14	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:14	1
Barium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:14	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:14	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:14	1
Calcium	<0.20		0.20		mg/L		08/29/24 08:36	08/30/24 14:14	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:14	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:14	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:14	1
Molybdenum	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:14	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:14	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:14	1

**Lab Sample ID: MB 500-783793/1-A**  
**Matrix: Water**  
**Analysis Batch: 784845**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lithium	<0.010		0.010		mg/L		08/29/24 08:36	09/05/24 15:35	1

**Lab Sample ID: MB 500-783793/1-A**  
**Matrix: Water**  
**Analysis Batch: 785268**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		08/29/24 08:36	09/09/24 14:14	1

**Lab Sample ID: LCS 500-783793/2-A**  
**Matrix: Water**  
**Analysis Batch: 784174**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Antimony	0.500	0.524	^1+	mg/L		105	80 - 120
Arsenic	0.100	0.0989		mg/L		99	80 - 120
Barium	0.500	0.512		mg/L		102	80 - 120
Beryllium	0.0500	0.0565	^+	mg/L		113	80 - 120
Cadmium	0.0500	0.0523		mg/L		105	80 - 120
Calcium	10.0	8.73		mg/L		87	80 - 120
Chromium	0.200	0.225		mg/L		112	80 - 120
Cobalt	0.500	0.534		mg/L		107	80 - 120
Lead	0.100	0.107		mg/L		107	80 - 120
Molybdenum	1.00	1.03		mg/L		103	80 - 120
Selenium	0.100	0.0979		mg/L		98	80 - 120
Thallium	0.100	0.109		mg/L		109	80 - 120

# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: LCS 500-783793/2-A**  
**Matrix: Water**  
**Analysis Batch: 784845**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.100	0.106		mg/L		106	80 - 120

**Lab Sample ID: LCS 500-783793/2-A**  
**Matrix: Water**  
**Analysis Batch: 785268**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

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

**Lab Sample ID: 500-255604-1 MS**  
**Matrix: Water**  
**Analysis Batch: 784174**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030	^1+	0.500	0.528	^1+	mg/L		106	75 - 125
Arsenic	<0.0010		0.100	0.101		mg/L		101	75 - 125
Barium	0.046		0.500	0.555		mg/L		102	75 - 125
Beryllium	<0.0010	^+	0.0500	0.0554	^+	mg/L		111	75 - 125
Cadmium	<0.00050		0.0500	0.0519		mg/L		104	75 - 125
Calcium	62		10.0	71.6	4	mg/L		99	75 - 125
Chromium	<0.0050		0.200	0.220		mg/L		110	75 - 125
Cobalt	<0.0010		0.500	0.527		mg/L		105	75 - 125
Lead	<0.00050		0.100	0.106		mg/L		106	75 - 125
Molybdenum	0.020		1.00	1.06		mg/L		104	75 - 125
Selenium	<0.0025		0.100	0.100		mg/L		100	75 - 125
Thallium	<0.0020		0.100	0.108		mg/L		108	75 - 125

**Lab Sample ID: 500-255604-1 MS**  
**Matrix: Water**  
**Analysis Batch: 784845**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.040		0.100	0.147		mg/L		107	75 - 125

**Lab Sample ID: 500-255604-1 MS**  
**Matrix: Water**  
**Analysis Batch: 785047**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.523		mg/L		105	75 - 125
Arsenic	<0.0010		0.100	0.101		mg/L		101	75 - 125
Barium	0.045		0.500	0.549		mg/L		101	75 - 125
Beryllium	<0.0010		0.0500	0.0505		mg/L		101	75 - 125
Cadmium	<0.00050		0.0500	0.0508		mg/L		102	75 - 125
Calcium	62		10.0	71.4	4	mg/L		98	75 - 125
Chromium	<0.0050		0.200	0.203		mg/L		101	75 - 125
Cobalt	<0.0010		0.500	0.514		mg/L		103	75 - 125
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125
Lithium	0.040		0.100	0.142		mg/L		102	75 - 125

# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: 500-255604-1 MS**  
**Matrix: Water**  
**Analysis Batch: 785047**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	0.019		1.00	1.03		mg/L		101	75 - 125
Selenium	<0.0025		0.100	0.103		mg/L		103	75 - 125
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125

**Lab Sample ID: 500-255604-1 MS**  
**Matrix: Water**  
**Analysis Batch: 785268**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.3		1.00	2.31		mg/L		102	75 - 125

**Lab Sample ID: 500-255604-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 784174**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030	^1+	0.500	0.539	^1+	mg/L		108	75 - 125	2	20
Arsenic	<0.0010		0.100	0.102		mg/L		102	75 - 125	1	20
Barium	0.046		0.500	0.553		mg/L		101	75 - 125	0	20
Beryllium	<0.0010	^+	0.0500	0.0565	^+	mg/L		113	75 - 125	2	20
Cadmium	<0.00050		0.0500	0.0530		mg/L		106	75 - 125	2	20
Calcium	62		10.0	71.8	4	mg/L		101	75 - 125	0	20
Chromium	<0.0050		0.200	0.223		mg/L		112	75 - 125	1	20
Cobalt	<0.0010		0.500	0.534		mg/L		107	75 - 125	1	20
Lead	<0.00050		0.100	0.108		mg/L		108	75 - 125	2	20
Molybdenum	0.020		1.00	1.07		mg/L		105	75 - 125	1	20
Selenium	<0.0025		0.100	0.100		mg/L		100	75 - 125	0	20
Thallium	<0.0020		0.100	0.110		mg/L		110	75 - 125	2	20

**Lab Sample ID: 500-255604-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 784845**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.040		0.100	0.148		mg/L		108	75 - 125	1	20

**Lab Sample ID: 500-255604-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 785047**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.534		mg/L		107	75 - 125	2	20
Arsenic	<0.0010		0.100	0.103		mg/L		102	75 - 125	2	20
Barium	0.045		0.500	0.557		mg/L		102	75 - 125	2	20
Beryllium	<0.0010		0.0500	0.0502		mg/L		100	75 - 125	0	20
Cadmium	<0.00050		0.0500	0.0518		mg/L		104	75 - 125	2	20
Calcium	62		10.0	70.0	4	mg/L		84	75 - 125	2	20
Chromium	<0.0050		0.200	0.206		mg/L		103	75 - 125	2	20
Cobalt	<0.0010		0.500	0.517		mg/L		103	75 - 125	1	20
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125	1	20

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# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: 500-255604-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 785047**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Lithium	0.040		0.100	0.145		mg/L		105	75 - 125	2	20	
Molybdenum	0.019		1.00	1.05		mg/L		103	75 - 125	2	20	
Selenium	<0.0025		0.100	0.102		mg/L		102	75 - 125	1	20	
Thallium	<0.0020		0.100	0.105		mg/L		105	75 - 125	2	20	

**Lab Sample ID: 500-255604-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 785268**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Boron	1.3		1.00	2.34		mg/L		105	75 - 125	1	20	

**Lab Sample ID: 500-255604-1 DU**  
**Matrix: Water**  
**Analysis Batch: 784174**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Antimony	<0.0030	^1+	<0.0030	^1+	mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.046		0.0463		mg/L		1	20
Beryllium	<0.0010	^+	<0.0010	^+	mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	62		62.8		mg/L		2	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
Molybdenum	0.020		0.0197		mg/L		0.2	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

**Lab Sample ID: 500-255604-1 DU**  
**Matrix: Water**  
**Analysis Batch: 784845**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Lithium	0.040		0.0412		mg/L		3	20

**Lab Sample ID: 500-255604-1 DU**  
**Matrix: Water**  
**Analysis Batch: 785047**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.045		0.0455		mg/L		0.7	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	62		61.9		mg/L		0.5	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20

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# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: 500-255604-1 DU**  
**Matrix: Water**  
**Analysis Batch: 785047**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	0.040		0.0398		mg/L		0.9	20
Molybdenum	0.019		0.0194		mg/L		1	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

**Lab Sample ID: 500-255604-1 DU**  
**Matrix: Water**  
**Analysis Batch: 785268**

**Client Sample ID: G20S**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783793**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	1.3		1.28		mg/L		0.5	20

**Lab Sample ID: MB 500-783976/1-A**  
**Matrix: Water**  
**Analysis Batch: 784622**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783976**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 13:29	1
Barium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 13:29	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 13:29	1
Boron	<0.050		0.050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 13:29	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Lithium	<0.010		0.010		mg/L		08/30/24 08:14	09/04/24 13:29	1
Molybdenum	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 13:29	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 13:29	1

**Lab Sample ID: MB 500-783976/1-A**  
**Matrix: Water**  
**Analysis Batch: 785047**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783976**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/30/24 08:14	09/06/24 16:56	1
Calcium	<0.20		0.20		mg/L		08/30/24 08:14	09/06/24 16:56	1

**Lab Sample ID: LCS 500-783976/2-A**  
**Matrix: Water**  
**Analysis Batch: 784622**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783976**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0981		mg/L		98	80 - 120
Barium	2.00	2.23		mg/L		111	80 - 120
Beryllium	0.0500	0.0499		mg/L		100	80 - 120
Boron	1.00	0.985		mg/L		99	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120

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# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: LCS 500-783976/2-A**  
**Matrix: Water**  
**Analysis Batch: 784622**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783976**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.500	0.535		mg/L		107	80 - 120
Lead	0.100	0.104		mg/L		104	80 - 120
Lithium	0.500	0.525		mg/L		105	80 - 120
Molybdenum	1.00	1.01		mg/L		101	80 - 120
Selenium	0.100	0.0987		mg/L		99	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

**Lab Sample ID: LCS 500-783976/2-A**  
**Matrix: Water**  
**Analysis Batch: 785047**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 783976**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.504		mg/L		101	80 - 120
Calcium	10.0	9.10		mg/L		91	80 - 120

**Lab Sample ID: MB 500-784847/1-A**  
**Matrix: Water**  
**Analysis Batch: 785268**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 784847**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 14:58	1
Arsenic	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 14:58	1
Barium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 14:58	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 14:58	1
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 14:58	1
Calcium	<0.20		0.20		mg/L		09/06/24 08:49	09/09/24 14:58	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 14:58	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 14:58	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 14:58	1
Lithium	<0.010		0.010		mg/L		09/06/24 08:49	09/09/24 14:58	1
Molybdenum	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 14:58	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 14:58	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 14:58	1

**Lab Sample ID: MB 500-784847/1-A**  
**Matrix: Water**  
**Analysis Batch: 786279**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 784847**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/06/24 08:49	09/16/24 11:15	1

**Lab Sample ID: LCS 500-784847/2-A**  
**Matrix: Water**  
**Analysis Batch: 785268**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 784847**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.521		mg/L		104	80 - 120
Arsenic	0.100	0.101		mg/L		101	80 - 120
Barium	0.500	0.521		mg/L		104	80 - 120
Beryllium	0.0500	0.0527		mg/L		105	80 - 120

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# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: LCS 500-784847/2-A  
 Matrix: Water  
 Analysis Batch: 785268

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 784847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.0500	0.0522		mg/L		104	80 - 120
Calcium	10.0	9.23		mg/L		92	80 - 120
Chromium	0.200	0.214		mg/L		107	80 - 120
Cobalt	0.500	0.544		mg/L		109	80 - 120
Lead	0.100	0.105		mg/L		105	80 - 120
Lithium	0.100	0.109		mg/L		109	80 - 120
Molybdenum	1.00	1.03		mg/L		103	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: LCS 500-784847/2-A  
 Matrix: Water  
 Analysis Batch: 786279

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 784847

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

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-785732/12-A  
 Matrix: Water  
 Analysis Batch: 785969

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 785732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:04	1

Lab Sample ID: LCS 500-785732/13-A  
 Matrix: Water  
 Analysis Batch: 785969

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 785732

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

Lab Sample ID: LCSD 500-785732/31-A  
 Matrix: Water  
 Analysis Batch: 785969

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 785732

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.00190		mg/L		95	80 - 120	7	20

Lab Sample ID: 500-255604-8 MS  
 Matrix: Water  
 Analysis Batch: 785969

Client Sample ID: G48S  
 Prep Type: Total/NA  
 Prep Batch: 785732

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000976		mg/L		98	75 - 125

# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: 500-255604-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 785969**

**Client Sample ID: G48S**  
**Prep Type: Total/NA**  
**Prep Batch: 785732**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000980		mg/L		98	75 - 125	0	20

**Lab Sample ID: 500-255604-8 DU**  
**Matrix: Water**  
**Analysis Batch: 785969**

**Client Sample ID: G48S**  
**Prep Type: Total/NA**  
**Prep Batch: 785732**

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

**Lab Sample ID: MB 500-785985/12-A**  
**Matrix: Water**  
**Analysis Batch: 786245**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 785985**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:25	1

**Lab Sample ID: LCS 500-785985/13-A**  
**Matrix: Water**  
**Analysis Batch: 786245**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 785985**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00200		mg/L		100	80 - 120

## Method: 9056A - Anions, Ion Chromatography

**Lab Sample ID: MB 500-786076/10**  
**Matrix: Water**  
**Analysis Batch: 786076**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.0		1.0		mg/L			09/14/24 14:44	1

**Lab Sample ID: LCS 500-786076/11**  
**Matrix: Water**  
**Analysis Batch: 786076**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.4		mg/L		102	80 - 120

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

**Lab Sample ID: MB 500-783139/1**  
**Matrix: Water**  
**Analysis Batch: 783139**

**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			08/25/24 22:54	1

# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: LCS 500-783139/2**  
**Matrix: Water**  
**Analysis Batch: 783139**

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

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

**Lab Sample ID: MB 500-783532/1**  
**Matrix: Water**  
**Analysis Batch: 783532**

**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			08/27/24 21:52	1

**Lab Sample ID: LCS 500-783532/2**  
**Matrix: Water**  
**Analysis Batch: 783532**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	252		mg/L		101	80 - 120

**Lab Sample ID: 500-255604-2 MS**  
**Matrix: Water**  
**Analysis Batch: 783532**

**Client Sample ID: G33S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	350		250	612		mg/L		105	75 - 125

**Lab Sample ID: 500-255604-2 DU**  
**Matrix: Water**  
**Analysis Batch: 783532**

**Client Sample ID: G33S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	350		362		mg/L		3	5

**Lab Sample ID: 500-255604-3 DU**  
**Matrix: Water**  
**Analysis Batch: 783532**

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300		1280		mg/L		4	5

**Lab Sample ID: MB 500-783743/1**  
**Matrix: Water**  
**Analysis Batch: 783743**

**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			08/28/24 22:51	1

**Lab Sample ID: LCS 500-783743/2**  
**Matrix: Water**  
**Analysis Batch: 783743**

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

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

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# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: 500-255604-5 MS**  
**Matrix: Water**  
**Analysis Batch: 783743**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	770		250	1050		mg/L		111	75 - 125

**Lab Sample ID: 500-255604-5 DU**  
**Matrix: Water**  
**Analysis Batch: 783743**

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	770		788		mg/L		2	5

**Lab Sample ID: 500-255604-6 DU**  
**Matrix: Water**  
**Analysis Batch: 783743**

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		1020		mg/L		2	5

**Lab Sample ID: MB 500-784339/1**  
**Matrix: Water**  
**Analysis Batch: 784339**

**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			09/03/24 21:33	1

**Lab Sample ID: LCS 500-784339/2**  
**Matrix: Water**  
**Analysis Batch: 784339**

**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	288		mg/L		115	80 - 120

**Lab Sample ID: 500-255604-12 MS**  
**Matrix: Water**  
**Analysis Batch: 784339**

**Client Sample ID: G44S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	760		250	1050		mg/L		114	75 - 125

**Lab Sample ID: 500-255604-12 DU**  
**Matrix: Water**  
**Analysis Batch: 784339**

**Client Sample ID: G44S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	760		750		mg/L		2	5

**Lab Sample ID: 500-255604-13 DU**  
**Matrix: Water**  
**Analysis Batch: 784339**

**Client Sample ID: G44S Dup**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	770		772		mg/L		0.8	5

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# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: MB 500-784340/1**  
**Matrix: Water**  
**Analysis Batch: 784340**

**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			09/04/24 02:19	1

**Lab Sample ID: LCS 500-784340/2**  
**Matrix: Water**  
**Analysis Batch: 784340**

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

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

**Lab Sample ID: MB 500-784578/1**  
**Matrix: Water**  
**Analysis Batch: 784578**

**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			09/05/24 04:09	1

**Lab Sample ID: LCS 500-784578/2**  
**Matrix: Water**  
**Analysis Batch: 784578**

**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	238		mg/L		95	80 - 120

**Lab Sample ID: MB 500-784792/1**  
**Matrix: Water**  
**Analysis Batch: 784792**

**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			09/06/24 01:42	1

**Lab Sample ID: LCS 500-784792/2**  
**Matrix: Water**  
**Analysis Batch: 784792**

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

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

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

**Lab Sample ID: MB 500-783697/20**  
**Matrix: Water**  
**Analysis Batch: 783697**

**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			08/28/24 13:59	1

# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: LCS 500-783697/21**  
**Matrix: Water**  
**Analysis Batch: 783697**

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

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

**Lab Sample ID: MB 500-783929/23**  
**Matrix: Water**  
**Analysis Batch: 783929**

**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			08/29/24 16:14	1

**Lab Sample ID: LCS 500-783929/24**  
**Matrix: Water**  
**Analysis Batch: 783929**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.4		mg/L		97	85 - 115

**Lab Sample ID: 500-255604-8 MS**  
**Matrix: Water**  
**Analysis Batch: 783929**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	81		20.0	101	4	mg/L		100	75 - 125

**Lab Sample ID: 500-255604-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 783929**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	81		20.0	101	4	mg/L		99	75 - 125	0	20

**Lab Sample ID: MB 500-784483/16**  
**Matrix: Water**  
**Analysis Batch: 784483**

**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			09/04/24 11:49	1

**Lab Sample ID: LCS 500-784483/17**  
**Matrix: Water**  
**Analysis Batch: 784483**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.8		mg/L		99	85 - 115

**Lab Sample ID: MB 500-785245/16**  
**Matrix: Water**  
**Analysis Batch: 785245**

**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			09/09/24 13:21	1

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# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: LCS 500-785245/17  
 Matrix: Water  
 Analysis Batch: 785245

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.6		mg/L		98	85 - 115

## Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-783419/31  
 Matrix: Water  
 Analysis Batch: 783419

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			08/26/24 15:18	1

Lab Sample ID: LCS 500-783419/32  
 Matrix: Water  
 Analysis Batch: 783419

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.25		mg/L		93	90 - 119

Lab Sample ID: 500-255604-1 MS  
 Matrix: Water  
 Analysis Batch: 783419

Client Sample ID: G20S  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.73		5.00	5.71		mg/L		99	75 - 125

Lab Sample ID: 500-255604-1 MSD  
 Matrix: Water  
 Analysis Batch: 783419

Client Sample ID: G20S  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Fluoride	0.73		5.00	5.66		mg/L		98	75 - 125	1	20

Lab Sample ID: MB 500-785708/31  
 Matrix: Water  
 Analysis Batch: 785708

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			09/11/24 12:05	1

Lab Sample ID: MB 500-785708/59  
 Matrix: Water  
 Analysis Batch: 785708

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			09/11/24 14:22	1

# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Method: SM 4500 F C - Fluoride (Continued)

**Lab Sample ID: LCS 500-785708/32**  
**Matrix: Water**  
**Analysis Batch: 785708**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.18		mg/L		92	90 - 119

**Lab Sample ID: LCS 500-785708/60**  
**Matrix: Water**  
**Analysis Batch: 785708**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.10		mg/L		91	90 - 119

**Lab Sample ID: 500-255604-6 MS**  
**Matrix: Water**  
**Analysis Batch: 785708**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.23		5.00	4.75		mg/L		90	75 - 125

**Lab Sample ID: 500-255604-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 785708**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.23		5.00	4.74		mg/L		90	75 - 125	0	20

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

**Lab Sample ID: MB 500-784540/16**  
**Matrix: Water**  
**Analysis Batch: 784540**

**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			09/04/24 14:33	1

**Lab Sample ID: LCS 500-784540/17**  
**Matrix: Water**  
**Analysis Batch: 784540**

**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	22.1		mg/L		110	88 - 123

**Lab Sample ID: 500-255604-10 MS**  
**Matrix: Water**  
**Analysis Batch: 784540**

**Client Sample ID: T13S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	160	F1	20.0	174	4	mg/L		87	75 - 125

# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

**Lab Sample ID: 500-255604-10 MSD**  
**Matrix: Water**  
**Analysis Batch: 784540**

**Client Sample ID: T13S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	160	F1	20.0	175	4	mg/L		93	75 - 125	1	20

**Lab Sample ID: MB 500-784598/64**  
**Matrix: Water**  
**Analysis Batch: 784598**

**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			09/04/24 15:26	1

**Lab Sample ID: LCS 500-784598/65**  
**Matrix: Water**  
**Analysis Batch: 784598**

**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	22.3		mg/L		111	88 - 123

**Lab Sample ID: 500-255604-11 MS**  
**Matrix: Water**  
**Analysis Batch: 784598**

**Client Sample ID: T12S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	230		20.0	244	4	mg/L		75	75 - 125

**Lab Sample ID: 500-255604-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 784598**

**Client Sample ID: T12S**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	230		20.0	245	4	mg/L		78	75 - 125	0	20

**Chain of Custody Record**

<b>Client Information</b>		Sampler: <i>Noe L. Jose</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-127888-50642.3	
Client Contact: James Thorne		Phone:		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin:		Page: Page 3 of 3	
Company: Midwest Generation EME LLC		PWSID:		<b>Analysis Requested</b>				Job #: <i>500-255604</i>	
Address: 1800 Channahon Road		Due Date Requested:						Preservation Codes: D - HNO3 N - None	
City: Joliet		TAT Requested (days):		Field Filtered Sample (Yes or No)		Total Number of Containers		Other:	
State, Zip: IL, 60436		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No							
Phone:		PO #: 4502153835		903.0 - Standard Target List		904.0 - Standard Target List		Special Instructions/Note:	
Email: james.thorne@nrg.com		WO #:		Raz26Raz28_GFPC - Local Method		6020A, 7470A			
Project Name: Joliet #9 CCR		Project #: 50011504		2540C, 4500_F_C, SM4500_CI_E, SM4500_SO4_E					
Site: Illinois		SSOW#:							
<b>Sample Identification</b>		<b>Sample Date</b>		<b>Sample Time</b>		<b>Sample Type (C=comp, G=grab)</b>		<b>Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)</b>	
						<b>Preservation Code:</b>			
<del>845</del>		<i>08/28/24</i>		<i>1001</i>		<i>Water</i>		<i>5</i>	
<del>846</del>		<i>08/28/24</i>		<i>1122</i>		<i>Water</i>		<i>5</i>	
		<i>08/28/24</i>		<i>1225</i>				<i>5</i>	
		<i>08/28/24</i>		<i>1350</i>				<i>5</i>	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: <i>[Signature]</i>	Date/Time: <i>08/28/24 1455</i>	Company: <i>EETA</i>	Received by: <i>[Signature]</i>	Date/Time: <i>8/28/24 1455</i>	Company: <i>EETA</i>
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact:  Yes  No    Custody Seal No.: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks: *2.9-2.8*

**Eurofins Chicago**

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

**Chain of Custody Record**

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<b>Client Information</b>		Sampler: <i>Noe L</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No. 500-127868-50642 1					
Client Contact: James Thorne		Phone		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin		Page 1 of 3					
Company: Midwest Generation EME LLC		PWSID:		<b>Analysis Requested</b>						Job #: <i>500-255604</i>			
Address: 1800 Channahon Road		Due Date Requested		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">903.0 - Standard Target List</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Raz26Ra228_GFFC - Local Method</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">904.0 - Standard Target List</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">6020A, 7470A</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E</div> </div>						Preservation Codes: D HNO3 N None			
City: Joliet		TAT Requested (days)								QR Code		500-255604 COC	
State Zip: IL, 60436		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No								Other:			
Phone		PO #: 4502153835								Special Instructions/Note:			
Email: james.thorne@nrg.com		WO #:											
Project Name: Joliet #9 CCR		Project #: 50011504											
Site: Illinois		SSOW#:											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air)	Total Number of Containers					Special Instructions/Note:		
						<input checked="" type="checkbox"/> Field Filtered Sample (Yes or No) <input type="checkbox"/> 903.0 - Standard Target List <input type="checkbox"/> Raz26Ra228_GFFC - Local Method <input type="checkbox"/> 904.0 - Standard Target List <input type="checkbox"/> 6020A, 7470A <input type="checkbox"/> 2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E							
						<input checked="" type="checkbox"/> D <input checked="" type="checkbox"/> D <input checked="" type="checkbox"/> D <input checked="" type="checkbox"/> D <input checked="" type="checkbox"/> N							
<i>R086</i>		<i>08/23/24</i>	<i>1133</i>		Water	<i>5</i>							
<del>G265</del>					Water								
<del>R326</del>					Water								
<del>G446</del>					Water								
<del>G455</del>					Water								
<del>G465</del>					Water								
<del>G476</del>					Water								
<del>G486</del>					Water								
<del>F036</del>					Water								
<del>G006</del>					Water								
<del>BUP</del>					Water								
<b>Possible Hazard Identification</b>						<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: <i>08/23/24 1545</i>		Company: <i>EETA</i>		Received by: <i>Stephanie Hemondy</i>		Date/Time: <i>08/23/24 1545</i>		Company: <i>EETA</i>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>3.9 -&gt; 3.8</i> <i>489t</i>									

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# Chain of Custody Record

<b>Client Information</b>				Sampler Noe Lopez / <i>Jose</i>		Lab PM Mockler Diana J		Carrier Tracking No(s)		COC No 500-94754-41977 1																				
Client Contact Kaelyn Sperle				Phone		E-Mail Diana.Mockler@et.eurofinsus.com		State of Origin		Page Page 1																				
Company Midwest Generation				PWSID		<b>Analysis Requested</b>					Job # <i>500-255604</i>																			
Address Midwest Generation				Due Date Requested		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>903.0 - Rad 226</th> <th>Ra226Ra228 - Combined</th> <th>904.0 - Rad 228</th> <th>6010C - Metals (14 elements), 7470A - Mercury</th> <th>2540C - TDS, 4500FC - Fluoride</th> <th>SM4500ClE - Chloride, SM4500SO4E - Sulfate</th> <th>Total Number of containers</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Rad 226	Ra226Ra228 - Combined	904.0 - Rad 228	6010C - Metals (14 elements), 7470A - Mercury	2540C - TDS, 4500FC - Fluoride	SM4500ClE - Chloride, SM4500SO4E - Sulfate	Total Number of containers										Preservation Codes	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Rad 226	Ra226Ra228 - Combined	904.0 - Rad 228	6010C - Metals (14 elements), 7470A - Mercury						2540C - TDS, 4500FC - Fluoride	SM4500ClE - Chloride, SM4500SO4E - Sulfate	Total Number of containers																	
City Joliet				TAT Requested (days)							A HCL		M Hexane																	
State Zip IL, 60436				Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No		B NaOH		N None																						
Phone				PO #		C Zn Acetate		O AsNaO2																						
Email: 500-255604 COC				WO #		D Nitric Acid		P Na2O4S																						
Project Name Joliet #9 CCR				Project # 50011504		E NaHSO4		Q Na2SO3																						
Site Illinois				SSOW#		F MeOH		R Na2S2O3																						
Sample Identification				Sample Date		G Amchlor		S H2SO4																						
Sample Time				Sample Type (C=Comp, G=grab)		H Ascorbic Acid		T TSP Dodecahydrate																						
Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)				Preservation Code		I Ice		U Acetone																						
Special Instructions/Note						J DI Water		V MCAA																						
						K EDTA		W pH 4-5																						
						L EDA		Z other (specify)																						
						Other																								

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

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

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

Special Instructions/QC Requirements \_\_\_\_\_

Empty Kit Relinquished by				Date		Time		Method of Shipment	
Relinquished by <i>[Signature]</i>				Date/Time 08/26/24 1425		Company EETA		Received by <i>[Signature]</i>	
Relinquished by				Date/Time		Company		Date/Time 8/26/24 1425	
Relinquished by				Date/Time		Company		Date/Time	
Relinquished by				Date/Time		Company		Date/Time	

Custody Seals Intact.  Yes  No

Custody Seal No \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks *3.9 - 3.6*

**Eurofins Chicago**

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

**Chain of Custody Record**

<b>Client Information</b>		Sampler <i>Noe L, Jose</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-127868-50642 2								
Client Contact James Thorne		Phone		E-Mail Diana.Mockler@et.eurofinsus.com		State of Origin		Page Page 2 of 3								
Company Midwest Generation EME LLC		PWSID		<b>Analysis Requested</b>					Job # <i>500-255604</i>							
Address 1800 Channahon Road		Due Date Requested		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>903.0 - Standard Target List</td> <td>Ra226Ra228_GFP - Local Method</td> <td>904.0 - Standard Target List</td> <td>6020A, 7470A</td> <td>2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E</td> </tr> </table>					Field Filtered Sample (Yes or No)	903.0 - Standard Target List	Ra226Ra228_GFP - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Preservation Codes D HNO3 N None	
Field Filtered Sample (Yes or No)	903.0 - Standard Target List	Ra226Ra228_GFP - Local Method	904.0 - Standard Target List						6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E						
City Joliet		TAT Requested (days)							Other:							
State Zip IL, 60436		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No														
Phone 500-255604 COC		PO # 4502153835														
Email james.thorne@nrg.com		WO #														
Project Name Joliet #9 CCR		Project # 50011504														
Site Illinois		SSOW#														
<b>Sample Identification</b>		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)	903.0 - Standard Target List	Ra226Ra228_GFP - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of Containers	Special Instructions/Note:			
				Preservation Code:			D	D	D	D	N					
<i>5067</i> G318		<i>RO85</i>	<i>08/27/24 0940</i>		Water		/	/	/	/	/	5				
G335		<i>G465</i>	<i>08/27/24 1044</i>		Water		/	/	/	/	/	5				
T015		<i>G395</i>	<i>08/27/24 1214</i>		Water		/	/	/	/	/	5				
T025					Water											
T048					Water											
T055					Water											
T065					Water											
T085					Water											
T098					Water											
T125					Water											
T138					Water											
<b>Possible Hazard Identification</b>						<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>										
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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 <i>[Signature]</i>			Date/Time <i>08/27/24 1325</i>		Company <i>ERT</i>		Received by <i>[Signature]</i>		Date/Time <i>8/27/24 1325</i>		Company <i>ERT</i>					
Relinquished by			Date/Time		Company		Received by		Date/Time		Company					
Relinquished by			Date/Time		Company		Received by		Date/Time		Company					
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks <i>2.1-2.0</i>												



**Eurofins Chicago**

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

**Chain of Custody Record**

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<b>Client Information</b>		Sampler: <i>Noe L.</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-127868-50642 1	
Client Contact: James Thorne		Phone		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin.		Page 1 of 3	
Company: Midwest Generation EME LLC				PWSID		<b>Analysis Requested</b>			
Address: 1800 Channahon Road		Due Date Requested		TAT Requested (days)		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No		Job #: <i>500-255604</i>	
City: Joliet		PO #		WO #		Project #		Preservation Codes: D HNO3 N None	
State Zip: IL, 60436		4502153835		50011504		SSOW#:		Other:	
Phone: 500-255604 COC		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
Email: james.thorne@nrg.com		Field Filled Sample (Yes or No)		903.0 - Standard Target List		904.0 - Standard Target List		Total Number of Containers	
Project Name: Joliet #9 CCR		903.0 - Standard Target List		904.0 - Standard Target List		904.0 - Standard Target List		Special Instructions/Note:	
Site: Illinois		903.0 - Standard Target List		904.0 - Standard Target List		904.0 - Standard Target List		Special Instructions/Note:	
<b>Sample Identification</b>		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
Preservation Code		D		D		D		D	
12 R085		08/29/24		0956		Water		5	
13 G208		08/29/24		0956		Water		5	
14 R325		08/29/24		1209		Water		5	
15 G445		08/29/24		1316		Water		5	
G455						Water			
G465						Water			
G475						Water			
G485						Water			
T038						Water			
G308						Water			
DUP						Water			
<b>Possible Hazard Identification</b>					<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 08/29/24 1435		Company: EETA		Received by: <i>[Signature]</i>		Date/Time: 8/29/24 1435	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		39 → 38			





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

**Chain of Custody Record**

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<b>Client Information</b>		Sampler: <i>Noe L, Jose</i>		Lab PM: Mockler Diana J		Carrier Tracking No(s):		COC No. 500-127868-50642 3	
Client Contact: James Thorne		Phone:		E-Mail: Diana Mockler@et eurofinsus.com		State of Origin:		Page: Page 3 of 3	
Company: Midwest Generation EME LLC				PWSID:		<b>Analysis Requested</b>			
Address: 1800 Channahon Road		Due Date Requested:		Field Filtered Sample (Yes or No) Perform (MS/MS) (Yes or No) 903.0 - Standard Target List Re226Ra228_GFPCC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_CLE, SM4500_SO4_E		Total Number of Containers		Job #: <i>500-255604</i>	
City: Joliet		TAT Requested (days):						Preservation Codes D HNO3 N None	
State Zip: IL, 60436		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No						Other:	
Phone:		PO #: 4502153835							
Email: james.thorne@nrg.com		WO #:							
Project Name: Joliet #9 CCR		Project #: 50011504		SSOW#:		Special Instructions/Note			
Site: Illinois									
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:			
<del>7115</del> <i>G485</i>		<i>08/28/24</i>	<i>1001</i>	Water		D	D	D	D
<del>6285</del> <i>G475</i>		<i>08/28/24</i>	<i>1122</i>	Water		D	D	D	D
<i>T135</i>		<i>08/28/24</i>	<i>1225</i>			D	D	D	D
<i>T125</i>		<i>08/28/24</i>	<i>1350</i>			D	D	D	D
<b>Possible Hazard Identification</b>		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>					
Deliverable Requested I, II, III, IV, Other (specify)				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Empty Kit Relinquished by: <i>[Signature]</i>				Date: <i>08/28/24</i>		Time: <i>1455</i>		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: <i>08/28/24 1455</i>		Company: <i>EETA</i>		Received by: <i>[Signature]</i>		Date/Time: <i>8/28/24 1455</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: <i>29-22.8</i>					

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**Chain of Custody Record**

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<b>Client Information</b>		Sampler: <i>Noe L, Jose</i>		Lab PM: Mockler, Diana J		COC No: 500-127868-50642 2												
Client Contact: James Thorne		Phone		E-Mail: Diana Mockler@et.eurofinsus.com		Page: Page 2 of 3												
Company: Midwest Generation EME LLC		PWSID:		Analysis Requ: 500-255604 COC		Job #: <i>500-255604</i>												
Address: 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) 903.0 - Standard Target List Ra226Ra228_GFFC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_CLE, SM4500_SO4_E		Preservation Codes: D HNO3 N None												
City: Joliet		TAT Requested (days)				Other:												
State Zip: IL, 60436		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No				Total Number of containers												
Phone		PO #: 4502153835																
Email: james.thorne@nrg.com		WO #:																
Project Name: Joliet #9 CCR		Project #: 50011504		Special Instructions/Note:														
Site: Illinois		SSOW#:																
<b>Sample Identification</b>		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)	903.0 - Standard Target List	Ra226Ra228_GFFC - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C, 4500_F_C, SM4500_CLE, SM4500_SO4_E							
				Preservation Code:			D	D	D	D	N							
<i>19</i>	<i>E315</i>	<i>TO20</i>	<i>09/04/24</i>	<i>1041</i>	Water		/	/	/	/	/							
<i>20</i>	<i>E338</i>	<i>TO85</i>	<i>09/04/24</i>	<i>1211</i>	Water		/	/	/	/	/							
<i>21</i>	<i>F015</i>	<i>TO35</i>	<i>09/04/24</i>	<i>1322</i>	Water		/	/	/	/	/							
	<i>F025</i>				Water													
	<i>F045</i>				Water													
	<i>I055</i>				Water													
	<i>I085</i>				Water													
	<i>F086</i>				Water													
	<i>F085</i>				Water													
	<i>F125</i>				Water													
	<i>F135</i>				Water													
<b>Possible Hazard Identification</b>						<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>												
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: <i>09/04/2024 1430</i>		Company: <i>FEETA</i>		Received by: <i>Stephanie Hernandez</i>		Date/Time: <i>9/4/24 1430</i>		Company: <i>FEETA</i>								
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:								
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:								
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>42+4.1</i>														



Eurofins TestAmerica, Chicago

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

Chain of Custody Record

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500-255604 COC

<b>Client Information</b>		Sampler Noe Lopez / <i>Jose</i>		Lab PM Mockler, Diana J		Carr	
Client Contact Kaelyn Sperle		Phone:		E-Mail Diana.Mockler@et.eurofinsus.com		Stat	
Company Midwest Generation				PWSID		COC No: 500-94754-41977 1	
Address Midwest Generation				Due Date Requested		Page Page 1	
City Joliet				TAT Requested (days)		Job #: <i>500-155604</i>	
State Zip IL, 60436				Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No		Analysis Reque	
Phone				PO #		Preservation Codes	
Email				WO #		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)	
Project Name Joliet #9 CCR				Project # 50011504		Other:	
Site Illinois				SSOW#		Special Instructions/Note:	
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=Comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
				Preservation Code:			
<i>22</i> <i>23</i> TIS		<i>09/05/24</i>	<i>1002</i>		Water		
TOIS		<i>09/05/24</i>	<i>1124</i>		Water		
					Water		
					Water		
					Water		
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					Water		
<b>Possible Hazard Identification</b>				<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months			
Deliverable Requested I, II, III, IV, Other (specify)				Special Instructions/QC Requirements			
Empty Kit Relinquished by		Date		Time		Method of Shipment	
<i>JS</i>		<i>09/05/24</i>		<i>1320</i>		<i>EEIA</i>	
Relinquished by		Date/Time		Company		Received by	
						<i>Stephanie Hernandez</i>	
Relinquished by		Date/Time		Company		Received by	
Relinquished by		Date/Time		Company		Received by	
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks. <i>5.8+5.7</i>			

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

# Chain of Custody Record



Environment Testing



**Client Information (Sub Contract Lab)**

Client Contact: Mockler, Diana J  
 Shipping/Receiving: Diana Mockler@et.eurofins.com  
 Company: TestAmerica Laboratories, Inc.  
 Address: 13715 Rider Trail North, Earth City, MO, 63045  
 Phone: 314-298-8566(Tel) 314-298-8757(Fax)  
 Email: [Redacted]  
 Project Name: Joliet #9 (Quarry) CCR  
 Site: NRG Midwest Generation LSQ Joliet #9 CCR

Lab PM: Mockler, Diana J  
 E-Mail: Diana.Mockler@et.eurofins.com  
 State of Origin: Illinois  
 Carrier Tracking No(s): 500-192055-1  
 Page: Page 1 of 1  
 Job #: 500-255604-1  
 Preservation Codes: NELAP - Illinois

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other)	Preservation Code	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers	Special Instructions/Note:
						903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Ra26Ra228_GFPc			
G48S (500-255604-8)	8/28/24	10:01 Central	G	Water		X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
G47S (500-255604-9)	8/28/24	11:22 Central	G	Water		X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
T13S (500-255604-10)	8/28/24	12:25 Central	G	Water		X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
T12S (500-255604-11)	8/28/24	13:50 Central	G	Water		X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.

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

**Possible Hazard Identification**  
 Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_  
 Primary Deliverable Rank: 2  
 Date: \_\_\_\_\_  
 Empty Kit Relinquished by: *Alvin Scott*  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Custody Seal Intact: \_\_\_\_\_  
 Custody Seal No.: \_\_\_\_\_

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

**Special Instructions/QC Requirements:**

Received by: \_\_\_\_\_  
 Date/Time: 8/28/24 1600  
 Received by: *M. Pinette*  
 Date/Time: AUG 29 2024 0900  
 Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Method of Shipment: \_\_\_\_\_  
 Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-1

**Login Number: 255604**

**List Number: 1**

**Creator: Hernandez, Stephanie**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8,3.8,2.0,2.8,3.8,3.7,4.1,5.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: G20S

Date Collected: 08/23/24 11:33

Date Received: 08/23/24 15:45

## Lab Sample ID: 500-255604-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:19
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784845	RN	EET CHI	09/05/24 15:40
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:18
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:09
Total/NA	Analysis	SM 2540C		1	783139	CLB	EET CHI	08/25/24 23:26
Total/NA	Analysis	SM 4500 CI- E		1	783697	TR	EET CHI	08/28/24 14:01
Total/NA	Analysis	SM 4500 F C		1	783419	ER	EET CHI	08/26/24 15:26
Total/NA	Analysis	SM 4500 SO4 E		2	784540	TR	EET CHI	09/04/24 15:01
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/23/24 11:33

## Client Sample ID: G33S

Date Collected: 08/26/24 09:53

Date Received: 08/26/24 14:25

## Lab Sample ID: 500-255604-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:30
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784845	RN	EET CHI	09/05/24 15:53
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:30
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:11
Total/NA	Analysis	SM 2540C		1	783532	CLB	EET CHI	08/27/24 21:57
Total/NA	Analysis	SM 4500 CI- E		1	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:02
Total/NA	Analysis	SM 4500 SO4 E		2	784540	TR	EET CHI	09/04/24 15:01
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/26/24 09:53

## Client Sample ID: G30S

Date Collected: 08/26/24 11:26

Date Received: 08/26/24 14:25

## Lab Sample ID: 500-255604-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:32
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		5	784845	RN	EET CHI	09/05/24 15:55
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:32

Eurofins Chicago

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: G30S

## Lab Sample ID: 500-255604-3

Date Collected: 08/26/24 11:26

Matrix: Water

Date Received: 08/26/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:13
Total/NA	Analysis	SM 2540C		1	783532	CLB	EET CHI	08/27/24 22:04
Total/NA	Analysis	SM 4500 Cl- E		10	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:07
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:14
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/26/24 11:26

## Client Sample ID: G31S

## Lab Sample ID: 500-255604-4

Date Collected: 08/26/24 13:20

Matrix: Water

Date Received: 08/26/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:50
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784845	RN	EET CHI	09/05/24 16:03
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:40
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:15
Total/NA	Analysis	SM 2540C		1	783532	CLB	EET CHI	08/27/24 22:10
Total/NA	Analysis	SM 4500 Cl- E		10	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:12
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:15
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/26/24 13:20

## Client Sample ID: R08S

## Lab Sample ID: 500-255604-5

Date Collected: 08/27/24 09:40

Matrix: Water

Date Received: 08/27/24 13:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:57
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:42
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:17
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 22:56
Total/NA	Analysis	SM 4500 Cl- E		2	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:17
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:13
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/27/24 09:40

Eurofins Chicago



# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: G46S**

**Date Collected: 08/27/24 10:44**

**Date Received: 08/27/24 13:25**

**Lab Sample ID: 500-255604-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 15:17
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:44
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:23
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:03
Total/NA	Analysis	SM 4500 CI- E		2	783697	TR	EET CHI	08/28/24 14:03
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:40
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 14:57
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/27/24 10:44

**Client Sample ID: G39S**

**Date Collected: 08/27/24 12:14**

**Date Received: 08/27/24 13:25**

**Lab Sample ID: 500-255604-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 15:38
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:46
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:26
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:08
Total/NA	Analysis	SM 4500 CI- E		1	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:56
Total/NA	Analysis	SM 4500 SO4 E		2	784540	TR	EET CHI	09/04/24 14:57
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/27/24 12:14

**Client Sample ID: G48S**

**Date Collected: 08/28/24 10:01**

**Date Received: 08/28/24 14:55**

**Lab Sample ID: 500-255604-8**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 15:40
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:49
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:28
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:11
Total/NA	Analysis	SM 4500 CI- E		2	783929	TR	EET CHI	08/29/24 16:36
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:00

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: G48S

Date Collected: 08/28/24 10:01

Date Received: 08/28/24 14:55

## Lab Sample ID: 500-255604-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:15
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/28/24 10:01

## Client Sample ID: G47S

Date Collected: 08/28/24 11:22

Date Received: 08/28/24 14:55

## Lab Sample ID: 500-255604-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 15:56
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:51
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:36
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:13
Total/NA	Analysis	SM 4500 CI- E		2	783929	TR	EET CHI	08/29/24 16:35
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:05
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:15
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/28/24 11:22

## Client Sample ID: T13S

Date Collected: 08/28/24 12:25

Date Received: 08/28/24 14:55

## Lab Sample ID: 500-255604-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 16:11
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:53
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:38
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:16
Total/NA	Analysis	SM 4500 CI- E		1	783929	TR	EET CHI	08/29/24 16:16
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:10
Total/NA	Analysis	SM 4500 SO4 E		5	784540	TR	EET CHI	09/04/24 15:16
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/28/24 12:25

## Client Sample ID: T12S

Date Collected: 08/28/24 13:50

Date Received: 08/28/24 14:55

## Lab Sample ID: 500-255604-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 16:14

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# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: T12S

Date Collected: 08/28/24 13:50

Date Received: 08/28/24 14:55

## Lab Sample ID: 500-255604-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:55
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:40
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:18
Total/NA	Analysis	SM 4500 CI- E		2	783929	TR	EET CHI	08/29/24 16:35
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:14
Total/NA	Analysis	SM 4500 SO4 E		5	784598	TR	EET CHI	09/04/24 17:08
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/28/24 13:50

## Client Sample ID: G44S

Date Collected: 08/29/24 09:56

Date Received: 08/29/24 14:35

## Lab Sample ID: 500-255604-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784622	RN	EET CHI	09/04/24 14:24
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785047	RN	EET CHI	09/06/24 17:25
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:43
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:38
Total/NA	Analysis	SM 4500 CI- E		2	784483	TR	EET CHI	09/04/24 12:34
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:18
Total/NA	Analysis	SM 4500 SO4 E		5	784540	TR	EET CHI	09/04/24 14:58
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/29/24 09:56

## Client Sample ID: G44S Dup

Date Collected: 08/29/24 09:56

Date Received: 08/29/24 14:35

## Lab Sample ID: 500-255604-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784622	RN	EET CHI	09/04/24 14:26
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785047	RN	EET CHI	09/06/24 17:27
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 <sup>1</sup>
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:51
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:45
Total/NA	Analysis	SM 4500 CI- E		2	784483	TR	EET CHI	09/04/24 12:34
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:23
Total/NA	Analysis	SM 4500 SO4 E		5	784540	TR	EET CHI	09/04/24 14:58
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/29/24 09:56

Eurofins Chicago

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: R32S

Date Collected: 08/29/24 12:09

Date Received: 08/29/24 14:35

## Lab Sample ID: 500-255604-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784622	RN	EET CHI	09/04/24 14:28
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785047	RN	EET CHI	09/06/24 17:30
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:30
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:51
Total/NA	Analysis	SM 4500 Cl- E		1	784483	TR	EET CHI	09/04/24 11:51
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:36
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:14
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/29/24 12:09

## Client Sample ID: G45S

Date Collected: 08/29/24 13:16

Date Received: 08/29/24 14:35

## Lab Sample ID: 500-255604-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	784622	RN	EET CHI	09/04/24 14:30
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785047	RN	EET CHI	09/06/24 17:32
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:32
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:53
Total/NA	Analysis	SM 4500 Cl- E		5	784483	TR	EET CHI	09/04/24 12:34
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:40
Total/NA	Analysis	SM 4500 SO4 E		5	784540	TR	EET CHI	09/04/24 14:59
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/29/24 13:16

## Client Sample ID: T09S

Date Collected: 09/03/24 10:43

Date Received: 09/03/24 15:08

## Lab Sample ID: 500-255604-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:27
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 14:42
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		5	786279	RN	EET CHI	09/16/24 11:20
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:34
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:56
Total/NA	Analysis	SM 4500 Cl- E		2	784483	TR	EET CHI	09/04/24 12:34

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# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: T09S

## Lab Sample ID: 500-255604-16

Date Collected: 09/03/24 10:43

Matrix: Water

Date Received: 09/03/24 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:44
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:14
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/03/24 10:43

## Client Sample ID: T06S

## Lab Sample ID: 500-255604-17

Date Collected: 09/03/24 11:57

Matrix: Water

Date Received: 09/03/24 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:29
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 14:45
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	786279	RN	EET CHI	09/16/24 11:22
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:36
Total/NA	Analysis	SM 2540C		1	784340	CLB	EET CHI	09/04/24 02:24
Total/NA	Analysis	SM 4500 Cl- E		1	784483	TR	EET CHI	09/04/24 11:52
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:49
Total/NA	Analysis	SM 4500 SO4 E		2	784540	TR	EET CHI	09/04/24 14:59
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/03/24 11:57

## Client Sample ID: T05S

## Lab Sample ID: 500-255604-18

Date Collected: 09/03/24 13:32

Matrix: Water

Date Received: 09/03/24 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:31
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		5	785456	RN	EET CHI	09/10/24 14:47
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	786279	RN	EET CHI	09/16/24 11:24
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:38
Total/NA	Analysis	SM 2540C		1	784340	CLB	EET CHI	09/04/24 02:26
Total/NA	Analysis	SM 4500 Cl- E		5	784483	TR	EET CHI	09/04/24 12:35
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:54
Total/NA	Analysis	SM 4500 SO4 E		20	784540	TR	EET CHI	09/04/24 15:14
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/03/24 13:32

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: T02S

## Lab Sample ID: 500-255604-19

Date Collected: 09/04/24 10:41

Matrix: Water

Date Received: 09/04/24 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:52
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 14:56
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		5	786279	RN	EET CHI	09/16/24 11:26
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:40
Total/NA	Analysis	9056A		20	786076	NMB	EET CHI	09/14/24 17:00
Total/NA	Analysis	SM 2540C		1	784578	CLB	EET CHI	09/05/24 04:14
Total/NA	Analysis	SM 4500 CI- E		5	785245	TR	EET CHI	09/09/24 13:41
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:59
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/04/24 10:41

## Client Sample ID: T08S

## Lab Sample ID: 500-255604-20

Date Collected: 09/04/24 12:11

Matrix: Water

Date Received: 09/04/24 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:59
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		5	785456	RN	EET CHI	09/10/24 14:58
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		5	786279	RN	EET CHI	09/16/24 11:29
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:42
Total/NA	Analysis	9056A		20	786076	NMB	EET CHI	09/14/24 17:46
Total/NA	Analysis	SM 2540C		1	784578	CLB	EET CHI	09/05/24 04:16
Total/NA	Analysis	SM 4500 CI- E		2	785245	TR	EET CHI	09/09/24 13:41
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 16:04
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/04/24 12:11

## Client Sample ID: T03S

## Lab Sample ID: 500-255604-21

Date Collected: 09/04/24 13:22

Matrix: Water

Date Received: 09/04/24 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 16:05
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 15:01
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	786279	RN	EET CHI	09/16/24 11:31

Eurofins Chicago

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Client Sample ID: T03S

Date Collected: 09/04/24 13:22

Date Received: 09/04/24 14:30

## Lab Sample ID: 500-255604-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:49
Total/NA	Analysis	9056A		10	786076	NMB	EET CHI	09/14/24 18:01
Total/NA	Analysis	SM 2540C		1	784578	CLB	EET CHI	09/05/24 04:19
Total/NA	Analysis	SM 4500 CI- E		5	785245	TR	EET CHI	09/09/24 13:41
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 16:09
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/04/24 13:22

## Client Sample ID: T11S

Date Collected: 09/05/24 10:02

Date Received: 09/05/24 13:20

## Lab Sample ID: 500-255604-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 16:08
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 15:03
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	786279	RN	EET CHI	09/16/24 11:33
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:51
Total/NA	Analysis	9056A		10	786076	NMB	EET CHI	09/14/24 18:16
Total/NA	Analysis	SM 2540C		1	784792	CLB	EET CHI	09/06/24 01:47
Total/NA	Analysis	SM 4500 CI- E		1	785245	TR	EET CHI	09/09/24 13:22
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 16:13
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/05/24 10:02

## Client Sample ID: T01S

Date Collected: 09/05/24 11:24

Date Received: 09/05/24 13:20

## Lab Sample ID: 500-255604-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 16:10
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 15:05
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 <sup>1</sup>
Total Recoverable	Analysis	6020B		5	786279	RN	EET CHI	09/16/24 11:35
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:53
Total/NA	Analysis	9056A		20	786076	NMB	EET CHI	09/14/24 18:31
Total/NA	Analysis	SM 2540C		1	784792	CLB	EET CHI	09/06/24 01:49
Total/NA	Analysis	SM 4500 CI- E		5	785245	TR	EET CHI	09/09/24 13:41

# Lab Chronicle

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

**Client Sample ID: T01S**

**Lab Sample ID: 500-255604-23**

**Date Collected: 09/05/24 11:24**

**Matrix: Water**

**Date Received: 09/05/24 13:20**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 16:17
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/05/24 11:24

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

### Laboratory References:

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

- 1
- 2
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# Accreditation/Certification Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

## Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	05-31-25

- 1
- 2
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- 12
- 13
- 14



Environment Testing

**Eurofins Chicago**

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

Sample ID: G20S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-1

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

**PURGING INFORMATION**

Purge Date: 08/23/24 Start Purge: 1115 End Purge: 1133  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

**MEASUREMENTS**

Well Diameter 2.0 (Inches) 1st 2nd Final  
Stick Up 2.78 (ft) pH 7.15 7.18 7.18 (std.)  
Ref. Measuring Pt. TIC SC 713 715 715 (umhos/cm)  
Well Elevation \*580.87 (ft./msl) Temp. 30.52 30.51 30.51 (°C)  
Water Level 52.80 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 528.07 (ft./msl) 


  
Well Bottom Elevation \*442.28 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Slight Odor  
Weather Conditions: 75°F, Sunny, S winds @ 0-5 mph  
Turbidity: 0.39 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 52.80 - 2.78 = 50.02 (ft)  
Levels were taken on 08/23/24 @ 1110

(Updated: 07/14/2022 )

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



Environment Testing

**Eurofins Chicago**

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

Sample ID: G33S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255104-2

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

**PURGING INFORMATION**

Purge Date: 08/26/24 Start Purge: 0937 End Purge: 0953  
 (2400 Hr. Clock)  
 Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
 Stick Up 1.73 (ft) pH 7.68 7.66 7.66 (std.)  
 Ref. Measuring Pt. TIC SC 732 736 736 (umhos/cm)  
 Well Elevation \*535.67 (ft./msl) Temp. 18.52 18.59 18.59 (°C)  
 Water Level 35.24 (ft.) Well Stabilization / Recharge Grid  
 Ground Water Elev. 500.43 (ft./msl) 


  
 Well Bottom Elevation \*452.72 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor  
 Weather Conditions: 81°F, Mostly Cloudy, S winds @ 5-10 mph  
 Turbidity: 4.68 NTU  
 Other: \*Reference Measurement  
 Depth To Water from L.S. = 35.24 - 1.73 = 33.51 (ft.)  
 Levels were taken on 08/26/24 @ 0932

(Updated: 07/14/2022 )

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





Environment Testing

**Eurofins Chicago**

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

Sample ID: G30S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-3

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

**PURGING INFORMATION**

Purge Date: 08/26/24 Start Purge: 1107 End Purge: 1126  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.25

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.31 (ft) pH 7.60 7.59 7.59 (std.)  
Ref. Measuring Pt. TIC SC 1970 1970 1970 (umhos/cm)  
Well Elevation \*524.86 (ft./msl) Temp. 19.07 19.05 19.05 (°C)  
Water Level 1.55 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 523.31 (ft./msl) 


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

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Moderate Odor  
Weather Conditions: 85°F, Mostly Sunny, SW winds @ 0-5 mph  
Turbidity: 0.57 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 1.55 - 2.31 = -0.76 (ft)  
Levels were taken on 08/26/24 @ 1102

(Updated: 07/14/2022 )

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



Environment Testing

**Eurofins Chicago**

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

Sample ID: G31S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-4

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

**PURGING INFORMATION**

Purge Date: 08/26/24 Start Purge: 1301 End Purge: 1320  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.86

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.58 (ft) pH 7.47 7.46 7.46 (std.)  
Ref. Measuring Pt. TIC SC 2190 2180 2180 (umhos/cm)  
Well Elevation \*535.73 (ft./msl) Temp. 17.07 17.21 17.21 (°C)  
Water Level 30.88 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 504.85 (ft./msl)  
Well Bottom Elevation \*453.36 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Slight Odor  
Weather Conditions: 91°F, Sunny, SW winds e 5-10 mph  
Turbidity: 0.66 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 30.88 - 2.58 = 28.30 (ft.)  
Levels were taken on 08/26/24 @ 1256

(Updated: 07/14/2022 )

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





Environmental Testing

**Eurofins Chicago**

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

Sample ID: R08S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-5

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

**PURGING INFORMATION**

Purge Date: 08/27/24 Start Purge: 0925 End Purge: 0940  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.55 (ft) pH 7.99 7.98 7.98 (std.)  
Ref. Measuring Pt. TIC SC 1082 1085 1085 (umhos/cm)  
Well Elevation \*578.66 (ft./msl) Temp. 15.93 15.95 15.95 (°C)  
Water Level 68.83 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 509.83 (ft./msl) 


  
Well Bottom Elevation \*453.08 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 86°F, Sunny, SW winds e 0-5 mph  
Turbidity: 0.74 NTU  
Other: \*Reference Measurement (Well ID updated 11-25-15)  
Depth To Water from L.S. = 68.83 - 2.55 = 66.28 (ft.)  
Levels were taken on 08/27/24 @ 0920

(Updated: 07/14/2022)

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





Environmental Testing

**Eurofins Chicago**

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

Sample ID: G46S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-16

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

**PURGING INFORMATION**

Purge Date: 08/27/24 Start Purge: 1026 End Purge: 1044  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.81

**MEASUREMENTS**

Well Diameter 4.0 (inches) 1st 2nd Final  
Stick Up 2.70 (ft) pH 7.50 7.55 7.55 (std.)  
Ref. Measuring Pt. TIC SC 1402 1407 1407 (umhos/cm)  
Well Elevation \*601.41 (ft./msl) Temp. 17.41 17.56 17.56 (°C)  
Water Level 88.00 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 513.41 (ft./msl) 


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

**COMMENTS**

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor  
Weather Conditions: 88°F, Sunny, SW winds e 0-5 mph  
Turbidity: 56.30 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 88.00 - 2.70 = 85.30 (A)  
Levels were taken on 08/27/24 @ 1021

(Updated: 07/14/2022)

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



Environment Testing

**Eurofins Chicago**

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

Sample ID: G39S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-7

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

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

Sampling \_\_\_\_\_ Bladder Pump \_\_\_\_\_ Dedicated  (Y/N)

**PURGING INFORMATION**

Purge Date: 08/27/24 Start Purge: 1156 End Purge: 1214  
(2400 Hr. Clock)

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

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final

Stick Up 2.08 (ft) pH 7.33 7.31 7.31 (std.)

Ref. Measuring Pt. TIC SC 860 865 865 (umhos/cm)

Well Elevation \*598.75 (ft./msl) Temp. 14.35 14.41 14.41 (°C)

Water Level 94.71 (ft.) Well Stabilization / Recharge Grid

Ground Water Elev. 504.04 (ft./msl)


Well Bottom Elevation \*454.15 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor

Weather Conditions: 92°F (Real Feel 109°F), Sunny, SW winds @ 0-5 mph

Turbidity 0.93 NTU

Other: \*Reference Measurement

Depth To Water from L.S. = 94.71 - 2.08 = 92.63 (ft.)

Levels were taken on 08/27/24 @ 1151

(Updated: 09-19-2023)

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





Environment Testing

**Eurofins Chicago**

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

Sample ID: G48S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-8

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

**PURGING INFORMATION**

Purge Date: 08/28/24 Start Purge: 0943 End Purge: 1001  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

**MEASUREMENTS**

Well Diameter 4.0 (inches) 1st 2nd Final  
Stick Up 2.45 (ft) pH 7.79 7.77 7.77 (std.)  
Ref. Measuring Pt. TIC SC 1530 1520 1520 (umhos/cm)  
Well Elevation \*620.77 (ft./msl) Temp. 17.87 17.91 17.91 (°C)  
Water Level 101.86 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 518.91 (ft./msl)  
Well Bottom Elevation \*468.32 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Moderate Odor  
Weather Conditions: 73°F, Cloudy, SW windre 5-10 mph  
Turbidity: 1.63 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 101.86 - 2.45 = 99.41 (ft)  
Levels were taken on 08/28/24 @ 0938

(Updated: 07/14/2022)

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



Environment Testing

**Eurofins Chicago**

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

Sample ID: G47S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-9

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

**PURGING INFORMATION**

Purge Date: 08/28/24 Start Purge: 1102 End Purge: 1122  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): \_\_\_\_\_

**MEASUREMENTS**

Well Diameter 4.0 (inches) 1st 2nd Final  
Stick Up 2.50 (ft) pH 7.80 7.81 7.81 (std.)  
Ref. Measuring Pt. TIC SC 1640 1630 1630 (umhos/cm)  
Well Elevation \*612.23 (ft./msl) Temp. 18.27 18.30 18.30 (°C)  
Water Level 91.99 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 520.24 (ft./msl)  
Well Bottom Elevation \*459.84 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Slight Odor  
Weather Conditions: 79°F, Cloudy, SW winds e 5-10 mph  
Turbidity: 0.82 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 91.99 - 2.50 = 89.49 (ft.)  
Levels were taken on 08/28/24 @ 1057.

(Updated: 07/14/2022)

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



Environment Testing

**Eurofins Chicago**

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

Sample ID: T13S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-10

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

**PURGING INFORMATION**

Purge Date: 08/28/24 Start Purge: 1215 End Purge: 1225  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.39

**MEASUREMENTS**

Well Diameter 2.0 (inches)      1st      2nd      Final  
Stick Up 2.76 (ft)      pH 7.48 7.46 7.46 (std.)  
Ref. Measuring Pt. TIC      SC 968 969 969 (umhos/cm)  
Well Elevation \* 525.33 (ft./msl)      Temp. 17.30 17.11 17.11 (°C)  
Water Level 20.19 (ft.)      Well Stabilization / Recharge Grid  
Ground Water Elev. 505.14 (ft./msl)      


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

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Strong Odor  
Weather Conditions: 78°F, Mostly Cloudy, W winds @ 0-5 mph  
Turbidity: 6.21 NTU  
Other: \*Reference Measurement (form added 05/08/2023)  
Depth To Water from L.S. = 20.19 - 2.76 = 17.43 (ft.)  
Levels were taken on 08/28/24 @ 1210  
\* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

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



Environment Testing

**Eurofins Chicago**

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

Sample ID: T12S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-11

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

**PURGING INFORMATION**

Purge Date: 08/28/24 Start Purge: 1338 End Purge: 1350  
 (2400 Hr. Clock)  
 Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
 Stick Up 2.74 (ft) pH 7.43 7.42 7.42 (std.)  
 Ref. Measuring Pt. TIC SC 1116 1123 1123 (umhos/cm)  
 Well Elevation \* 578.74 (ft./msl) Temp. 14.86 14.78 14.78 (°C)  
 Water Level 74.11 (ft.) Well Stabilization / Recharge Grid  
 Ground Water Elev. 504.63 (ft./msl) 


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

**COMMENTS**

Sample Appearance/Odor: Tan, Slight Turbidity, No Odor  
 Weather Conditions: 82°F, Mostly Cloudy, W winds @ 0-5 mph  
 Turbidity: 94.30 NTU  
 Other: \*Reference Measurement (form added 05/08/2023)  
 Depth To Water from L.S. = 74.11 - 2.74 = 71.37 (ft.)  
 Levels were taken on 08/28/24 @ 1333  
 \* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

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



Environment Testing

**Eurofins Chicago**

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

Sample ID: G44S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-12

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

**PURGING INFORMATION**

Purge Date: 08/29/24 Start Purge: 0937 End Purge: 0956  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.18 (ft) pH 7.36 7.34 7.34 (std.)  
Ref. Measuring Pt. TIC SC 1156 1165 1165 (umhos/cm)  
Well Elevation \*586.68 (ft./msl) Temp. 15.26 15.30 15.30 (°C)  
Water Level 84.76 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 501.92 (ft./msl) 


  
Well Bottom Elevation \*455.11 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 74°F, Cloudy, NE winds 0-5 mph  
Turbidity: 3.59 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 84.76 - 2.18 = 82.58 (ft.)  
Levels were taken on 08/29/24 @ 0932

(Updated: 07/14/2022)

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



Environment Testing

**Eurofins Chicago**

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

Sample ID: G44S Dup  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-13

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

**PURGING INFORMATION**

Purge Date: \_\_\_\_\_ Start Purge: \_\_\_\_\_ End Purge: \_\_\_\_\_  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): \_\_\_\_\_

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.18 (ft) pH \_\_\_\_\_ (std.)  
Ref. Measuring Pt. TIC SC \_\_\_\_\_ (umhos/cm)  
Well Elevation \*586.68 (ft./msl) Temp. \_\_\_\_\_ (°C)  
Water Level \_\_\_\_\_ (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. \_\_\_\_\_ (ft./msl)  
Well Bottom Elevation \*455.11 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: \_\_\_\_\_  
Weather Conditions: \_\_\_\_\_  
Turbidity: NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = \_\_\_\_\_  
Levels were taken on \_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(Updated: 07/14/2022 )

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





Environmental Testing

**Eurofins Chicago**

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

Sample ID: R32S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-14

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

**PURGING INFORMATION**

Purge Date: 08/29/24 Start Purge: 1150 End Purge: 1209  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.03 (ft) pH 7.70 7.67 7.67 (std.)  
Ref. Measuring Pt. TIC SC 992 995 995 (umhos/cm)  
Well Elevation \*536.97 (ft./msl) Temp. 13.24 13.34 13.34 (°C)  
Water Level 23.81 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 513.16 (ft./msl)  
Well Bottom Elevation \*457.84 (ft./msl)


**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 80°F, Mostly Cloudy, E winds @ 0-5 mph  
Turbidity: 2.52 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 23.81 - 2.03 = 21.78 (ft.)  
Levels were taken on 08/29/24 @ 1145

(Updated: 07/14/2022)

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





Environment Testing

**Eurofins Chicago**

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

Sample ID: G45S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-15

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

**PURGING INFORMATION**

Purge Date: 08/29/24 Start Purge: 1300 End Purge: 1316  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.97 (ft) pH 7.28 7.30 7.30 (std.)  
Ref. Measuring Pt. TIC SC 1027 1038 1038 (umhos/cm)  
Well Elevation \*603.80 (ft./msl) Temp. 16.05 15.89 15.89 (°C)  
Water Level 62.51 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 541.29 (ft./msl)  
Well Bottom Elevation \*471.05 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Moderate Odor  
Weather Conditions: 85°F, Mostly Cloudy, SE winds @ 0-5 mph  
Turbidity: 3.09 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 62.51 - 2.97 = 59.54 (ft.)  
Levels were taken on 08/29/24 @ 1255

(Updated: 07/14/2022)

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





Environmental Testing

**Eurofins Chicago**

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

Sample ID: T09S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-16

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

**PURGING INFORMATION**

Purge Date: 09/03/24 Start Purge: 1025 End Purge: 1043  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.40 (ft) pH 7.80 7.78 7.78 (std.)  
Ref. Measuring Pt. TIC SC 1193 1191 1191 (umhos/cm)  
Well Elevation \* 603.48 (ft./msl) Temp. 12.90 12.89 12.89 (°C)  
Water Level 111.59 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 491.89 (ft./msl)  
Well Bottom Elevation \* 444.80 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 69°F, Sunny, SE winds @ 5-10 mph  
Turbidity: 20.40 NTU  
Other: \*Reference Measurement (updated 02/19/14)  
Depth To Water from L.S. = 111.59 - 2.40 = 109.19 (ft)  
Levels were taken on 09/03/24 @ 1010  
\* Total Depth: 158.59

(Updated: 07/14/2022)

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





Environment Testing

**Eurofins Chicago**

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

Sample ID: T06S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-17

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

**PURGING INFORMATION**

Purge Date: 09/03/24 Start Purge: 1142 End Purge: 1157  
 (2400 Hr. Clock)  
 Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
 Stick Up 2.30 (ft) pH 7.29 7.28 7.28 (std.)  
 Ref. Measuring Pt. TIC SC 801 798 798 (umhos/cm)  
 Well Elevation \* 621.05 (ft./msl) Temp. 22.12 22.05 22.05 (°C)  
 Water Level 117.36 (ft.) Well Stabilization / Recharge Grid  
 Ground Water Elev. 503.69 (ft./msl) 


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

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
 Weather Conditions: 72°F, Sunny, SE winds @ 5-10 mph  
 Turbidity: 5.98 NTU  
 Other: \*Reference Measurement  
 Depth To Water from L.S. = 117.36 - 2.30 = 115.06 (ft.)  
 Levels were taken on 09/03/24 @ 1127  
 \* Total Deth = 173.00

(Updated: 07/14/2022)

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





Environment Testing

**Eurofins Chicago**

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

Sample ID: T05S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-18

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

**PURGING INFORMATION**

Purge Date: 09/03/24 Start Purge: 1315 End Purge: 1332  
 (2400 Hr. Clock)  
 Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
 Stick Up 2.40 (ft) pH 9.10 9.13 9.13 (std.)  
 Ref. Measuring Pt. TIC SC 2390 2380 2380 (umhos/cm)  
 Well Elevation \* 623.50 (ft./msl) Temp. 20.25 20.18 20.18 (°C)  
 Water Level 122.04 (ft.) Well Stabilization / Recharge Grid  
 Ground Water Elev. 501.46 (ft./msl) 


  
 Well Bottom Elevation \* 448.35 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, Moderate Odor  
 Weather Conditions: 74°F, Sunny, SE winds @ 0-5 mph  
 Turbidity: 2.76 NTU  
 Other: \*Reference Measurement  
 Depth To Water from L.S. = 122.04 - 2.40 = 119.64 (ft.)  
 Levels were taken on 09/03/24 @ 1300  
 \* Total Deth = 175.00

(Updated: 07/14/2022)

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





Environmental Testing

**Eurofins Chicago**

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

Sample ID: T02S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255104-19

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

**PURGING INFORMATION**

Purge Date: 09/04/24 Start Purge: 1024 End Purge: 1040  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.33 (ft) pH 7.68 7.70 7.70 (std.)  
Ref. Measuring Pt. TIC SC 1264 1277 1277 (umhos/cm)  
Well Elevation \* 626.12 (ft./msl) Temp. 18.28 18.34 18.34 (°C)  
Water Level 133.31 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 492.81 (ft./msl) 


  
Well Bottom Elevation \* 453.40 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor  
Weather Conditions: 74°F, Sunny, SE winds @ 0-5 mph  
Turbidity: 68.70 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 133.31 - 2.33 = 130.98 (ft.)  
Levels were taken on 09/04/24 @ 1009.  
\* Total Depth = 172.75

(Updated: 07/14/2022)

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





Environmental Testing

**Eurofins Chicago**

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

Sample ID: T08S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-259104-20

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

**PURGING INFORMATION**

Purge Date: 09/04/24 Start Purge: 1155 End Purge: 1211  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.38 (ft) pH 8.06 8.09 8.09 (std.)  
Ref. Measuring Pt. TIC SC 1381 1372 1372 (umhos/cm)  
Well Elevation \* 627.55 (ft./msl) Temp. 23.12 23.05 23.05 (°C)  
Water Level 128.88 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 498.67 (ft./msl)  
Well Bottom Elevation \* 447.38 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor  
Weather Conditions: 76°F, Sunny, SE winds @ 0-5 mph  
Turbidity: 3.05 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 128.88 - 2.38 = 126.50 (ft.)  
Levels were taken on 09/04/24 @ 1140  
\* Total Deth = 180.00

(Updated: 07/14/2022)

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





Environmental Testing

**Eurofins Chicago**

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

Sample ID: T03S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-255604-21

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

**PURGING INFORMATION**

Purge Date: 09/04/24 Start Purge: 1306 End Purge: 1322  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 3.08 (ft) pH 7.57 7.58 7.58 (std.)  
Ref. Measuring Pt. TIC SC 1324 1307 1307 (umhos/cm)  
Well Elevation \* 629.85 (ft./msl) Temp. 13.08 13.07 13.07 (°C)  
Water Level 137.40 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 492.45 (ft./msl) 


  
Well Bottom Elevation \* 456.70 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Colorless, Clear, No Odor  
Weather Conditions: 81°F, Sunny, SE winds e 0-5 mph  
Turbidity: 1.57 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 137.40 - 3.08 = 134.32 (ft)  
Levels were taken on 09/04/24 @ 1301  
\* Total Depth = 172.95

(Updated: 07/14/2022)

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







Environmental Testing

**Eurofins Chicago**

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

Sample ID: T01S  
Facility: Midwest Generation-Joliet #9 CCR  
Job #: 500-259104-23

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

**PURGING INFORMATION**

Purge Date: 09/05/24 Start Purge: 1108 End Purge: 1124  
(2400 Hr. Clock)  
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.21

**MEASUREMENTS**

Well Diameter 2.0 (inches) 1st 2nd Final  
Stick Up 2.48 (ft) pH 7.33 7.34 7.34 (std.)  
Ref. Measuring Pt. TIC SC 1424 1427 1427 (umhos/cm)  
Well Elevation \* 621.84 (ft./msl) Temp. 23.44 23.50 23.50 (°C)  
Water Level 122.41 (ft.) Well Stabilization / Recharge Grid  
Ground Water Elev. 499.43 (ft./msl) 


  
Well Bottom Elevation \* 451.46 (ft./msl)

**COMMENTS**

Sample Appearance/Odor: Tan, Moderate Turbidity, Slight Odor  
Weather Conditions: 83°F, Partly Sunny, SW winds @ 5-10 mph  
Turbidity: 71.70 NTU  
Other: \*Reference Measurement  
Depth To Water from L.S. = 122.41 - 2.48 = 119.93 (ft.)  
Levels were taken on 09/05/24 @ 1150  
\* Total Depth = 170.00

(Updated: 07/14/2022)

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



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kaelyn Sperle  
KPRG and Associates, Inc.  
14665 West Lisbon Road,  
Suite 1A  
Brookfield, Wisconsin 53005

Generated 10/1/2024 2:57:10 PM

## JOB DESCRIPTION

Joliet #9 (Quarry) CCR 3Q24

## JOB NUMBER

500-255604-2

# Eurofins Chicago

## Job Notes

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## Authorization



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# Case Narrative

Client: KPRG and Associates, Inc.  
Project: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Job ID: 500-255604-2**

**Eurofins Chicago**

## Job Narrative 500-255604-2

### Receipt

The samples were received on 8/23/2024 3:45 PM, 8/26/2024 2:25 PM, 8/27/2024 1:25 PM, 8/28/2024 2:55 PM, 8/29/2024 2:35 PM, 9/3/2024 3:08 PM, 9/4/2024 2:30 PM and 9/5/2024 1:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 2.0°C, 2.8°C, 3.7°C, 3.8°C, 3.8°C, 3.8°C, 4.1°C and 5.7°C.

### Gas Flow Proportional Counter

Method 904.0: Radium-228 batch 678692

The detection goal was not met for the following sample due to the reduced sample volume used in prep attributed to the presence of matrix interferences: T01S (500-255604-23). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 batch 678274

The detection goal was not met for the following sample due to the reduced sample volume used in prep attributed to the presence of matrix interferences: T05S (500-255604-18). Analytical results are reported with the detection limit achieved.

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

### Rad

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

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# Method Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

#### Protocol References:

EPA = US Environmental Protection Agency

None = None

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

#### Laboratory References:

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

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# Sample Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-255604-1	G20S	Water	08/23/24 11:33	08/23/24 15:45
500-255604-2	G33S	Water	08/26/24 09:53	08/26/24 14:25
500-255604-3	G30S	Water	08/26/24 11:26	08/26/24 14:25
500-255604-4	G31S	Water	08/26/24 13:20	08/26/24 14:25
500-255604-5	R08S	Water	08/27/24 09:40	08/27/24 13:25
500-255604-6	G46S	Water	08/27/24 10:44	08/27/24 13:25
500-255604-7	G39S	Water	08/27/24 12:14	08/27/24 13:25
500-255604-8	G48S	Water	08/28/24 10:01	08/28/24 14:55
500-255604-9	G47S	Water	08/28/24 11:22	08/28/24 14:55
500-255604-10	T13S	Water	08/28/24 12:25	08/28/24 14:55
500-255604-11	T12S	Water	08/28/24 13:50	08/28/24 14:55
500-255604-12	G44S	Water	08/29/24 09:56	08/29/24 14:35
500-255604-13	G44S Dup	Water	08/29/24 09:56	08/29/24 14:35
500-255604-14	R32S	Water	08/29/24 12:09	08/29/24 14:35
500-255604-15	G45S	Water	08/29/24 13:16	08/29/24 14:35
500-255604-16	T09S	Water	09/03/24 10:43	09/03/24 15:08
500-255604-17	T06S	Water	09/03/24 11:57	09/03/24 15:08
500-255604-18	T05S	Water	09/03/24 13:32	09/03/24 15:08
500-255604-19	T02S	Water	09/04/24 10:41	09/04/24 14:30
500-255604-20	T08S	Water	09/04/24 12:11	09/04/24 14:30
500-255604-21	T03S	Water	09/04/24 13:22	09/04/24 14:30
500-255604-22	T11S	Water	09/05/24 10:02	09/05/24 13:20
500-255604-23	T01S	Water	09/05/24 11:24	09/05/24 13:20

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G20S**

**Lab Sample ID: 500-255604-1**

Date Collected: 08/23/24 11:33

Matrix: Water

Date Received: 08/23/24 15:45

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.997		0.313	0.326	1.00	0.306	pCi/L	08/29/24 08:24	09/24/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					08/29/24 08:24	09/24/24 08:01	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.12		0.508	0.518	1.00	0.688	pCi/L	08/29/24 08:29	09/23/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					08/29/24 08:29	09/23/24 13:23	1
Y Carrier	76.6		30 - 110					08/29/24 08:29	09/23/24 13:23	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.11		0.597	0.612	5.00	0.688	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G33S**

**Lab Sample ID: 500-255604-2**

Date Collected: 08/26/24 09:53

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.589		0.236	0.242	1.00	0.249	pCi/L	08/29/24 08:24	09/24/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/29/24 08:24	09/24/24 08:01	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.511	U	0.286	0.286	1.00	0.511	pCi/L	08/29/24 08:29	09/23/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/29/24 08:29	09/23/24 13:23	1
Y Carrier	77.8		30 - 110					08/29/24 08:29	09/23/24 13:23	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.706		0.371	0.375	5.00	0.511	pCi/L		09/27/24 16:44	1



# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G30S**

**Lab Sample ID: 500-255604-3**

Date Collected: 08/26/24 11:26

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.709</b>		0.239	0.247	1.00	0.221	pCi/L	08/29/24 08:24	09/24/24 17:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/29/24 08:24	09/24/24 17:03	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>1.48</b>		0.562	0.578	1.00	0.724	pCi/L	08/29/24 08:29	09/23/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/29/24 08:29	09/23/24 13:23	1
Y Carrier	77.4		30 - 110					08/29/24 08:29	09/23/24 13:23	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>2.19</b>		0.611	0.629	5.00	0.724	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G31S**

**Lab Sample ID: 500-255604-4**

Date Collected: 08/26/24 13:20

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.52		0.337	0.364	1.00	0.234	pCi/L	08/29/24 08:24	09/24/24 17:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.7		30 - 110					08/29/24 08:24	09/24/24 17:03	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.89		0.618	0.642	1.00	0.738	pCi/L	08/29/24 08:29	09/23/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.7		30 - 110					08/29/24 08:29	09/23/24 13:25	1
Y Carrier	72.5		30 - 110					08/29/24 08:29	09/23/24 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.41		0.704	0.738	5.00	0.738	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: R08S**

**Lab Sample ID: 500-255604-5**

Date Collected: 08/27/24 09:40

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.634</b>		0.259	0.265	1.00	0.314	pCi/L	08/29/24 08:24	09/24/24 17:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					08/29/24 08:24	09/24/24 17:03	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>1.02</b>		0.471	0.480	1.00	0.629	pCi/L	08/29/24 08:29	09/23/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					08/29/24 08:29	09/23/24 13:25	1
Y Carrier	75.9		30 - 110					08/29/24 08:29	09/23/24 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>1.65</b>		0.538	0.548	5.00	0.629	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G46S**

**Lab Sample ID: 500-255604-6**

Date Collected: 08/27/24 10:44

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>1.37</b>		0.336	0.358	1.00	0.280	pCi/L	08/29/24 08:24	09/24/24 17:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		30 - 110					08/29/24 08:24	09/24/24 17:03	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>1.78</b>		0.647	0.668	1.00	0.833	pCi/L	08/29/24 08:29	09/23/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		30 - 110					08/29/24 08:29	09/23/24 13:25	1
Y Carrier	75.1		30 - 110					08/29/24 08:29	09/23/24 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>3.15</b>		0.729	0.758	5.00	0.833	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G39S**

**Lab Sample ID: 500-255604-7**

Date Collected: 08/27/24 12:14

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.600		0.218	0.225	1.00	0.213	pCi/L	08/29/24 08:24	09/24/24 17:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					08/29/24 08:24	09/24/24 17:05	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.635	U	0.348	0.348	1.00	0.635	pCi/L	08/29/24 08:29	09/23/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					08/29/24 08:29	09/23/24 13:25	1
Y Carrier	79.3		30 - 110					08/29/24 08:29	09/23/24 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.665		0.411	0.414	5.00	0.635	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G48S**

**Lab Sample ID: 500-255604-8**

Date Collected: 08/28/24 10:01

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.518		0.271	0.275	1.00	0.332	pCi/L	08/30/24 09:06	09/24/24 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		30 - 110					08/30/24 09:06	09/24/24 17:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.30		0.483	0.498	1.00	0.596	pCi/L	08/30/24 11:46	09/24/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		30 - 110					08/30/24 11:46	09/24/24 12:22	1
Y Carrier	79.6		30 - 110					08/30/24 11:46	09/24/24 12:22	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.82		0.554	0.569	5.00	0.596	pCi/L		09/27/24 16:45	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G47S**

**Lab Sample ID: 500-255604-9**

Date Collected: 08/28/24 11:22

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.345	U	0.200	0.200	1.00	0.345	pCi/L	08/30/24 09:06	09/24/24 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					08/30/24 09:06	09/24/24 17:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.993		0.425	0.434	1.00	0.553	pCi/L	08/30/24 11:46	09/24/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					08/30/24 11:46	09/24/24 12:22	1
Y Carrier	78.9		30 - 110					08/30/24 11:46	09/24/24 12:22	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.12		0.470	0.478	5.00	0.553	pCi/L		09/27/24 16:45	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T13S**

**Lab Sample ID: 500-255604-10**

Date Collected: 08/28/24 12:25

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.01		0.371	0.382	1.00	0.423	pCi/L	08/30/24 09:06	09/24/24 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/30/24 09:06	09/24/24 17:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.742		0.442	0.447	1.00	0.647	pCi/L	08/30/24 11:46	09/24/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/30/24 11:46	09/24/24 12:22	1
Y Carrier	77.0		30 - 110					08/30/24 11:46	09/24/24 12:22	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.75		0.577	0.588	5.00	0.647	pCi/L		09/27/24 16:45	1



# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T12S**

**Lab Sample ID: 500-255604-11**

Date Collected: 08/28/24 13:50

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.796		0.345	0.352	1.00	0.421	pCi/L	08/30/24 09:06	09/24/24 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					08/30/24 09:06	09/24/24 17:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.495	0.506	1.00	0.674	pCi/L	08/30/24 11:46	09/24/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					08/30/24 11:46	09/24/24 12:22	1
Y Carrier	77.4		30 - 110					08/30/24 11:46	09/24/24 12:22	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.94		0.603	0.616	5.00	0.674	pCi/L		09/27/24 16:45	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G44S**

**Lab Sample ID: 500-255604-12**

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.716		0.255	0.263	1.00	0.266	pCi/L	09/03/24 08:35	09/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					09/03/24 08:35	09/26/24 08:14	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.764		0.396	0.402	1.00	0.561	pCi/L	09/03/24 08:42	09/25/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					09/03/24 08:42	09/25/24 11:51	1
Y Carrier	82.2		30 - 110					09/03/24 08:42	09/25/24 11:51	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.48		0.471	0.480	5.00	0.561	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G44S Dup**

**Lab Sample ID: 500-255604-13**

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.729		0.285	0.292	1.00	0.334	pCi/L	09/03/24 08:35	09/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					09/03/24 08:35	09/26/24 08:14	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.539		0.348	0.351	1.00	0.507	pCi/L	09/03/24 08:42	09/25/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					09/03/24 08:42	09/25/24 11:55	1
Y Carrier	79.3		30 - 110					09/03/24 08:42	09/25/24 11:55	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.27		0.450	0.457	5.00	0.507	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: R32S**

**Lab Sample ID: 500-255604-14**

Date Collected: 08/29/24 12:09

Matrix: Water

Date Received: 08/29/24 14:35

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.17		0.345	0.361	1.00	0.346	pCi/L	09/03/24 08:35	09/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					09/03/24 08:35	09/26/24 08:14	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.36		0.455	0.472	1.00	0.531	pCi/L	09/03/24 08:42	09/25/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					09/03/24 08:42	09/25/24 11:55	1
Y Carrier	78.5		30 - 110					09/03/24 08:42	09/25/24 11:55	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.52		0.571	0.594	5.00	0.531	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G45S**

**Lab Sample ID: 500-255604-15**

Date Collected: 08/29/24 13:16

Matrix: Water

Date Received: 08/29/24 14:35

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.02		0.305	0.319	1.00	0.300	pCi/L	09/03/24 08:35	09/26/24 08:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					09/03/24 08:35	09/26/24 08:13	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.543	U	0.349	0.351	1.00	0.543	pCi/L	09/03/24 08:42	09/25/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					09/03/24 08:42	09/25/24 11:56	1
Y Carrier	75.9		30 - 110					09/03/24 08:42	09/25/24 11:56	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.42		0.463	0.474	5.00	0.543	pCi/L		09/27/24 16:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T09S**

**Lab Sample ID: 500-255604-16**

Date Collected: 09/03/24 10:43

Matrix: Water

Date Received: 09/03/24 15:08

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.08		0.282	0.299	1.00	0.225	pCi/L	09/05/24 08:43	09/27/24 14:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					09/05/24 08:43	09/27/24 14:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.23		0.471	0.484	1.00	0.606	pCi/L	09/05/24 08:46	09/26/24 11:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					09/05/24 08:46	09/26/24 11:35	1
Y Carrier	75.9		30 - 110					09/05/24 08:46	09/26/24 11:35	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.31		0.549	0.569	5.00	0.606	pCi/L		09/30/24 15:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T06S**

**Lab Sample ID: 500-255604-17**

Date Collected: 09/03/24 11:57

Matrix: Water

Date Received: 09/03/24 15:08

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.08		0.271	0.288	1.00	0.180	pCi/L	09/05/24 08:43	09/27/24 14:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					09/05/24 08:43	09/27/24 14:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.717		0.394	0.400	1.00	0.555	pCi/L	09/05/24 08:46	09/26/24 11:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					09/05/24 08:46	09/26/24 11:35	1
Y Carrier	73.6		30 - 110					09/05/24 08:46	09/26/24 11:35	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.79		0.478	0.493	5.00	0.555	pCi/L		09/30/24 15:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T05S**

**Lab Sample ID: 500-255604-18**

Date Collected: 09/03/24 13:32

Matrix: Water

Date Received: 09/03/24 15:08

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.442	U	0.295	0.296	1.00	0.442	pCi/L	09/05/24 08:43	09/27/24 18:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					09/05/24 08:43	09/27/24 18:48	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<1.49	U G	0.922	0.926	1.00	1.49	pCi/L	09/05/24 08:46	09/26/24 11:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					09/05/24 08:46	09/26/24 11:35	1
Y Carrier	77.4		30 - 110					09/05/24 08:46	09/26/24 11:35	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<1.49	U	0.968	0.972	5.00	1.49	pCi/L		09/30/24 15:44	1



# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T02S**

**Lab Sample ID: 500-255604-19**

Date Collected: 09/04/24 10:41

Matrix: Water

Date Received: 09/04/24 14:30

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>1.08</b>		0.264	0.282	1.00	0.208	pCi/L	09/06/24 08:21	09/30/24 06:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110					09/06/24 08:21	09/30/24 06:54	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>1.42</b>		0.645	0.658	1.00	0.878	pCi/L	09/06/24 08:28	09/26/24 13:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110					09/06/24 08:28	09/26/24 13:48	1
Y Carrier	74.0		30 - 110					09/06/24 08:28	09/26/24 13:48	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>2.50</b>		0.697	0.716	5.00	0.878	pCi/L		09/30/24 15:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T08S**

**Lab Sample ID: 500-255604-20**

Date Collected: 09/04/24 12:11

Matrix: Water

Date Received: 09/04/24 14:30

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.348		0.149	0.152	1.00	0.164	pCi/L	09/06/24 08:21	09/30/24 06:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					09/06/24 08:21	09/30/24 06:55	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.643	U	0.378	0.379	1.00	0.643	pCi/L	09/06/24 08:28	09/26/24 13:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					09/06/24 08:28	09/26/24 13:48	1
Y Carrier	77.4		30 - 110					09/06/24 08:28	09/26/24 13:48	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.643	U	0.406	0.408	5.00	0.643	pCi/L		09/30/24 15:44	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T03S**

**Lab Sample ID: 500-255604-21**

Date Collected: 09/04/24 13:22

Matrix: Water

Date Received: 09/04/24 14:30

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.555		0.166	0.174	1.00	0.138	pCi/L	09/06/24 08:21	09/30/24 06:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					09/06/24 08:21	09/30/24 06:55	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.587	U	0.389	0.392	1.00	0.587	pCi/L	09/06/24 08:28	09/26/24 13:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					09/06/24 08:28	09/26/24 13:50	1
Y Carrier	78.5		30 - 110					09/06/24 08:28	09/26/24 13:50	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.11		0.423	0.429	5.00	0.587	pCi/L		10/01/24 14:08	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T11S**

**Lab Sample ID: 500-255604-22**

Date Collected: 09/05/24 10:02

Matrix: Water

Date Received: 09/05/24 13:20

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.733		0.161	0.174	1.00	0.106	pCi/L	09/09/24 09:30	10/01/24 07:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					09/09/24 09:30	10/01/24 07:37	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.972		0.490	0.498	1.00	0.682	pCi/L	09/09/24 09:36	09/20/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					09/09/24 09:36	09/20/24 12:06	1
Y Carrier	73.6		30 - 110					09/09/24 09:36	09/20/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.70		0.516	0.528	5.00	0.682	pCi/L		10/01/24 14:08	1

# Client Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: T01S**

**Lab Sample ID: 500-255604-23**

Date Collected: 09/05/24 11:24

Matrix: Water

Date Received: 09/05/24 13:20

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.01		0.381	0.422	1.00	0.238	pCi/L	09/09/24 09:30	10/01/24 07:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					09/09/24 09:30	10/01/24 07:37	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<1.17	U G	0.638	0.638	1.00	1.17	pCi/L	09/09/24 09:36	09/20/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					09/09/24 09:36	09/20/24 12:06	1
Y Carrier	76.3		30 - 110					09/09/24 09:36	09/20/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.16		0.743	0.765	5.00	1.17	pCi/L		10/01/24 14:08	1

# Definitions/Glossary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Qualifiers

### Rad

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

## Glossary

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

# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Rad

### Prep Batch: 677338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	PrecSep-21	
500-255604-2	G33S	Total/NA	Water	PrecSep-21	
500-255604-3	G30S	Total/NA	Water	PrecSep-21	
500-255604-4	G31S	Total/NA	Water	PrecSep-21	
500-255604-5	R08S	Total/NA	Water	PrecSep-21	
500-255604-6	G46S	Total/NA	Water	PrecSep-21	
500-255604-7	G39S	Total/NA	Water	PrecSep-21	
MB 160-677338/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-677338/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 677339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	PrecSep_0	
500-255604-2	G33S	Total/NA	Water	PrecSep_0	
500-255604-3	G30S	Total/NA	Water	PrecSep_0	
500-255604-4	G31S	Total/NA	Water	PrecSep_0	
500-255604-5	R08S	Total/NA	Water	PrecSep_0	
500-255604-6	G46S	Total/NA	Water	PrecSep_0	
500-255604-7	G39S	Total/NA	Water	PrecSep_0	
MB 160-677339/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-677339/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 677428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-8	G48S	Total/NA	Water	PrecSep-21	
500-255604-9	G47S	Total/NA	Water	PrecSep-21	
500-255604-10	T13S	Total/NA	Water	PrecSep-21	
500-255604-11	T12S	Total/NA	Water	PrecSep-21	
MB 160-677428/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-677428/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 677559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-8	G48S	Total/NA	Water	PrecSep_0	
500-255604-9	G47S	Total/NA	Water	PrecSep_0	
500-255604-10	T13S	Total/NA	Water	PrecSep_0	
500-255604-11	T12S	Total/NA	Water	PrecSep_0	
MB 160-677559/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-677559/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 677856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total/NA	Water	PrecSep-21	
500-255604-13	G44S Dup	Total/NA	Water	PrecSep-21	
500-255604-14	R32S	Total/NA	Water	PrecSep-21	
500-255604-15	G45S	Total/NA	Water	PrecSep-21	
MB 160-677856/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-677856/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Rad

### Prep Batch: 677857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total/NA	Water	PrecSep_0	
500-255604-13	G44S Dup	Total/NA	Water	PrecSep_0	
500-255604-14	R32S	Total/NA	Water	PrecSep_0	
500-255604-15	G45S	Total/NA	Water	PrecSep_0	
MB 160-677857/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-677857/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 678273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total/NA	Water	PrecSep-21	
500-255604-17	T06S	Total/NA	Water	PrecSep-21	
500-255604-18	T05S	Total/NA	Water	PrecSep-21	
MB 160-678273/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-678273/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 678274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total/NA	Water	PrecSep_0	
500-255604-17	T06S	Total/NA	Water	PrecSep_0	
500-255604-18	T05S	Total/NA	Water	PrecSep_0	
MB 160-678274/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-678274/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 678479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	PrecSep-21	
500-255604-20	T08S	Total/NA	Water	PrecSep-21	
500-255604-21	T03S	Total/NA	Water	PrecSep-21	
MB 160-678479/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-678479/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 678480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	PrecSep_0	
500-255604-20	T08S	Total/NA	Water	PrecSep_0	
500-255604-21	T03S	Total/NA	Water	PrecSep_0	
MB 160-678480/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-678480/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 678651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-22	T11S	Total/NA	Water	PrecSep-21	
500-255604-23	T01S	Total/NA	Water	PrecSep-21	
MB 160-678651/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-678651/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-255604-22 DU	T11S	Total/NA	Water	PrecSep-21	

### Prep Batch: 678692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-22	T11S	Total/NA	Water	PrecSep_0	
500-255604-23	T01S	Total/NA	Water	PrecSep_0	

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# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Rad (Continued)

### Prep Batch: 678692 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 160-678692/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-678692/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-255604-22 DU	T11S	Total/NA	Water	PrecSep_0	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

**Lab Sample ID: MB 160-677338/1-A**  
**Matrix: Water**  
**Analysis Batch: 680591**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 677338**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	<0.332	U	0.131	0.131	1.00	0.332	pCi/L	08/29/24 08:24	09/23/24 22:27	1
Carrier	MB		Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	91.4		30 - 110			08/29/24 08:24	09/23/24 22:27	1		

**Lab Sample ID: LCS 160-677338/2-A**  
**Matrix: Water**  
**Analysis Batch: 680591**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 677338**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.58	8.176		1.09	1.00	0.292	pCi/L	85	75 - 125
Carrier	LCS	LCS	Limits			Prepared	Analyzed	Dil Fac	
	%Yield	Qualifier							
Ba Carrier	96.8		30 - 110						

**Lab Sample ID: MB 160-677428/1-A**  
**Matrix: Water**  
**Analysis Batch: 680653**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 677428**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	<0.243	U	0.136	0.136	1.00	0.243	pCi/L	08/30/24 09:06	09/24/24 17:07	1
Carrier	MB		Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	98.5		30 - 110			08/30/24 09:06	09/24/24 17:07	1		

**Lab Sample ID: LCS 160-677428/2-A**  
**Matrix: Water**  
**Analysis Batch: 680653**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 677428**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.58	9.977		1.34	1.00	0.348	pCi/L	104	75 - 125
Carrier	LCS	LCS	Limits			Prepared	Analyzed	Dil Fac	
	%Yield	Qualifier							
Ba Carrier	86.0		30 - 110						

**Lab Sample ID: MB 160-677856/1-A**  
**Matrix: Water**  
**Analysis Batch: 681031**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 677856**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.3316		0.195	0.197	1.00	0.241	pCi/L	09/03/24 08:35	09/26/24 08:13	1

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# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

**Lab Sample ID: MB 160-677856/1-A**  
**Matrix: Water**  
**Analysis Batch: 681031**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 677856**

Carrier	<i>MB</i> %Yield	<i>MB</i> Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110	09/03/24 08:35	09/26/24 08:13	1

**Lab Sample ID: LCS 160-677856/2-A**  
**Matrix: Water**  
**Analysis Batch: 681031**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 677856**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.137		1.25	1.00	0.409	pCi/L	95	75 - 125

Carrier	<i>LCS</i> %Yield	<i>LCS</i> Qualifier	Limits
Ba Carrier	72.9		30 - 110

**Lab Sample ID: MB 160-678273/1-A**  
**Matrix: Water**  
**Analysis Batch: 681292**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 678273**

Analyte	<i>MB</i> Result	<i>MB</i> Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.255	U	0.131	0.131	1.00	0.255	pCi/L	09/05/24 08:43	09/27/24 14:51	1

Carrier	<i>MB</i> %Yield	<i>MB</i> Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110	09/05/24 08:43	09/27/24 14:51	1

**Lab Sample ID: LCS 160-678273/2-A**  
**Matrix: Water**  
**Analysis Batch: 681292**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 678273**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.383		1.15	1.00	0.217	pCi/L	98	75 - 125

Carrier	<i>LCS</i> %Yield	<i>LCS</i> Qualifier	Limits
Ba Carrier	91.1		30 - 110

**Lab Sample ID: MB 160-678479/1-A**  
**Matrix: Water**  
**Analysis Batch: 681511**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 678479**

Analyte	<i>MB</i> Result	<i>MB</i> Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.132	U	0.0546	0.0546	1.00	0.132	pCi/L	09/06/24 08:21	09/30/24 06:53	1

Carrier	<i>MB</i> %Yield	<i>MB</i> Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		30 - 110	09/06/24 08:21	09/30/24 06:53	1

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# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

**Lab Sample ID: LCS 160-678479/2-A**  
**Matrix: Water**  
**Analysis Batch: 681511**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 678479**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
									75	125
Radium-226	9.58	9.880		1.10	1.00	0.201	pCi/L	103	75	125
<b>Carrier</b>		<b>LCS %Yield</b>	<b>LCS Qualifier</b>	<b>Limits</b>						
Ba Carrier		90.4		30 - 110						

**Lab Sample ID: MB 160-678651/1-A**  
**Matrix: Water**  
**Analysis Batch: 681677**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 678651**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Carrier</b>		<b>MB %Yield</b>	<b>MB Qualifier</b>	<b>Limits</b>			<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier		87.2		30 - 110			09/09/24 09:30		10/01/24 07:36	1

**Lab Sample ID: LCS 160-678651/2-A**  
**Matrix: Water**  
**Analysis Batch: 681677**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 678651**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
									75	125
Radium-226	9.58	8.465		0.903	1.00	0.108	pCi/L	88	75	125
<b>Carrier</b>		<b>LCS %Yield</b>	<b>LCS Qualifier</b>	<b>Limits</b>						
Ba Carrier		99.5		30 - 110						

**Lab Sample ID: 500-255604-22 DU**  
**Matrix: Water**  
**Analysis Batch: 681677**

**Client Sample ID: T11S**  
**Prep Type: Total/NA**  
**Prep Batch: 678651**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
										1
Radium-226	0.733		0.4265		0.126	1.00	0.0920	pCi/L	1.02	1
<b>Carrier</b>		<b>DU %Yield</b>	<b>DU Qualifier</b>	<b>Limits</b>						
Ba Carrier		89.2		30 - 110						

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

**Lab Sample ID: MB 160-677339/1-A**  
**Matrix: Water**  
**Analysis Batch: 680628**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 677339**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac

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# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110	08/29/24 08:29	09/23/24 13:21	1
Y Carrier	80.7		30 - 110	08/29/24 08:29	09/23/24 13:21	1

**Lab Sample ID: LCS 160-677339/2-A**  
**Matrix: Water**  
**Analysis Batch: 680628**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 677339**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.49	8.590		1.25	1.00	0.645	pCi/L	101	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	80.0		30 - 110

**Lab Sample ID: MB 160-677559/1-A**  
**Matrix: Water**  
**Analysis Batch: 680776**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 677559**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.513	U	0.308	0.309	1.00	0.513	pCi/L	08/30/24 11:46	09/24/24 12:33	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110	08/30/24 11:46	09/24/24 12:33	1
Y Carrier	78.1		30 - 110	08/30/24 11:46	09/24/24 12:33	1

**Lab Sample ID: LCS 160-677559/2-A**  
**Matrix: Water**  
**Analysis Batch: 680776**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 677559**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.49	8.581		1.27	1.00	0.588	pCi/L	101	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.0		30 - 110
Y Carrier	80.4		30 - 110

**Lab Sample ID: MB 160-677857/1-A**  
**Matrix: Water**  
**Analysis Batch: 680956**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 677857**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.580	U	0.353	0.354	1.00	0.580	pCi/L	09/03/24 08:42	09/25/24 11:50	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110	09/03/24 08:42	09/25/24 11:50	1
Y Carrier	84.1		30 - 110	09/03/24 08:42	09/25/24 11:50	1

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# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

**Lab Sample ID: LCS 160-677857/2-A**  
**Matrix: Water**  
**Analysis Batch: 680956**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 677857**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
									75	125
Radium-228	8.48	8.555		1.33	1.00	0.740	pCi/L	101	75	125
<b>LCS LCS</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	72.9		30 - 110							
Y Carrier	79.6		30 - 110							

**Lab Sample ID: MB 160-678274/1-A**  
**Matrix: Water**  
**Analysis Batch: 681031**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 678274**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>MB MB</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>	
Ba Carrier	93.1		30 - 110				09/05/24 08:46	09/26/24 11:34	1	
Y Carrier	81.9		30 - 110				09/05/24 08:46	09/26/24 11:34	1	

**Lab Sample ID: LCS 160-678274/2-A**  
**Matrix: Water**  
**Analysis Batch: 681031**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 678274**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
									75	125
Radium-228	8.48	10.00		1.36	1.00	0.558	pCi/L	118	75	125
<b>LCS LCS</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	91.1		30 - 110							
Y Carrier	80.4		30 - 110							

**Lab Sample ID: MB 160-678480/1-A**  
**Matrix: Water**  
**Analysis Batch: 681021**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 678480**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>MB MB</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>	
Ba Carrier	97.5		30 - 110				09/06/24 08:28	09/26/24 13:48	1	
Y Carrier	75.5		30 - 110				09/06/24 08:28	09/26/24 13:48	1	

# QC Sample Results

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

**Lab Sample ID: LCS 160-678480/2-A**  
**Matrix: Water**  
**Analysis Batch: 681021**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 678480**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	8.48	9.978		1.37	1.00	0.600	pCi/L	118	75 - 125	
<b>Carrier</b>	<b>%Yield</b>	<b>LCS Qualifier</b>	<b>Limits</b>							
Ba Carrier	90.4		30 - 110							
Y Carrier	78.1		30 - 110							

**Lab Sample ID: MB 160-678692/1-A**  
**Matrix: Water**  
**Analysis Batch: 680331**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 678692**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Carrier</b>	<b>%Yield</b>	<b>MB Qualifier</b>	<b>Limits</b>							
Ba Carrier	87.2		30 - 110							
Y Carrier	83.4		30 - 110							
								<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
								09/09/24 09:36	09/20/24 12:05	1
								09/09/24 09:36	09/20/24 12:05	1

**Lab Sample ID: LCS 160-678692/2-A**  
**Matrix: Water**  
**Analysis Batch: 680331**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 678692**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	8.50	7.989		1.13	1.00	0.487	pCi/L	94	75 - 125	
<b>Carrier</b>	<b>%Yield</b>	<b>LCS Qualifier</b>	<b>Limits</b>							
Ba Carrier	99.5		30 - 110							
Y Carrier	83.7		30 - 110							

**Lab Sample ID: 500-255604-22 DU**  
**Matrix: Water**  
**Analysis Batch: 680331**

**Client Sample ID: T11S**  
**Prep Type: Total/NA**  
**Prep Batch: 678692**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.972		<0.581	U	0.380	1.00	0.581	pCi/L	0.57	1
<b>Carrier</b>	<b>%Yield</b>	<b>DU Qualifier</b>	<b>Limits</b>							
Ba Carrier	89.2		30 - 110							
Y Carrier	73.6		30 - 110							








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**Chain of Custody Record**

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<b>Client Information</b>		Sampler: <i>Noe L</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No. 500-127868-50642 1											
Client Contact: James Thorne		Phone		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin		Page 1 of 3											
Company: Midwest Generation EME LLC		PWSID:		<b>Analysis Requested</b>						Job #: <i>500-255604</i>									
Address: 1800 Channahon Road		Due Date Requested		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>903.0 - Standard Target List</td> <td>Ra228Ra228_GFFC - Local Method</td> <td>904.0 - Standard Target List</td> <td>6020A, 7470A</td> <td>2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E</td> </tr> </table>						Field Filtered Sample (Yes or No)	903.0 - Standard Target List	Ra228Ra228_GFFC - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E	Preservation Codes: D HNO3 N None		 500-255604 COC	
Field Filtered Sample (Yes or No)	903.0 - Standard Target List	Ra228Ra228_GFFC - Local Method	904.0 - Standard Target List							6020A, 7470A	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E								
City: Joliet		TAT Requested (days)								Other:									
State Zip: IL, 60436		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No								Special Instructions/Note:									
Phone		PO #: 4502153835																	
Email: james.thorne@nrg.com		WO #:																	
Project Name: Joliet #9 CCR		Project #: 50011504																	
Site: Illinois		SSOW#:																	
<b>Sample Identification</b>		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air)											
						Preservation Code:		Total Number of Containers											
<i>R086</i>		<i>08/23/24</i>		<i>1133</i>				<i>5</i>											
<i>G205</i>																			
<i>R326</i>																			
<i>G446</i>																			
<i>G455</i>																			
<i>G465</i>																			
<i>G476</i>																			
<i>G486</i>																			
<i>F036</i>																			
<i>G006</i>																			
<i>BUP</i>																			
<b>Possible Hazard Identification</b>					<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>														
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: <i>08/23/24 1545</i>		Company: <i>EETA</i>		Received by: <i>Stephanie Hemondy</i>		Date/Time: <i>08/23/24 1545</i>		Company: <i>EETA</i>									
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:									
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>3.9 → 3.8</i> <i>489t</i>															



# Chain of Custody Record

<b>Client Information</b>		Sampler Noe Lopez / <i>Jose</i>	Lab PM Mockler Diana J	Carrier Tracking No(s)	COC No 500-94754-41977 1									
Client Contact Kaelyn Sperle		Phone	E-Mail Diana.Mockler@et.eurofinsus.com	State of Origin	Page Page 1									
Company Midwest Generation			PWSID	<b>Analysis Requested</b>										
Address Midwest Generation		Due Date Requested	Job # <b>500-255604</b>		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)									
City Joliet		TAT Requested (days)												
State Zip IL, 60436		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No												
Phone 500-255604 COC		PO #												
Email		WO #												
Project Name Joliet #9 CCR		Project # 50011504	Total Number of containers		Special Instructions/Note.									
Site Illinois		SSOW#	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 - Rad 226	Ra226Ra228 - Combined	904.0 - Rad 228	6010C - Metals (14 elements), 7470A - Mercury	2540C - TDS, 4500FC - Fluoride	SM4500ClE - Chloride, SM4500SO4E - Sulfate	Total Number of containers	Special Instructions/Note.
<i>2</i> <i>3</i> <i>4</i>														
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested I, II, III, IV Other (specify)					Special Instructions/QC Requirements									
Empty Kit Relinquished by		Date	Time	Method of Shipment:										
Relinquished by <i>[Signature]</i>		Date/Time 08/26/24 1425	Company ETA	Received by <i>[Signature]</i>		Date/Time 8/26/24 1425	Company ETA							
Relinquished by		Date/Time	Company	Received by		Date/Time	Company							
Relinquished by		Date/Time	Company	Received by		Date/Time	Company							
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks 3.9 - 3.6												

*2/19/24*

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**Chain of Custody Record**

<b>Client Information</b>		Sampler <i>Noe L, Jose</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-127868-50642 2											
Client Contact James Thorne		Phone		E-Mail Diana.Mockler@et.eurofinsus.com		State of Origin		Page Page 2 of 3											
Company Midwest Generation EME LLC		PWSID		<b>Analysis Requested</b>						Job # <i>500-255604</i>									
Address 1800 Channahon Road		Due Date Requested		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>903.0 - Standard Target List</td> <td>Ra226Ra228_GFFC - Local Method</td> <td>904.0 - Standard Target List</td> <td>6020A, 7470A</td> <td>2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E</td> </tr> </table>						Field Filtered Sample (Yes or No)	903.0 - Standard Target List	Ra226Ra228_GFFC - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Preservation Codes D HNO3 N None		Other:	
Field Filtered Sample (Yes or No)	903.0 - Standard Target List	Ra226Ra228_GFFC - Local Method	904.0 - Standard Target List							6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E								
City Joliet		TAT Requested (days)								Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No		Special Instructions/Note:							
State Zip IL, 60436		PO # 4502153835								WO #									
Phone 500-255604 COC		Project # 50011504								SSOW#									
Email james.thorne@nrg.com		Site Illinois																	
<b>Sample Identification</b>		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Total Number of Containers									
						Preservation Code:		D D D D N											
<i>5067</i> G318		<i>RO85</i> 08/27/24		<i>0940</i>		Water				5									
G335		08/27/24		1044		Water				5									
T015		08/27/24		1214		Water				5									
T025						Water													
T048						Water													
T055						Water													
T065						Water													
T085						Water													
T098						Water													
T125						Water													
T138						Water													
<b>Possible Hazard Identification</b>						<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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 <i>[Signature]</i>				Date/Time 08/27/24 1325		Company EETA		Received by <i>[Signature]</i>		Date/Time 8/27/24 1325		Company EETA							
Relinquished by				Date/Time		Company		Received by		Date/Time		Company							
Relinquished by				Date/Time		Company		Received by		Date/Time		Company							
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks <i>2.1-2.0</i>															



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**Chain of Custody Record**

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<b>Client Information</b>		Sampler: <i>Noe L.</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-127868-50642 1	
Client Contact: James Thorne		Phone		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin.		Page 1 of 3	
Company: Midwest Generation EME LLC				PWSID:		<b>Analysis Requested</b>			
Address: 1800 Channahon Road		Due Date Requested		TAT Requested (days)		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No		Job #: <i>500-255604</i>	
City: Joliet		PO #: 4502153835		WO #:		Project #: 50011504		Preservation Codes: D HNO3 N None	
State Zip: IL, 60436		Project Name: Joliet #9 CCR		SSOW#:		Site: Illinois		Other:	
Phone: 500-255604 COC		Email: james.thorne@nrg.com		Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filled Sample (Yes or No)		903.0 - Standard Target List		Ra226/Ra228_GFPFC - Local Method		904.0 - Standard Target List	
6020A, 7470A		2540C, 4500_F_C, SM4500_Cl_E, SM4500_S04_E		Total Number of Containers		Special Instructions/Note:			
<b>Sample Identification</b>		Preservation Code:		D		D		D	
<i>12</i> R085 <i>G44S</i>		08/29/24 0956		Water		/		/	
<i>13</i> G208 <i>DUP of G44S</i>		08/29/24 0956		Water		/		/	
<i>14</i> R325 <i>R32S</i>		08/29/24 1209		Water		/		/	
<i>15</i> G44S <i>G45S</i>		08/29/24 1316		Water		/		/	
G45S				Water					
G46S				Water					
G47S				Water					
G48S				Water					
T03S				Water					
G30S				Water					
DUP				Water					
<b>Possible Hazard Identification</b>					<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 08/29/24 1435		Company: EETA		Received by: <i>[Signature]</i>		Date/Time: 8/29/24 1435	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		<i>39 → 38</i>			



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**Chain of Custody Record**

<b>Client Information</b>		Sampler: <i>Noe L., Jose</i>		Lab PM: Mockler Diana J		Carrier Tracking No(s):		COC No. 500-127868-50642 3																																										
Client Contact: James Thorne		Phone:		E-Mail: Diana Mockler@et eurofinsus.com		State of Origin:		Page: Page 3 of 3																																										
Company: Midwest Generation EME LLC			PWSID:		<b>Analysis Requested</b>					Job #: <i>500-255604</i>																																								
Address: 1800 Channahon Road		Due Date Requested:		<table border="1"> <tr> <td colspan="2">Field Filtered Sample (Yes or No)</td> <td colspan="2">903.0 - Standard Target List</td> <td colspan="2">904.0 - Standard Target List</td> <td colspan="2">Total Number of Containers</td> </tr> <tr> <td colspan="2">Perform (S) (S) (S) (S) (S)</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">903.0 - Standard Target List</td> <td colspan="2">904.0 - Standard Target List</td> <td colspan="2">904.0 - Standard Target List</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Ra226Ra228_GFPIC - Local Method</td> <td colspan="2">6020A, 7470A</td> <td colspan="2">2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">904.0 - Standard Target List</td> <td colspan="2">6020A, 7470A</td> <td colspan="2">2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E</td> <td colspan="2"></td> </tr> </table>					Field Filtered Sample (Yes or No)		903.0 - Standard Target List		904.0 - Standard Target List		Total Number of Containers		Perform (S) (S) (S) (S) (S)								903.0 - Standard Target List		904.0 - Standard Target List		904.0 - Standard Target List				Ra226Ra228_GFPIC - Local Method		6020A, 7470A		2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E				904.0 - Standard Target List		6020A, 7470A		2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E				Preservation Codes: D HNO3, N None	
Field Filtered Sample (Yes or No)		903.0 - Standard Target List							904.0 - Standard Target List		Total Number of Containers																																							
Perform (S) (S) (S) (S) (S)																																																		
903.0 - Standard Target List		904.0 - Standard Target List							904.0 - Standard Target List																																									
Ra226Ra228_GFPIC - Local Method		6020A, 7470A							2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E																																									
904.0 - Standard Target List		6020A, 7470A		2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E																																														
City: Joliet		TAT Requested (days):		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Project #:		SSOW#:																																										
State Zip: IL, 60436		PO #: 4502153835		WO #:		Project #:		SSOW#:																																										
Phone:		Project #:		SSOW#:		Project #:		SSOW#:																																										
Email: james.thorne@nrg.com		500-255604 COC		Project #:		SSOW#:		SSOW#:																																										
Project Name: Joliet #9 CCR		Site: Illinois		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)																																								
<b>Sample Identification</b>		<b>Sample Date</b>		<b>Sample Time</b>		<b>Sample Type (C=comp, G=grab)</b>		<b>Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)</b>		<b>Special Instructions/Note</b>																																								
8 <del>715</del> <i>G485</i>		<i>08/28/24</i>		<i>1001</i>		<i>Water</i>																																												
9 <del>6985</del> <i>G475</i>		<i>08/28/24</i>		<i>1122</i>		<i>Water</i>																																												
10 <i>T135</i>		<i>08/28/24</i>		<i>1225</i>																																														
11 <i>T125</i>		<i>08/28/24</i>		<i>1350</i>																																														
<b>Possible Hazard Identification</b>		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b> <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		<b>Deliverable Requested</b> I, II, III, IV, Other (specify)		<b>Special Instructions/QC Requirements</b>																																										
Empty Kit Relinquished by		Date		Time		Method of Shipment:																																												
Relinquished by: <i>[Signature]</i>		Date/Time: <i>08/28/24 1455</i>		Company: <i>EETA</i>		Received by: <i>[Signature]</i>		Date/Time: <i>8/28/24 1455</i>		Company: <i>EETA</i>																																								
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																																								
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																																								
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks																																														

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### Chain of Custody Record

<b>Client Information</b>		Sampler Noe Lopez / <i>Jose</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-94754-41977 1				
Client Contact Kaelyn Sperle		Phone		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin:		Page Page 1				
Company Midwest Generation		PWSID		Analysis Requested		Job # <i>500-255604</i>		Preservation Codes				
Address Midwest Generation City: Joliet State Zip: IL, 60436 Phone: 500-255604 COC Email:		Due Date Requested: TAT Requested (days): Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: WO #:				Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Rad 226 Ra226Ra228 - Combined 904.0 - Rad 228 6010C - Metals (14 elements), 7470A - Mercury 2540C - TDS, 4500FC - Fluoride SM4500ClE - Chloride, SM4500SO4E - Sulfate		Total Number of containers		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:		
Project Name Joliet #9 CCR		Project # 50011504		Special Instructions/Note.								
Site: Illinois		SSOW#:										
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=Comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers	Special Instructions/Note.	
				Preservation Code		D	D	D	D	N		
<i>16</i>		<i>T095</i>	<i>09/03/24</i>	<i>1043</i>	Water		/	/	/	/	/	5
<i>17</i>		<i>T065</i>	<i>09/03/24</i>	<i>1157</i>	Water		/	/	/	/	/	5
<i>18</i>		<i>T055</i>	<i>09/03/24</i>	<i>1332</i>	Water		/	/	/	/	/	5
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**Eurofins Chicago**

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

**Chain of Custody Record**

eurofins | Environment Testing



<b>Client Information</b>		Sampler: <i>Noe L, Jose</i>		Lab PM: Mockler, Diana J		COC No: 500-127868-50642 2					
Client Contact: James Thorne		Phone		E-Mail: Diana Mockler@et.eurofinsus.com		Page: Page 2 of 3					
Company: Midwest Generation EME LLC		PWSID:		Analysis Requi		500-255604 COC					
Address: 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No)		Job #: <i>500-255604</i>					
City: Joliet		TAT Requested (days)		903.0 - Standard Target List		Preservation Codes: D HNO3 N None					
State Zip: IL, 60436		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No		Ra226Ra228_GFFC - Local Method		Other:					
Phone		PO #: 4502153835		904.0 - Standard Target List		Total Number of containers					
Email: james.thorne@nrg.com		WO #:		6020A, 7470A		Special Instructions/Note:					
Project Name: Joliet #9 CCR		Project #: 50011504		2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E							
Site: Illinois		SSOW#:									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	903.0 - Standard Target List	904.0 - Standard Target List	2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E	Other:	Special Instructions/Note:	
<i>19</i> <del>E315</del>	<i>09/04/24</i>	<i>1041</i>		Water		/	/	/			
<i>20</i> <del>E338</del>	<i>09/04/24</i>	<i>1211</i>		Water		/	/	/			
<i>21</i> <del>F015</del>	<i>09/04/24</i>	<i>1322</i>		Water		/	/	/			
<del>F025</del>				Water							
<del>F045</del>				Water							
<del>I055</del>				Water							
<del>I085</del>				Water							
<del>F086</del>				Water							
<del>F085</del>				Water							
<del>F125</del>				Water							
<del>F135</del>				Water							
<b>Possible Hazard Identification</b>					<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: <i>09/04/2024 1430</i>		Company: <i>FEETA</i>		Received by: <i>Stephanie Hernandez</i>		Date/Time: <i>9/4/24 1430</i>		Company: <i>FEETA</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>42+4.1</i>							





**Eurofins TestAmerica, Chicago**

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

**Chain of Custody Record**

eurofins Environmental Analytical



<b>Client Information</b>		Sampler Noe Lopez / <i>Jose</i>		Lab PM Mockler, Diana J		Carr																																																																																																				
Client Contact Kaelyn Sperle		Phone		E-Mail Diana.Mockler@et.eurofinsus.com		Stat																																																																																																				
Company Midwest Generation				PWSID		500-255604 COC																																																																																																				
Address Midwest Generation		Due Date Requested		<b>Analysis Reque</b>																																																																																																						
City Joliet		TAT Requested (days)		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>903.0 - Rad 226</td> <td>Ra226Ra228 - Combined</td> <td>904.0 - Rad 228</td> <td>6010C - Metals (14 elements), 7470A - Mercury</td> <td>2540C - TDS, 4500FC - Fluoride</td> <td>SM4500ClE - Chloride, SM4500SO4E - Sulfate</td> </tr> <tr> <td>Perform MS/MSD (Yes or No)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Field Filtered Sample (Yes or No)	903.0 - Rad 226	Ra226Ra228 - Combined	904.0 - Rad 228	6010C - Metals (14 elements), 7470A - Mercury	2540C - TDS, 4500FC - Fluoride	SM4500ClE - Chloride, SM4500SO4E - Sulfate	Perform MS/MSD (Yes or No)																																																																																											
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Project Name Joliet #9 CCR		Project # 50011504		<table border="1"> <tr> <td>Total Number of containers</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Total Number of containers																																																																																																		
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Site Illinois		SSOW#		<table border="1"> <tr> <td>Preservation Codes</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>A HCL</td> <td>M Hexane</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>B NaOH</td> <td>N None</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>C Zn Acetate</td> <td>O AsNaO2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>D Nitric Acid</td> <td>P Na2O4S</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>E NaHSO4</td> <td>Q Na2SO3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>F MeOH</td> <td>R Na2S2O3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>G Amchlor</td> <td>S H2SO4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>H Ascorbic Acid</td> <td>T TSP Dodecahydrate</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>I Ice</td> <td>U Acetone</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>J DI Water</td> <td>V MCAA</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>K EDTA</td> <td>W pH 4-5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>L EDA</td> <td>Z other (specify)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">Other:</td> <td colspan="2"></td> <td colspan="4"></td> </tr> </table>				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:							
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# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Lab PM Mockler, Diana J	Carrier Tracking No(s) 500-192024-1
Client Contact University Park, IL 60484 Phone: 708-534-5200 Fax: 708-534-5211		E-Mail Diana.Mockler@et.eurofins.com	Page Page 1 of 1
Shipping/Receiving		State of Origin Illinois	Job # 500-255604-1
Company TestAmerica Laboratories, Inc.		Preservation Codes: NELAP - Illinois	
Address 13715 Rider Trail North,		Analysis Requested	
City Earth City		Total Number of containers	
State, Zip MO, 63045		3	
Phone 314-298-8566(Tel) 314-298-8757(Fax)		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Email		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Project Name Joliet #9 (Quarry) CCR		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Site NRG Midwest Generation LSQ Joliet #9 CCR		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Due Date Requested: 9/16/2024		Special Instructions/Note:	
TAT Requested (days):		3	
PO #		3	
WO #		3	
Project # 50011504		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
SSOW#		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Sample Date		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Sample Time		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Sample Type (C=Comp, G=grab)		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Matrix (W=water, S=solid, O=water/Oil, BT=tissue, AA=)		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Preservation Code:		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
09:40 Central		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
8/27/24		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
10:44 Central		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
8/27/24		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
12:14 Central		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
8/27/24		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Field Filtered Sample (Yes or No)		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Perform MS/MSD (Yes or No)		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
903.0/PreSep_21 Standard Target List		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
904.0/PreSep_0 Standard Target List		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Raz26Ra228_GFPc		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	

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

**Possible Hazard Identification**  
 Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact: \_\_\_\_\_ (Custody Seal No. \_\_\_\_\_)  
 Δ Yes Δ No

Cooler: Temperature(s) °C and Other Remarks



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

# Chain of Custody Record



Environment Testing



Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	
Client Contact Shipping/Receiving		Phone	Mockler, Diana J	500-192055-1	
Company TestAmerica Laboratories, Inc.		E-Mail Diana.Mockler@et.eurofins.com		Page 1 of 1	
Address 13715 Rider Trail North,		Accreditations Required (See note) NELAP - Illinois			
City Earth City		Preservation Codes: 500-255604-1			
State, Zip MO, 63045					
Phone 314-298-8566(Tel) 314-298-8757(Fax)					
Email					
Project Name Joliet #9 (Quarry) CCR					
Site NFG Midwest Generation LSQ Joliet #9 CCR					

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other Oil)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:
G48S (500-255604-8)	8/28/24	10:01 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
G47S (500-255604-9)	8/28/24	11:22 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
T13S (500-255604-10)	8/28/24	12:25 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
T12S (500-255604-11)	8/28/24	13:50 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.

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

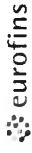
**Possible Hazard Identification**  
 Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2  
 Empty Kit Relinquished by \_\_\_\_\_ Date: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_  
 Relinquished by *Alvin Scott* Date/Time: 8/28/24 1600 Received by *M. Pinette* Date/Time: AUG 29 2024 0900  
 Relinquished by \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_  
 Δ Yes Δ No Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements: \_\_\_\_\_





# Chain of Custody Record



Environment Testing



<b>Client Information (Sub Contract Lab)</b>		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-192192.1																												
Client Contact Shipping/Receiving		E-Mail Diana.Mockler@eurofins.com	Page: Page 1 of 1																												
Company TestAmerica Laboratories, Inc.		Accreditations Required (See note) NELAP - Illinois	Job #: 500-255604-1																												
Address 13715 Rider Trail North,		Preservation Codes:																													
City Earth City		<table border="1"> <thead> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>903.0/PreSep_21 Standard Target List</th> <th>904.0/PreSep_0 Standard Target List</th> <th>R226Ra228_GFP</th> <th>Total Number of Containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> </tbody> </table>		Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	R226Ra228_GFP	Total Number of Containers	Special Instructions/Note:	X	X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	X	X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	X	X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)			903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	R226Ra228_GFP	Total Number of Containers	Special Instructions/Note:																							
X	X			X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																							
X	X			X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																							
X	X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																									
State, Zip MO, 63045		Other:																													
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #:																													
Email		WO #:																													
Project Name: Joliet #9 (Quarry) CCR		Project #: 50011504																													
Site NRG Midwest Generation LSQ Joliet #9 CCR		SSON#:																													
<b>Sample Identification - Client ID (Lab ID)</b>		<b>Preservation Code:</b>																													
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=Air)																												
9/3/24	10:43 Central	G	Water																												
9/3/24	11:57 Central	G	Water																												
9/3/24	13:32 Central	G	Water																												
<p>Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.</p>																															
<b>Possible Hazard Identification</b>																															
Unconfirmed																															
Deliverable Requested: I, II, III, IV, Other (specify) _____																															
Primary Deliverable Rank: 2		Special Instructions/QC Requirements:																													
Empty Kit Relinquished by:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																													
Relinquished by: <i>Alie Aerts</i>		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																													
Relinquished by: <i>Alie Aerts</i>		Date/Time: 9/3/24 1540																													
Relinquished by:		Date/Time: 9/3/24 0920																													
Relinquished by:		Date/Time: _____																													
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:																													
Cooler Temperature(s) °C and Other Remarks:		Company: <i>Enviro</i>																													







# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

**Login Number: 255604**

**List Number: 1**

**Creator: Hernandez, Stephanie**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8,3.8,2.0,2.8,3.8,3.7,4.1,5.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

**Login Number: 255604**

**List Number: 2**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 08/27/24 01:02 PM**

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



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

**Login Number: 255604**

**List Number: 3**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 08/28/24 12:54 PM**

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



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

**Login Number: 255604**

**List Number: 4**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 08/29/24 01:09 PM**

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



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

**Login Number: 255604**

**List Number: 5**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 08/30/24 01:01 PM**

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



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

**Login Number: 255604**

**List Number: 6**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

**List Creation: 09/04/24 11:45 AM**

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



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

**Login Number: 255604**

**List Number: 7**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

**List Creation: 09/05/24 11:42 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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

**Login Number: 255604**

**List Number: 8**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

**List Creation: 09/06/24 10:44 AM**

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



# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

**Client Sample ID: G20S**

**Lab Sample ID: 500-255604-1**

**Date Collected: 08/23/24 11:33**

**Matrix: Water**

**Date Received: 08/23/24 15:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680777	SWS	EET SL	09/24/24 08:01
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680630	SCB	EET SL	09/23/24 13:23
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

**Client Sample ID: G33S**

**Lab Sample ID: 500-255604-2**

**Date Collected: 08/26/24 09:53**

**Matrix: Water**

**Date Received: 08/26/24 14:25**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680777	SWS	EET SL	09/24/24 08:01
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680630	SCB	EET SL	09/23/24 13:23
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

**Client Sample ID: G30S**

**Lab Sample ID: 500-255604-3**

**Date Collected: 08/26/24 11:26**

**Matrix: Water**

**Date Received: 08/26/24 14:25**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:03
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680630	SCB	EET SL	09/23/24 13:23
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

**Client Sample ID: G31S**

**Lab Sample ID: 500-255604-4**

**Date Collected: 08/26/24 13:20**

**Matrix: Water**

**Date Received: 08/26/24 14:25**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:03
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680591	SCB	EET SL	09/23/24 13:25
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44



# Lab Chronicle

Client: KPRG and Associates, Inc.  
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Client Sample ID: R08S

Date Collected: 08/27/24 09:40

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:03
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680591	SCB	EET SL	09/23/24 13:25
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

## Client Sample ID: G46S

Date Collected: 08/27/24 10:44

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:03
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680591	SCB	EET SL	09/23/24 13:25
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

## Client Sample ID: G39S

Date Collected: 08/27/24 12:14

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:05
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680591	SCB	EET SL	09/23/24 13:25
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

## Client Sample ID: G48S

Date Collected: 08/28/24 10:01

Date Received: 08/28/24 14:55

Lab Sample ID: 500-255604-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677428	MLT	EET SL	08/30/24 09:06
Total/NA	Analysis	903.0		1	680774	SWS	EET SL	09/24/24 17:11
Total/NA	Prep	PrecSep_0			677559	MLT	EET SL	08/30/24 11:46
Total/NA	Analysis	904.0		1	680653	SWS	EET SL	09/24/24 12:22
Total/NA	Analysis	Ra226_Ra228		1	681360	SCB	EET SL	09/27/24 16:45

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Client Sample ID: G47S

## Lab Sample ID: 500-255604-9

Date Collected: 08/28/24 11:22

Matrix: Water

Date Received: 08/28/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677428	MLT	EET SL	08/30/24 09:06
Total/NA	Analysis	903.0		1	680774	SWS	EET SL	09/24/24 17:11
Total/NA	Prep	PrecSep_0			677559	MLT	EET SL	08/30/24 11:46
Total/NA	Analysis	904.0		1	680653	SWS	EET SL	09/24/24 12:22
Total/NA	Analysis	Ra226_Ra228		1	681360	SCB	EET SL	09/27/24 16:45

## Client Sample ID: T13S

## Lab Sample ID: 500-255604-10

Date Collected: 08/28/24 12:25

Matrix: Water

Date Received: 08/28/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677428	MLT	EET SL	08/30/24 09:06
Total/NA	Analysis	903.0		1	680774	SWS	EET SL	09/24/24 17:11
Total/NA	Prep	PrecSep_0			677559	MLT	EET SL	08/30/24 11:46
Total/NA	Analysis	904.0		1	680653	SWS	EET SL	09/24/24 12:22
Total/NA	Analysis	Ra226_Ra228		1	681360	SCB	EET SL	09/27/24 16:45

## Client Sample ID: T12S

## Lab Sample ID: 500-255604-11

Date Collected: 08/28/24 13:50

Matrix: Water

Date Received: 08/28/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677428	MLT	EET SL	08/30/24 09:06
Total/NA	Analysis	903.0		1	680774	SWS	EET SL	09/24/24 17:11
Total/NA	Prep	PrecSep_0			677559	MLT	EET SL	08/30/24 11:46
Total/NA	Analysis	904.0		1	680653	SWS	EET SL	09/24/24 12:22
Total/NA	Analysis	Ra226_Ra228		1	681360	SCB	EET SL	09/27/24 16:45

## Client Sample ID: G44S

## Lab Sample ID: 500-255604-12

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677856	BCE	EET SL	09/03/24 08:35
Total/NA	Analysis	903.0		1	681031	FLC	EET SL	09/26/24 08:14
Total/NA	Prep	PrecSep_0			677857	BCE	EET SL	09/03/24 08:42
Total/NA	Analysis	904.0		1	680956	FLC	EET SL	09/25/24 11:51
Total/NA	Analysis	Ra226_Ra228		1	681358	SCB	EET SL	09/27/24 16:44

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Client Sample ID: G44S Dup

Date Collected: 08/29/24 09:56

Date Received: 08/29/24 14:35

## Lab Sample ID: 500-255604-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677856	BCE	EET SL	09/03/24 08:35
Total/NA	Analysis	903.0		1	681031	FLC	EET SL	09/26/24 08:14
Total/NA	Prep	PrecSep_0			677857	BCE	EET SL	09/03/24 08:42
Total/NA	Analysis	904.0		1	680955	SWS	EET SL	09/25/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	681358	SCB	EET SL	09/27/24 16:44

## Client Sample ID: R32S

Date Collected: 08/29/24 12:09

Date Received: 08/29/24 14:35

## Lab Sample ID: 500-255604-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677856	BCE	EET SL	09/03/24 08:35
Total/NA	Analysis	903.0		1	681031	FLC	EET SL	09/26/24 08:14
Total/NA	Prep	PrecSep_0			677857	BCE	EET SL	09/03/24 08:42
Total/NA	Analysis	904.0		1	680955	SWS	EET SL	09/25/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	681358	SCB	EET SL	09/27/24 16:44

## Client Sample ID: G45S

Date Collected: 08/29/24 13:16

Date Received: 08/29/24 14:35

## Lab Sample ID: 500-255604-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677856	BCE	EET SL	09/03/24 08:35
Total/NA	Analysis	903.0		1	681033	FLC	EET SL	09/26/24 08:13
Total/NA	Prep	PrecSep_0			677857	BCE	EET SL	09/03/24 08:42
Total/NA	Analysis	904.0		1	680955	SWS	EET SL	09/25/24 11:56
Total/NA	Analysis	Ra226_Ra228		1	681358	SCB	EET SL	09/27/24 16:44

## Client Sample ID: T09S

Date Collected: 09/03/24 10:43

Date Received: 09/03/24 15:08

## Lab Sample ID: 500-255604-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678273	MLT	EET SL	09/05/24 08:43
Total/NA	Analysis	903.0		1	681284	FLC	EET SL	09/27/24 14:52
Total/NA	Prep	PrecSep_0			678274	MLT	EET SL	09/05/24 08:46
Total/NA	Analysis	904.0		1	681031	FLC	EET SL	09/26/24 11:35
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Client Sample ID: T06S

## Lab Sample ID: 500-255604-17

Date Collected: 09/03/24 11:57

Matrix: Water

Date Received: 09/03/24 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678273	MLT	EET SL	09/05/24 08:43
Total/NA	Analysis	903.0		1	681284	FLC	EET SL	09/27/24 14:52
Total/NA	Prep	PrecSep_0			678274	MLT	EET SL	09/05/24 08:46
Total/NA	Analysis	904.0		1	681031	FLC	EET SL	09/26/24 11:35
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

## Client Sample ID: T05S

## Lab Sample ID: 500-255604-18

Date Collected: 09/03/24 13:32

Matrix: Water

Date Received: 09/03/24 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678273	MLT	EET SL	09/05/24 08:43
Total/NA	Analysis	903.0		1	681284	FLC	EET SL	09/27/24 18:48
Total/NA	Prep	PrecSep_0			678274	MLT	EET SL	09/05/24 08:46
Total/NA	Analysis	904.0		1	681031	FLC	EET SL	09/26/24 11:35
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

## Client Sample ID: T02S

## Lab Sample ID: 500-255604-19

Date Collected: 09/04/24 10:41

Matrix: Water

Date Received: 09/04/24 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678479	BCE	EET SL	09/06/24 08:21
Total/NA	Analysis	903.0		1	681511	SCB	EET SL	09/30/24 06:54
Total/NA	Prep	PrecSep_0			678480	BCE	EET SL	09/06/24 08:28
Total/NA	Analysis	904.0		1	681021	FLC	EET SL	09/26/24 13:48
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

## Client Sample ID: T08S

## Lab Sample ID: 500-255604-20

Date Collected: 09/04/24 12:11

Matrix: Water

Date Received: 09/04/24 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678479	BCE	EET SL	09/06/24 08:21
Total/NA	Analysis	903.0		1	681511	SCB	EET SL	09/30/24 06:55
Total/NA	Prep	PrecSep_0			678480	BCE	EET SL	09/06/24 08:28
Total/NA	Analysis	904.0		1	681021	FLC	EET SL	09/26/24 13:48
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

# Lab Chronicle

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Client Sample ID: T03S

Lab Sample ID: 500-255604-21

Date Collected: 09/04/24 13:22

Matrix: Water

Date Received: 09/04/24 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678479	BCE	EET SL	09/06/24 08:21
Total/NA	Analysis	903.0		1	681511	SCB	EET SL	09/30/24 06:55
Total/NA	Prep	PrecSep_0			678480	BCE	EET SL	09/06/24 08:28
Total/NA	Analysis	904.0		1	681021	FLC	EET SL	09/26/24 13:50
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	10/01/24 14:08

## Client Sample ID: T11S

Lab Sample ID: 500-255604-22

Date Collected: 09/05/24 10:02

Matrix: Water

Date Received: 09/05/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678651	BCE	EET SL	09/09/24 09:30
Total/NA	Analysis	903.0		1	681677	SWS	EET SL	10/01/24 07:37
Total/NA	Prep	PrecSep_0			678692	BCE	EET SL	09/09/24 09:36
Total/NA	Analysis	904.0		1	680331	FLC	EET SL	09/20/24 12:06
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	10/01/24 14:08

## Client Sample ID: T01S

Lab Sample ID: 500-255604-23

Date Collected: 09/05/24 11:24

Matrix: Water

Date Received: 09/05/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678651	BCE	EET SL	09/09/24 09:30
Total/NA	Analysis	903.0		1	681677	SWS	EET SL	10/01/24 07:37
Total/NA	Prep	PrecSep_0			678692	BCE	EET SL	09/09/24 09:36
Total/NA	Analysis	904.0		1	680331	FLC	EET SL	09/20/24 12:06
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	10/01/24 14:08

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

## Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	12-31-24
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24 *
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-24

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Tracer/Carrier Summary

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-255604-1	G20S	85.2	
500-255604-2	G33S	92.1	
500-255604-3	G30S	87.7	
500-255604-4	G31S	84.7	
500-255604-5	R08S	89.7	
500-255604-6	G46S	82.0	
500-255604-7	G39S	89.9	
500-255604-8	G48S	87.4	
500-255604-9	G47S	95.8	
500-255604-10	T13S	92.1	
500-255604-11	T12S	95.6	
500-255604-12	G44S	98.0	
500-255604-13	G44S Dup	91.4	
500-255604-14	R32S	90.6	
500-255604-15	G45S	88.9	
500-255604-16	T09S	92.4	
500-255604-17	T06S	95.3	
500-255604-18	T05S	85.2	
500-255604-19	T02S	89.4	
500-255604-20	T08S	78.6	
500-255604-21	T03S	90.4	
500-255604-22	T11S	81.3	
500-255604-22 DU	T11S	89.2	
500-255604-23	T01S	79.6	
LCS 160-677338/2-A	Lab Control Sample	96.8	
LCS 160-677428/2-A	Lab Control Sample	86.0	
LCS 160-677856/2-A	Lab Control Sample	72.9	
LCS 160-678273/2-A	Lab Control Sample	91.1	
LCS 160-678479/2-A	Lab Control Sample	90.4	
LCS 160-678651/2-A	Lab Control Sample	99.5	
MB 160-677338/1-A	Method Blank	91.4	
MB 160-677428/1-A	Method Blank	98.5	
MB 160-677856/1-A	Method Blank	82.3	
MB 160-678273/1-A	Method Blank	93.1	
MB 160-678479/1-A	Method Blank	97.5	
MB 160-678651/1-A	Method Blank	87.2	

**Tracer/Carrier Legend**

Ba = Ba Carrier

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-255604-1	G20S	85.2	76.6
500-255604-2	G33S	92.1	77.8
500-255604-3	G30S	87.7	77.4
500-255604-4	G31S	84.7	72.5

# Tracer/Carrier Summary

Client: KPRG and Associates, Inc.  
 Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

**Matrix: Water**

**Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-255604-5	R08S	89.7	75.9
500-255604-6	G46S	82.0	75.1
500-255604-7	G39S	89.9	79.3
500-255604-8	G48S	87.4	79.6
500-255604-9	G47S	95.8	78.9
500-255604-10	T13S	92.1	77.0
500-255604-11	T12S	95.6	77.4
500-255604-12	G44S	98.0	82.2
500-255604-13	G44S Dup	91.4	79.3
500-255604-14	R32S	90.6	78.5
500-255604-15	G45S	88.9	75.9
500-255604-16	T09S	92.4	75.9
500-255604-17	T06S	95.3	73.6
500-255604-18	T05S	85.2	77.4
500-255604-19	T02S	89.4	74.0
500-255604-20	T08S	78.6	77.4
500-255604-21	T03S	90.4	78.5
500-255604-22	T11S	81.3	73.6
500-255604-22 DU	T11S	89.2	73.6
500-255604-23	T01S	79.6	76.3
LCS 160-677339/2-A	Lab Control Sample	96.8	80.0
LCS 160-677559/2-A	Lab Control Sample	86.0	80.4
LCS 160-677857/2-A	Lab Control Sample	72.9	79.6
LCS 160-678274/2-A	Lab Control Sample	91.1	80.4
LCS 160-678480/2-A	Lab Control Sample	90.4	78.1
LCS 160-678692/2-A	Lab Control Sample	99.5	83.7
MB 160-677339/1-A	Method Blank	91.4	80.7
MB 160-677559/1-A	Method Blank	98.5	78.1
MB 160-677857/1-A	Method Blank	82.3	84.1
MB 160-678274/1-A	Method Blank	93.1	81.9
MB 160-678480/1-A	Method Blank	97.5	75.5
MB 160-678692/1-A	Method Blank	87.2	83.4

**Tracer/Carrier Legend**

Ba = Ba Carrier

Y = Y Carrier