

DATA SUMMARY POSTING

Station: Midwest Generation Joliet #9 Generating Station

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

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 2nd quarter 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, Jordan, IL

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium		
GHS up gradient	11/20/2013	0.81	120	180	0.35	7.50	360	810	< 0.003	0.0081	0.044	^c < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.0002	0.0120	1.76	< 0.0025	< 0.002		
	11/21/2013	0.81	110	140	0.34	7.50	360	810	< 0.003	0.0081	0.044	^c < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.056	< 0.0002	0.0120	1.76	< 0.0025	< 0.002		
	6/30/2016	0.48	87	110	0.34	7.50	470	940	< 0.003	0.0075	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.034	< 0.0002	0.0086	1.81	< 0.0025	< 0.002		
	8/25/2016	0.47	94	100	0.35	7.28	470	940	< 0.003	0.0076	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.031	< 0.0002	0.0086	1.81	< 0.0025	< 0.002		
	11/16/2016	0.47	94	100	0.35	7.28	470	940	< 0.003	0.0076	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.031	< 0.0002	0.0086	1.81	< 0.0025	< 0.002		
	2/14/2017	0.43	97	97	0.32	7.58	460	920	< 0.003	0.0093	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.0083	1.85	< 0.0025	< 0.002		
	5/23/2017	0.36	85	110	0.35	7.20	460	920	< 0.003	0.0082	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.0093	1.40	< 0.0025	< 0.002		
	7/28/2017	0.37	85	120	0.34	7.20	460	920	< 0.003	0.0086	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.027	< 0.0002	0.0093	1.40	< 0.0025	< 0.002		
	9/26/2017	0.43	110	130	0.3	7.21	460	920	< 0.003	0.0096	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.0079	2.14	< 0.0025	< 0.002		
	11/21/2017	0.34	96	130	0.33	7.28	480	960	< 0.003	0.0094	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0077	2.45	< 0.0025	< 0.002		
	1/9/2018	0.38	97	140	0.36	7.18	480	960	< 0.003	0.0093	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0078	2.45	< 0.0025	< 0.002		
	5/31/2018	0.36	110	130	0.33	7.00	470	940	< 0.003	0.0097	0.047	NA	NA	NA	NA	NA	NA	NA	0.013	NA	< 0.0025	NA		
	12/7/2018	0.46	91	120	0.33	7.02	480	960	< 0.003	0.0094	0.04	NA	NA	NA	NA	NA	NA	NA	0.010	1.90	< 0.0025	NA		
	6/28/2019	0.39	99	130	0.33	7.51	480	960	< 0.003	0.0090	0.039	NA	NA	NA	NA	NA	NA	NA	0.0097	1.99	< 0.0025	NA		
	11/14/2019	0.48	110	130	0.33	7.33	470	940	< 0.003	0.0094	0.042	NA	NA	NA	NA	NA	NA	NA	0.0099	3.89	< 0.0025	NA		
	6/26/2020	0.62	130	220	0.33	7.21	340	680	NA	0.011	0.049	NA	NA	NA	NA	NA	NA	NA	< 0.001	< 0.0005	0.039	NA	< 0.0025	NA
	12/11/2020	0.70	120	180	0.38	7.26	290	580	NA	0.011	0.042	NA	NA	NA	NA	NA	NA	NA	< 0.001	< 0.0005	0.038	NA	< 0.0025	NA
	6/28/2021	0.44	91	110	0.35	7.28	480	960	< 0.003	0.0094	0.04	NA	NA	NA	NA	NA	NA	NA	< 0.001	< 0.0005	0.034	NA	< 0.0025	NA
	9/23/2021	0.39	85	110	0.35	7.43	440	880	< 0.003	0.01	0.36	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.030	< 0.0002	0.0076	2.77	< 0.0025	< 0.002		
	12/16/2021	0.44	84	80	0.36	7.35	430	860	< 0.003	0.0092	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0073	1.74	< 0.0025	< 0.002		
3/16/2022	0.5	130	86	0.36	7.35	430	860	< 0.003	0.0018	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.025	< 0.0002	0.0092	2.92	< 0.0025	< 0.002			
6/10/2022	0.34	84	100	0.35	7.28	430	860	< 0.003	0.0082	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0077	2.17	< 0.0025	< 0.002			
9/26/2022	0.48	97	150	0.35	7.14	480	960	< 0.003	0.0086	0.042	^c < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.029	< 0.0002	0.011	2.63	< 0.0025	< 0.002			
12/31/2022	0.39	110	100	0.32	7.06	480	960	< 0.003	0.0095	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.0099	3.91	< 0.0025	< 0.002			
3/23/2023	0.44	91	130	0.35	7.30	460	920	< 0.003	0.0096	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.031	< 0.0002	0.011	2.28	< 0.0025	< 0.002			
6/16/2023	0.44	89	120	0.36	7.21	460	920	< 0.003	0.0094	0.038	NA	NA	NA	NA	NA	NA	NA	< 0.0005	0.012	1.88	< 0.0025	< 0.002		
9/14/2023	0.46	67	120	0.36	7.35	FI 120	600	< 0.0020	0.0019	0.033	< 0.0005	< 0.0005	< 0.0050	< 0.0050	< 0.0005	< 0.0005	0.026	< 0.00020	0.013	1.95	< 0.0050	< 0.0010		
12/30/2023	0.50	81	130	0.35	7.48	460	920	^c < 0.0010	0.010	0.036	^c < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.0050	0.028	< 0.00020	0.012	2.16	< 0.0025	< 0.0020			
3/12/2024	0.39	84	110	0.36	7.49	460	920	^c < 0.0010	0.007	0.035	^c < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.0050	0.028	< 0.00020	0.013	2.46	< 0.0025	< 0.0020			
6/12/2024	0.39	84	110	0.36	7.35	460	920	^c < 0.0010	0.009	0.033	^c < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.0050	0.028	< 0.00020	0.013	2.76	< 0.0025	< 0.0020			
11/19/2013	0.5	110	75	0.22	7.07	250	500	< 0.003	0.0019	0.063	^c < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.0260	1.01	< 0.0025	< 0.002			
1/5/2016	0.81	100	100	0.21	7.07	250	500	< 0.003	0.0019	0.063	^c < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.0260	1.01	< 0.0025	< 0.002			
6/28/2016	0.98	100	80	0.24	7.19	280	560	< 0.003	0.0011	0.088	NA	NA	NA	NA	NA	NA	NA	< 0.0005	0.013	1.81	< 0.0025	< 0.002		
8/25/2016	1.1	110	99	0.20	7.32	180	360	< 0.003	0.001	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.043	1.54	< 0.0025	< 0.002			
11/17/2016	1.3	120	100	0.19	7.14	190	380	< 0.003	0.0012	0.087	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.14	1.64	< 0.0025	< 0.002			
1/11/2017	1.4	110	110	0.26	7.36	230	460	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.12	0.98	< 0.0025	< 0.002			
5/23/2017	1.4	110	78	0.23	7.25	240	480	< 0.003	0.0017	B 0.088	^c < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.13	1.21	< 0.0025	< 0.002			
7/27/2017	1.1	110	FI 71	0.21	7.32	180	360	< 0.003	0.001	0.078	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.099	1.11	< 0.0025	< 0.002			
9/26/2017	1.3	110	80	0.21	7.19	240	480	< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.14	1.33	< 0.0025	< 0.002			
11/30/2017	1.7	98	90	0.24	7.13	230	460	< 0.003	0.0014	0.087	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.02	< 0.0002	0.20	1.59	< 0.0025	< 0.002			
1/7/2018	1.5	110	110	0.23	7.34	290	580	< 0.003	0.0023	0.093	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.26	1.90	< 0.0025	< 0.002			
3/17/2018	1.4	100	100	0.24	7.07	210	420	< 0.003	0.001	0.087	NA	NA	NA	NA	NA	NA	NA	0.017	1.20	< 0.0025	< 0.002			
12/11/2018	1.8	100	140	0.23	6.96	160	320	< 0.003	0.0014	0.095	NA	NA	NA	NA	NA	NA	NA	0.012	NA	< 0.0025	NA			
8/24/2019	2.1	100	80	0.27	7.17	200	400	NA	0.0020	0.090	NA	NA	NA	NA	NA	NA	NA	< 0.0010	0.077	NA	< 0.0025	NA		
10/28/2019	1.5	100	73	0.25	7.19	230	460	NA	0.0020	0.088	NA	NA	NA	NA	NA	NA	NA	< 0.0010	0.028	1.38	< 0.0025	NA		
6/23/2020	2.3	97	74	0.33	7.29	240	480	NA	0.0024	0.093	NA	NA	NA	NA	NA	NA	NA	< 0.0010	0.023	1.65	< 0.0025	NA		
12/15/2020	1.4	140	FI 170	0.27	7.01	260	520	NA	0.0013	0.11	NA													

Table 1. Groundwater Analytical Results - Main Generation, LLC, Inlet Station #9, Jolo, IL

Well	Date	Bore	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
B25 down- gradient	11/18/2013	1.3	99	88	0.28	7.25	210	860	< 0.003	0.018	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.005	0.04	< 0.0002	0.16	0.28	< 0.0025	< 0.002	
	5/5/2016	1.9	100	140	0.32	7.38	210	810	< 0.003	0.0034	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.005	0.09	< 0.0002	0.29	0.25	< 0.0025	< 0.002	
	6/29/2016	3.5	110	110	0.35	7.51	280	860	< 0.003	0.0021	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.065	< 0.0002	0.41	2.12	< 0.0025	< 0.002	
	8/24/2016	3.0	120	120	0.34	7.63	280	820	< 0.003	0.0016	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.065	< 0.0002	0.43	2.12	< 0.0025	< 0.002	
	11/18/2016	3.5	120	99	0.34	7.38	270	830	< 0.003	0.0016	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.065	< 0.0002	0.45	2.12	< 0.0025	< 0.002	
	2/16/2017	FI 4.0	120	99	0.34	7.39	340	830	< 0.003	0.002	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.064	< 0.0002	0.37	1.76	FI < 0.0025	< 0.002	
	5/15/2017	6.5	120	88	0.40	7.47	320	850	< 0.003	0.002	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.14	< 0.0002	0.57	1.4	< 0.0025	< 0.002	
	7/27/2017	6.2	120	86	0.42	7.61	360	830	< 0.003	0.0043	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.67	2.08	< 0.0025	< 0.002	
	9/28/2017	5.8	140	78	0.38	7.29	290	870	< 0.003	0.003	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.086	< 0.0002	0.47	1.79	< 0.0025	< 0.002	
	11/21/2017	4.7	120	97	0.36	7.29	260	900	< 0.003	0.0037	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.74	1.82	< 0.0025	< 0.002	
	5/17/2018	3	130	86	0.32	7.37	350	860	< 0.003	0.0029	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.11	< 0.0002	0.67	2.36	< 0.0025	< 0.002	
	5/21/2018	4.4	120	77	0.29	7.13	310	1000	NA	NA	NA	NA	NA	NA	< 0.001	< 0.0005	0.1	NA	0.64	2.22	< 0.0025	NA	
	12/12/2018	3.5	120	FI 7.7	0.26	7.43	280	880	NA	0.019	0.043	NA	NA	NA	< 0.001	< 0.0017	0.065	NA	0.56	2.21	< 0.0025	NA	
	6/22/2019	4.0	140	84	0.27	7.33	380	890	NA	0.0021	0.041	NA	NA	NA	< 0.001	< 0.0005	0.065	NA	0.67	2.07	< 0.0025	NA	
	11/8/2019	4.8	150	69	0.27	7.47	360	820	NA	< 0.01	0.039	NA	NA	NA	< 0.001	< 0.0005	0.13	NA	0.58	2.370	< 0.0100	NA	
	6/29/2020	6.0	150	71	0.28	7.47	400	790	NA	0.0021	0.038	NA	NA	NA	< 0.001	< 0.0005	0.11	NA	0.64	1.92	< 0.0025	NA	
	12/16/2020	6.1	150	FI 6.6	0.24	7.45	430	840	NA	0.0024	0.038	NA	NA	NA	< 0.001	< 0.0005	0.11	NA	0.75	3.23	FI < 0.0025	NA	
	6/28/2021	B 4.0	130	56	0.30	7.16	430	790	< 3.0	< 0.01	0.036	< 1.0	< 0.5	< 5.0	< 0.001	< 0.0005	0.071	< 0.0002	0.53	2.10	< 0.0025	< 2.0	
	9/18/2021	6.0	160	62	0.31	7.47	520	970	< 0.003	0.0029	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	0.95	2.48	< 0.0025	< 0.002	
	12/15/2021	4.5	150	59	0.32	7.42	490	930	< 0.003	0.0016	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.097	< 0.0002	0.75	2.68	< 0.0025	< 0.002	
3/16/2022	4.0	9.6	50	0.31	7.52	430	1100	< 0.003	0.007	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.51	2.61	< 0.0025	< 0.002		
6/10/2022	5.5	120	54	0.31	7.22	460	890	< 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		
8/26/2022	3.1	130	57	0.30	7.23	450	870	< 0.003	0.0023	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.12	< 0.0002	0.69	3.27	< 0.0025	< 0.002		
12/16/2022	4.7	130	61	0.31	7.41	460	860	< 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		
5/23/2023	4.6	140	56	0.29	7.57	390	940	< 0.003	0.0026	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.1	< 0.0002	0.62	1.86	< 0.0025	< 0.002		
6/29/2023	1.5	100	47	0.29	7.07	380	770	< 0.003	0.0016	0.028	< 0.0005	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	0.92	2.02	< 0.0025	< 0.0020		
9/12/2023	3.8	88	50	0.29	7.60	380	750	< 0.003	< 0.0020	0.030	< 0.0010	< 0.0005	< 0.0050	< 0.0005	< 0.0005	0.074	< 0.00020	0.42	1.97	< 0.0020	< 0.0010		
12/19/2023	2.8	88	43	0.28	7.43	350	780	< 0.003	< 0.0010	0.027	< 0.0005	< 0.0005	< 0.0050	< 0.0005	< 0.0005	0.028	< 0.00020	0.031	2.54	< 0.0025	< 0.0020		
3/1/2024	4.5	110	43	0.30	7.41	370	820	< 0.003	0.0011	0.032	< 0.001	< 0.0005	< 0.0050	< 0.0005	< 0.0005	0.099	< 0.00020	0.18	1.12	< 0.0025	< 0.0020		
6/21/2024	0.36	94	37	0.30	7.52	290	730	< 0.003	0.0010	0.029	< 0.0010	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.039	< 0.00020	0.046	1.97	< 0.0025	< 0.0020		
G45 down- gradient	11/20/2013	1.1	120	120	0.31	7.11	120	680	< 0.003	0.002	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.037	< 0.0002	0.066	1.04	< 0.0025	< 0.002	
	5/5/2016	9.1	110	37	0.28	7.19	120	690	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.08	< 0.0002	0.46	< 0.45	< 0.0025	< 0.002	
	6/30/2016	0.69	100	30	0.18	7.59	99	620	< 0.003	< 0.001	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.62	0.79	< 0.0025	< 0.002	
	8/26/2016	0.99	120	26	0.19	7.12	110	710	< 0.003	< 0.001	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.67	0.816	< 0.0025	< 0.002	
	11/16/2016	0.82	120	36	0.17	7.15	88	530	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.61	0.475	< 0.0025	< 0.002	
	2/16/2017	0.86	120	30	0.15	7.38	120	620	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.64	0.729	< 0.0025	< 0.002	
	5/24/2017	0.83	120	31	0.19	7.08	99	690	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.61	1.01	< 0.0025	< 0.002	
	7/10/2017	0.83	130	30	0.17	7.00	110	700	< 0.003	< 0.01	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.66	0.667	< 0.0025	< 0.002	
	9/28/2017	0.99	130	30	0.19	7.11	100	620	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.68	0.614	< 0.0025	< 0.002	
	11/21/2017	0.79	110	35	0.18	7.06	120	640	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.046	< 0.0002	0.65	0.912	< 0.0025	< 0.002	
	5/17/2018	0.81	120	36	0.18	7.19	110	670	< 0.003	< 0.001	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.61	0.909	< 0.0025	< 0.002	
	5/17/2018	0.98	120	35	0.18	7.02	96	780	NA	< 0.001	0.054	NA	NA	NA	< 0.001	< 0.0005	0.046	NA	0.714	< 0.0025	NA		
	12/10/2018	1.1	120	41	0.19	7.41	110	630	NA	< 0.001	0.057	NA	NA	NA	< 0.001	< 0.0005	0.049	NA	0.14	0.454	< 0.0025	NA	
	6/19/2019	1.3	130	59	0.19	7.02	140	720	NA	< 0.001	0.062	NA	NA	NA	< 0.001	< 0.0005	0.051	NA	0.13	0.841	< 0.0025	NA	
	11/23/2019	1.3	140	53	0.21	7.22	160	670	NA	< 0.001	0.065	NA	NA	NA	< 0.001	< 0.0005	0.056	NA	0.20	1.01	< 0.0025	NA	
	6/29/2020	1.4	140	52	0.21	7.30	160	670	NA	< 0.001	0.06	NA	NA	NA	< 0.001	< 0.0005	0.054	NA	0.15	1.860	< 0.0025	NA	
	12/13/2020	1.3	140	55																			

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	
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	
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	
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	
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	

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	
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	
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	
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	
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	

ANALYTICAL REPORT

PREPARED FOR

Attn: Kaelyn Sperle
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

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JOB DESCRIPTION

Joliet #9 (Quarry) CCR 2Q24

JOB NUMBER

500-252337-1

Eurofins Chicago

Job Notes

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

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Case Narrative

Client: KPRG and Associates, Inc.
Project: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Job ID: 500-252337-1

Eurofins Chicago

Job Narrative 500-252337-1

Receipt

The samples were received on 6/18/2024 4:05 PM, 6/19/2024 2:49 PM, 6/20/2024 3:00 PM, 6/21/2024 4:18 PM, 6/24/2024 2:40 PM, 6/25/2024 3:25 PM and 6/28/2024 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.7°C, 2.0°C, 2.0°C, 2.5°C, 2.8°C, 3.2°C, 3.4°C, 4.3°C and 4.3°C.

Metals

Method 6020B - Total Recoverable: The initial low level calibration verification (ICVL) result for batch 500-776748 was above the upper control limit. The affected analyte is: Beryllium. Sample results were below the reporting limit, and have been reported as qualified data.

Method 6020B - Total Recoverable: The initial calibration verification (ICV) result for batch 500-776748 was above the upper control limit. The affected analyte is: Lithium. Sample results below the reporting limit have been reported as qualified data.

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

General Chemistry

Method SM4500_SO4_E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-774273 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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 2Q24

Job ID: 500-252337-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
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 2Q24

Job ID: 500-252337-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-252337-1	G20S	GW	06/18/24 12:31	06/18/24 16:05
500-252337-2	G30S	Water	06/19/24 09:27	06/19/24 14:49
500-252337-3	R08S	Water	06/19/24 11:37	06/19/24 14:49
500-252337-4	DUP of R08S	Water	06/19/24 11:37	06/19/24 14:49
500-252337-5	G33S	Water	06/19/24 13:32	06/19/24 14:49
500-252337-6	G46S	Water	06/20/24 09:19	06/20/24 15:00
500-252337-7	T12S	Water	06/20/24 10:15	06/20/24 15:00
500-252337-8	G48S	Water	06/20/24 11:13	06/20/24 15:00
500-252337-9	G47S	Water	06/20/24 13:06	06/20/24 15:00
500-252337-10	T13S	Water	06/20/24 13:58	06/20/24 15:00
500-252337-11	T03S	Water	06/21/24 09:28	06/21/24 16:18
500-252337-12	G44S	Water	06/21/24 10:26	06/21/24 16:18
500-252337-13	G39S	Water	06/21/24 11:27	06/21/24 16:18
500-252337-14	R32S	Water	06/21/24 12:26	06/21/24 16:18
500-252337-15	G45S	Water	06/21/24 13:46	06/21/24 16:18
500-252337-16	G31S	Water	06/21/24 14:38	06/21/24 16:18
500-252337-17	T02S	Water	06/24/24 10:32	06/24/24 14:40
500-252337-18	T08S	Water	06/24/24 12:37	06/24/24 14:40
500-252337-19	T06S	Water	06/25/24 12:07	06/25/24 15:25
500-252337-20	T05S	Water	06/25/24 13:52	06/25/24 15:25
500-252337-21	T01S	Water	06/28/24 09:50	06/28/24 15:50
500-252337-22	T09S	Water	06/28/24 11:58	06/28/24 15:50
500-252337-23	T11S	Water	06/28/24 13:29	06/28/24 15:50



Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G20S

Lab Sample ID: 500-252337-1

Date Collected: 06/18/24 12:31

Matrix: GW

Date Received: 06/18/24 16:05

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		07/10/24 10:34	07/10/24 18:17	1
Arsenic	0.0013		0.0010		mg/L		07/10/24 10:34	07/10/24 18:17	1
Barium	0.044		0.0025		mg/L		07/10/24 10:34	07/10/24 18:17	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:17	1
Boron	1.2		0.050		mg/L		07/12/24 08:45	07/12/24 16:21	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:17	1
Calcium	56		0.20		mg/L		07/10/24 10:34	07/10/24 18:17	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:17	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:17	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:17	1
Lithium	0.037		0.010		mg/L		07/10/24 10:34	07/10/24 18:17	1
Molybdenum	0.015		0.0050		mg/L		07/10/24 10:34	07/10/24 18:17	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:17	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	410		10		mg/L			06/20/24 23:02	1
Chloride (SM 4500 Cl- E)	17		2.0		mg/L			06/19/24 12:21	1
Fluoride (SM 4500 F C)	0.79		0.10		mg/L			07/10/24 19:40	1
Sulfate (SM 4500 SO4 E)	63		10		mg/L			06/25/24 15:36	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	44.87				ft			06/18/24 12:31	1
Depth to Water (ft from MP)	47.65				ft			06/18/24 12:31	1
Elevation of well (ft from MP)	580.87				ft			06/18/24 12:31	1
Field pH	7.62				SU			06/18/24 12:31	1
Field Temperature	95.72				Degrees F			06/18/24 12:31	1
Ground Water Elevation	533.22				ft			06/18/24 12:31	1
Specific Conductance	679				umhos/cm			06/18/24 12:31	1
Well bottom elevation	442.28				ft			06/18/24 12:31	1
Field Turbidity	0.80				NTU			06/18/24 12:31	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G30S

Lab Sample ID: 500-252337-2

Date Collected: 06/19/24 09:27

Matrix: Water

Date Received: 06/19/24 14:49

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		07/10/24 10:34	07/10/24 18:31	1
Arsenic	0.0014		0.0010		mg/L		07/10/24 10:34	07/10/24 18:31	1
Barium	0.047		0.0025		mg/L		07/10/24 10:34	07/10/24 18:31	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:31	1
Boron	5.1		0.50		mg/L		07/12/24 08:45	07/12/24 16:23	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:31	1
Calcium	62		0.20		mg/L		07/10/24 10:34	07/10/24 18:31	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:31	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:31	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:31	1
Lithium	0.022		0.010		mg/L		07/10/24 10:34	07/10/24 18:31	1
Molybdenum	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:31	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:31	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		10		mg/L			06/20/24 23:05	1
Chloride (SM 4500 Cl- E)	190		10		mg/L			06/20/24 11:03	5
Fluoride (SM 4500 F C)	0.94		0.10		mg/L			07/10/24 19:45	1
Sulfate (SM 4500 SO4 E)	470		50		mg/L			06/25/24 15:53	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	-0.72				ft			06/19/24 09:27	1
Depth to Water (ft from MP)	1.59				ft			06/19/24 09:27	1
Elevation of well (ft from MP)	524.86				ft			06/19/24 09:27	1
Field pH	7.82				SU			06/19/24 09:27	1
Field Temperature	66.9				Degrees F			06/19/24 09:27	1
Ground Water Elevation	523.27				ft			06/19/24 09:27	1
Specific Conductance	1860				umhos/cm			06/19/24 09:27	1
Well bottom elevation	462.58				ft			06/19/24 09:27	1
Field Turbidity	0.26				NTU			06/19/24 09:27	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: R08S

Lab Sample ID: 500-252337-3

Date Collected: 06/19/24 11:37

Matrix: Water

Date Received: 06/19/24 14:49

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		07/10/24 10:34	07/10/24 18:36	1
Arsenic	0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:36	1
Barium	0.042		0.0025		mg/L		07/10/24 10:34	07/10/24 18:36	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:36	1
Boron	8.1		0.50		mg/L		07/12/24 08:45	07/15/24 10:29	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:36	1
Calcium	140		0.20		mg/L		07/10/24 10:34	07/10/24 18:36	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:36	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:36	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:36	1
Lithium	0.13		0.010		mg/L		07/10/24 10:34	07/10/24 18:36	1
Molybdenum	0.33		0.0050		mg/L		07/10/24 10:34	07/10/24 18:36	1
Selenium	0.012		0.0025		mg/L		07/10/24 10:34	07/10/24 18:36	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	800		10		mg/L			06/20/24 23:07	1
Chloride (SM 4500 Cl- E)	71		4.0		mg/L			06/20/24 11:03	2
Fluoride (SM 4500 F C)	0.12		0.10		mg/L			07/10/24 19:50	1
Sulfate (SM 4500 SO4 E)	400		50		mg/L			06/25/24 15:54	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	67.49				ft			06/19/24 11:37	1
Depth to Water (ft from MP)	70.04				ft			06/19/24 11:37	1
Elevation of well (ft from MP)	578.66				ft			06/19/24 11:37	1
Field pH	7.87				SU			06/19/24 11:37	1
Field Temperature	61.2				Degrees F			06/19/24 11:37	1
Ground Water Elevation	508.62				ft			06/19/24 11:37	1
Specific Conductance	1024				umhos/cm			06/19/24 11:37	1
Well bottom elevation	453.08				ft			06/19/24 11:37	1
Field Turbidity	0.40				NTU			06/19/24 11:37	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: DUP of R08S

Lab Sample ID: 500-252337-4

Date Collected: 06/19/24 11:37

Matrix: Water

Date Received: 06/19/24 14:49

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		07/10/24 10:34	07/10/24 18:42	1
Arsenic	0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:42	1
Barium	0.044		0.0025		mg/L		07/10/24 10:34	07/10/24 18:42	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:42	1
Boron	8.2		0.50		mg/L		07/12/24 08:45	07/15/24 10:31	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:42	1
Calcium	150		0.20		mg/L		07/10/24 10:34	07/10/24 18:42	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:42	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:42	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:42	1
Lithium	0.14		0.010		mg/L		07/10/24 10:34	07/10/24 18:42	1
Molybdenum	0.37		0.0050		mg/L		07/10/24 10:34	07/10/24 18:42	1
Selenium	0.0076		0.0025		mg/L		07/10/24 10:34	07/10/24 18:42	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	840		10		mg/L			06/20/24 23:10	1
Chloride (SM 4500 Cl- E)	72		4.0		mg/L			06/20/24 11:04	2
Fluoride (SM 4500 F C)	0.13		0.10		mg/L			07/10/24 19:55	1
Sulfate (SM 4500 SO4 E)	410		50		mg/L			06/25/24 15:54	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	67.49				ft			06/19/24 11:37	1
Depth to Water (ft from MP)	70.04				ft			06/19/24 11:37	1
Elevation of well (ft from MP)	578.66				ft			06/19/24 11:37	1
Field pH	7.87				SU			06/19/24 11:37	1
Field Temperature	61.2				Degrees F			06/19/24 11:37	1
Ground Water Elevation	508.62				ft			06/19/24 11:37	1
Specific Conductance	1024				umhos/cm			06/19/24 11:37	1
Well bottom elevation	453.08				ft			06/19/24 11:37	1
Field Turbidity	0.40				NTU			06/19/24 11:37	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G33S

Lab Sample ID: 500-252337-5

Date Collected: 06/19/24 13:32

Matrix: Water

Date Received: 06/19/24 14:49

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		07/10/24 10:34	07/10/24 18:48	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:48	1
Barium	0.045		0.0025		mg/L		07/10/24 10:34	07/10/24 18:48	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:48	1
Boron	0.36		0.050		mg/L		07/12/24 08:45	07/15/24 10:34	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:48	1
Calcium	49		0.20		mg/L		07/10/24 10:34	07/10/24 18:48	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:48	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:48	1
Lead	0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:48	1
Lithium	0.015		0.010		mg/L		07/10/24 10:34	07/10/24 18:48	1
Molybdenum	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:48	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:48	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	300		10		mg/L			06/20/24 23:12	1
Chloride (SM 4500 Cl- E)	8.8		2.0		mg/L			06/20/24 10:16	1
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			07/10/24 20:00	1
Sulfate (SM 4500 SO4 E)	43		5.0		mg/L			06/25/24 16:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	33.36				ft			06/19/24 13:32	1
Depth to Water (ft from MP)	35.09				ft			06/19/24 13:32	1
Elevation of well (ft from MP)	535.67				ft			06/19/24 13:32	1
Field pH	7.56				SU			06/19/24 13:32	1
Field Temperature	65.8				Degrees F			06/19/24 13:32	1
Ground Water Elevation	500.58				ft			06/19/24 13:32	1
Specific Conductance	472				umhos/cm			06/19/24 13:32	1
Well bottom elevation	452.72				ft			06/19/24 13:32	1
Field Turbidity	4.78				NTU			06/19/24 13:32	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G46S

Lab Sample ID: 500-252337-6

Date Collected: 06/20/24 09:19

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 18:50	1
Arsenic	0.019		0.0010		mg/L		07/10/24 10:34	07/10/24 18:50	1
Barium	0.050		0.0025		mg/L		07/10/24 10:34	07/10/24 18:50	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:50	1
Boron	11		1.0		mg/L		07/12/24 08:45	07/15/24 10:36	20
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:50	1
Calcium	130		0.20		mg/L		07/10/24 10:34	07/10/24 18:50	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:50	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:50	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:50	1
Lithium	0.18		0.010		mg/L		07/10/24 10:34	07/10/24 18:50	1
Molybdenum	1.6		0.0050		mg/L		07/10/24 10:34	07/10/24 18:50	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:50	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00032		0.00020		mg/L		07/08/24 10:55	07/09/24 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/20/24 23:15	1
Chloride (SM 4500 Cl- E)	54		4.0		mg/L			06/23/24 11:57	2
Fluoride (SM 4500 F C)	0.34		0.10		mg/L			07/10/24 20:04	1
Sulfate (SM 4500 SO4 E)	580		100		mg/L			06/25/24 16:44	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	97.70				ft			06/20/24 09:19	1
Depth to Water (ft from MP)	100.40				ft			06/20/24 09:19	1
Elevation of well (ft from MP)	601.41				ft			06/20/24 09:19	1
Field pH	7.29				SU			06/20/24 09:19	1
Field Temperature	59.5				Degrees F			06/20/24 09:19	1
Ground Water Elevation	501.00				ft			06/20/24 09:19	1
Specific Conductance	1423				umhos/cm			06/20/24 09:19	1
Well bottom elevation	453.62				ft			06/20/24 09:19	1
Field Turbidity	8.46				NTU			06/20/24 09:19	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T12S

Lab Sample ID: 500-252337-7

Date Collected: 06/20/24 10:15

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 18:56	1
Arsenic	0.18		0.0010		mg/L		07/10/24 10:34	07/10/24 18:56	1
Barium	0.12		0.0025		mg/L		07/10/24 10:34	07/10/24 18:56	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:56	1
Boron	5.2		0.50		mg/L		07/12/24 08:45	07/15/24 10:38	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:56	1
Calcium	140		0.20		mg/L		07/10/24 10:34	07/10/24 18:56	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:56	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:56	1
Lead	0.0016		0.00050		mg/L		07/10/24 10:34	07/10/24 18:56	1
Lithium	0.14		0.010		mg/L		07/10/24 10:34	07/10/24 18:56	1
Molybdenum	0.46		0.0050		mg/L		07/10/24 10:34	07/10/24 18:56	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:56	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	840		10		mg/L			06/20/24 23:18	1
Chloride (SM 4500 Cl- E)	74		4.0		mg/L			06/23/24 11:57	2
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			07/10/24 20:09	1
Sulfate (SM 4500 SO4 E)	310		50		mg/L			06/25/24 16:45	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	71.40				ft			06/20/24 10:15	1
Depth to Water (ft from MP)	74.14				ft			06/20/24 10:15	1
Elevation of well (ft from MP)	578.74				ft			06/20/24 10:15	1
Field pH	8.82				SU			06/20/24 10:15	1
Field Temperature	59.0				Degrees F			06/20/24 10:15	1
Ground Water Elevation	504.60				ft			06/20/24 10:15	1
Specific Conductance	1128				umhos/cm			06/20/24 10:15	1
Well bottom elevation	452.24				ft			06/20/24 10:15	1
Field Turbidity	284.00				NTU			06/20/24 10:15	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G48S

Lab Sample ID: 500-252337-8

Date Collected: 06/20/24 11:13

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 19:07	1
Arsenic	0.010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:07	1
Barium	0.026		0.0025		mg/L		07/10/24 10:34	07/10/24 19:07	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:07	1
Boron	4.6		0.50		mg/L		07/12/24 08:45	07/15/24 10:40	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:07	1
Calcium	46		0.20		mg/L		07/10/24 10:34	07/10/24 19:07	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:07	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:07	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:07	1
Lithium	0.031		0.010		mg/L		07/10/24 10:34	07/10/24 19:07	1
Molybdenum	0.38		0.0050		mg/L		07/10/24 10:34	07/10/24 19:07	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:07	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			06/20/24 23:20	1
Chloride (SM 4500 Cl- E)	81		4.0		mg/L			06/23/24 13:39	2
Fluoride (SM 4500 F C)	0.90		0.10		mg/L			07/10/24 20:14	1
Sulfate (SM 4500 SO4 E)	390		50		mg/L			06/25/24 16:45	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	98.28				ft			06/20/24 11:13	1
Depth to Water (ft from MP)	100.73				ft			06/20/24 11:13	1
Elevation of well (ft from MP)	620.77				ft			06/20/24 11:13	1
Field pH	8.26				SU			06/20/24 11:13	1
Field Temperature	69.8				Degrees F			06/20/24 11:13	1
Ground Water Elevation	520.04				ft			06/20/24 11:13	1
Specific Conductance	1445				umhos/cm			06/20/24 11:13	1
Well bottom elevation	468.32				ft			06/20/24 11:13	1
Field Turbidity	0.61				NTU			06/20/24 11:13	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G47S

Lab Sample ID: 500-252337-9

Date Collected: 06/20/24 13:06

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 19:11	1
Arsenic	0.024		0.0010		mg/L		07/10/24 10:34	07/10/24 19:11	1
Barium	0.011		0.0025		mg/L		07/10/24 10:34	07/10/24 19:11	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:11	1
Boron	4.7		0.50		mg/L		07/12/24 08:45	07/15/24 10:42	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:11	1
Calcium	14		0.20		mg/L		07/10/24 10:34	07/10/24 19:11	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:11	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:11	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:11	1
Lithium	0.043		0.010		mg/L		07/10/24 10:34	07/10/24 19:11	1
Molybdenum	0.38		0.0050		mg/L		07/10/24 10:34	07/10/24 19:11	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:11	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/20/24 23:23	1
Chloride (SM 4500 Cl- E)	96		10		mg/L			06/23/24 13:40	5
Fluoride (SM 4500 F C)	0.55		0.10		mg/L			07/10/24 20:28	1
Sulfate (SM 4500 SO4 E)	440		50		mg/L			06/25/24 16:45	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	89.14				ft			06/20/24 13:06	1
Depth to Water (ft from MP)	91.64				ft			06/20/24 13:06	1
Elevation of well (ft from MP)	612.23				ft			06/20/24 13:06	1
Field pH	9.34				SU			06/20/24 13:06	1
Field Temperature	60.8				Degrees F			06/20/24 13:06	1
Ground Water Elevation	520.59				ft			06/20/24 13:06	1
Specific Conductance	1580				umhos/cm			06/20/24 13:06	1
Well bottom elevation	459.84				ft			06/20/24 13:06	1
Field Turbidity	0.48				NTU			06/20/24 13:06	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T13S

Lab Sample ID: 500-252337-10

Date Collected: 06/20/24 13:58

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 19:13	1
Arsenic	0.0026		0.0010		mg/L		07/10/24 10:34	07/10/24 19:13	1
Barium	0.058		0.0025		mg/L		07/10/24 10:34	07/10/24 19:13	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:13	1
Boron	0.27		0.050		mg/L		07/12/24 08:45	07/15/24 10:44	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:13	1
Calcium	96		0.20		mg/L		07/10/24 10:34	07/10/24 19:13	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:13	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:13	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:13	1
Lithium	0.021		0.010		mg/L		07/10/24 10:34	07/10/24 19:13	1
Molybdenum	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:13	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:13	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	580		10		mg/L			06/20/24 23:25	1
Chloride (SM 4500 Cl- E)	27		2.0		mg/L			06/23/24 12:58	1
Fluoride (SM 4500 F C)	0.25		0.10		mg/L			07/10/24 20:33	1
Sulfate (SM 4500 SO4 E)	130		50		mg/L			06/25/24 16:46	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	17.45				ft			06/20/24 13:58	1
Depth to Water (ft from MP)	20.21				ft			06/20/24 13:58	1
Elevation of well (ft from MP)	525.33				ft			06/20/24 13:58	1
Field pH	7.59				SU			06/20/24 13:58	1
Field Temperature	61.9				Degrees F			06/20/24 13:58	1
Ground Water Elevation	505.12				ft			06/20/24 13:58	1
Specific Conductance	892				umhos/cm			06/20/24 13:58	1
Well bottom elevation	452.21				ft			06/20/24 13:58	1
Field Turbidity	13.40				NTU			06/20/24 13:58	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T03S

Lab Sample ID: 500-252337-11

Date Collected: 06/21/24 09:28

Matrix: Water

Date Received: 06/21/24 16:18

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		07/10/24 10:34	07/10/24 19:15	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:15	1
Barium	0.064		0.0025		mg/L		07/10/24 10:34	07/10/24 19:15	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:15	1
Boron	1.3		0.050		mg/L		07/12/24 08:45	07/15/24 10:50	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:15	1
Calcium	100		0.20		mg/L		07/10/24 10:34	07/10/24 19:15	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:15	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:15	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:15	1
Lithium	0.017		0.010		mg/L		07/10/24 10:34	07/10/24 19:15	1
Molybdenum	0.10		0.0050		mg/L		07/10/24 10:34	07/10/24 19:15	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:15	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	970		10		mg/L			06/23/24 21:23	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			06/23/24 13:40	5
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			07/10/24 20:37	1
Sulfate (SM 4500 SO4 E)	190		25		mg/L			06/25/24 16:23	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	132.78				ft			06/21/24 09:28	1
Depth to Water (ft from MP)	135.86				ft			06/21/24 09:28	1
Elevation of well (ft from MP)	629.85				ft			06/21/24 09:28	1
Field pH	7.227				SU			06/21/24 09:28	1
Field Temperature	56.3				Degrees F			06/21/24 09:28	1
Ground Water Elevation	493.99				ft			06/21/24 09:28	1
Specific Conductance	1265				umhos/cm			06/21/24 09:28	1
Well bottom elevation	456.70				ft			06/21/24 09:28	1
Field Turbidity	1.05				NTU			06/21/24 09:28	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G44S

Lab Sample ID: 500-252337-12

Date Collected: 06/21/24 10:26

Matrix: Water

Date Received: 06/21/24 16:18

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		07/10/24 10:34	07/10/24 19:17	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:17	1
Barium	0.064		0.0025		mg/L		07/10/24 10:34	07/10/24 19:17	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:17	1
Boron	1.2		0.050		mg/L		07/12/24 08:45	07/15/24 10:52	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:17	1
Calcium	130		0.20		mg/L		07/10/24 10:34	07/10/24 19:17	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:17	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:17	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:17	1
Lithium	0.018		0.010		mg/L		07/10/24 10:34	07/10/24 19:17	1
Molybdenum	0.11		0.0050		mg/L		07/10/24 10:34	07/10/24 19:17	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:17	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	850		10		mg/L			06/23/24 21:25	1
Chloride (SM 4500 Cl- E)	64		4.0		mg/L			06/23/24 13:40	2
Fluoride (SM 4500 F C)	0.22		0.10		mg/L			07/10/24 20:42	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 16:24	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	80.17				ft			06/21/24 10:26	1
Depth to Water (ft from MP)	82.35				ft			06/21/24 10:26	1
Elevation of well (ft from MP)	586.68				ft			06/21/24 10:26	1
Field pH	7.24				SU			06/21/24 10:26	1
Field Temperature	62.1				Degrees F			06/21/24 10:26	1
Ground Water Elevation	504.33				ft			06/21/24 10:26	1
Specific Conductance	1111				umhos/cm			06/21/24 10:26	1
Well bottom elevation	455.11				ft			06/21/24 10:26	1
Field Turbidity	3.52				NTU			06/21/24 10:26	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G39S

Lab Sample ID: 500-252337-13

Date Collected: 06/21/24 11:27

Matrix: Water

Date Received: 06/21/24 16:18

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		07/10/24 10:34	07/10/24 19:19	1
Arsenic	0.0030		0.0010		mg/L		07/10/24 10:34	07/10/24 19:19	1
Barium	0.032		0.0025		mg/L		07/10/24 10:34	07/10/24 19:19	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:19	1
Boron	0.23		0.050		mg/L		07/12/24 08:45	07/15/24 10:54	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:19	1
Calcium	86		0.20		mg/L		07/10/24 10:34	07/10/24 19:19	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:19	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:19	1
Lead	0.00059		0.00050		mg/L		07/10/24 10:34	07/10/24 19:19	1
Lithium	<0.010		0.010		mg/L		07/10/24 10:34	07/10/24 19:19	1
Molybdenum	0.0055		0.0050		mg/L		07/10/24 10:34	07/10/24 19:19	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:19	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	540		10		mg/L			06/23/24 21:28	1
Chloride (SM 4500 Cl- E)	20		2.0		mg/L			06/23/24 12:59	1
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			07/10/24 20:46	1
Sulfate (SM 4500 SO4 E)	68		10		mg/L			06/25/24 16:26	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	93.48				ft			06/21/24 11:27	1
Depth to Water (ft from MP)	95.56				ft			06/21/24 11:27	1
Elevation of well (ft from MP)	598.75				ft			06/21/24 11:27	1
Field pH	7.19				SU			06/21/24 11:27	1
Field Temperature	58.3				Degrees F			06/21/24 11:27	1
Ground Water Elevation	503.19				ft			06/21/24 11:27	1
Specific Conductance	758				umhos/cm			06/21/24 11:27	1
Well bottom elevation	454.15				ft			06/21/24 11:27	1
Field Turbidity	1.50				NTU			06/21/24 11:27	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: R32S

Lab Sample ID: 500-252337-14

Date Collected: 06/21/24 12:26

Matrix: Water

Date Received: 06/21/24 16:18

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		07/10/24 10:34	07/10/24 19:22	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:22	1
Barium	0.029		0.0025		mg/L		07/10/24 10:34	07/10/24 19:22	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:22	1
Boron	0.36		0.050		mg/L		07/12/24 08:45	07/15/24 10:56	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:22	1
Calcium	94		0.20		mg/L		07/10/24 10:34	07/10/24 19:22	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:22	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:22	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:22	1
Lithium	0.019		0.010		mg/L		07/10/24 10:34	07/10/24 19:22	1
Molybdenum	0.046		0.0050		mg/L		07/10/24 10:34	07/10/24 19:22	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:22	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	730		10		mg/L			06/26/24 21:58	1
Chloride (SM 4500 Cl- E)	37		2.0		mg/L			06/23/24 12:59	1
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			07/10/24 20:51	1
Sulfate (SM 4500 SO4 E)	290		50		mg/L			06/25/24 16:47	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	19.65				ft			06/21/24 12:26	1
Depth to Water (ft from MP)	21.68				ft			06/21/24 12:26	1
Elevation of well (ft from MP)	536.97				ft			06/21/24 12:26	1
Field pH	7.52				SU			06/21/24 12:26	1
Field Temperature	56.7				Degrees F			06/21/24 12:26	1
Ground Water Elevation	515.29				ft			06/21/24 12:26	1
Specific Conductance	752				umhos/cm			06/21/24 12:26	1
Well bottom elevation	457.84				ft			06/21/24 12:26	1
Field Turbidity	1.03				NTU			06/21/24 12:26	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G45S

Lab Sample ID: 500-252337-15

Date Collected: 06/21/24 13:46

Matrix: Water

Date Received: 06/21/24 16:18

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		07/12/24 08:45	07/15/24 10:59	1
Arsenic	0.0089		0.0010		mg/L		07/12/24 08:45	07/15/24 10:59	1
Barium	0.033		0.0025		mg/L		07/12/24 08:45	07/15/24 10:59	1
Beryllium	<0.0010	^1+	0.0010		mg/L		07/12/24 08:45	07/15/24 10:59	1
Boron	0.29		0.050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Cadmium	<0.00050		0.00050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Calcium	84		0.20		mg/L		07/12/24 08:45	07/15/24 10:59	1
Chromium	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Cobalt	<0.0010		0.0010		mg/L		07/12/24 08:45	07/15/24 10:59	1
Lead	<0.00050		0.00050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Lithium	0.026		0.010		mg/L		07/12/24 08:45	07/15/24 14:36	1
Molybdenum	0.010		0.0050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Selenium	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 10:59	1
Thallium	<0.0020		0.0020		mg/L		07/12/24 08:45	07/15/24 10:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	660		10		mg/L			06/26/24 22:05	1
Chloride (SM 4500 Cl- E)	100		10		mg/L			06/23/24 13:41	5
Fluoride (SM 4500 F C)	0.38		0.10		mg/L			07/11/24 10:50	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 16:47	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	59.66				ft			06/21/24 13:46	1
Depth to Water (ft from MP)	62.63				ft			06/21/24 13:46	1
Elevation of well (ft from MP)	603.80				ft			06/21/24 13:46	1
Field pH	7.35				SU			06/21/24 13:46	1
Field Temperature	61.3				Degrees F			06/21/24 13:46	1
Ground Water Elevation	541.17				ft			06/21/24 13:46	1
Specific Conductance	940				umhos/cm			06/21/24 13:46	1
Well bottom elevation	471.05				ft			06/21/24 13:46	1
Field Turbidity	0.79				NTU			06/21/24 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G31S

Lab Sample ID: 500-252337-16

Date Collected: 06/21/24 14:38

Matrix: Water

Date Received: 06/21/24 16:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		07/12/24 08:45	07/15/24 11:01	5
Arsenic	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:01	5
Barium	0.047		0.013		mg/L		07/12/24 08:45	07/15/24 11:01	5
Beryllium	<0.0050	^1+	0.0050		mg/L		07/12/24 08:45	07/15/24 11:01	5
Boron	2.6		0.25		mg/L		07/12/24 08:45	07/15/24 11:01	5
Cadmium	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 11:01	5
Calcium	160		1.0		mg/L		07/12/24 08:45	07/15/24 11:01	5
Chromium	<0.025		0.025		mg/L		07/12/24 08:45	07/15/24 11:01	5
Cobalt	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:01	5
Lead	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 11:01	5
Lithium	0.074		0.010		mg/L		07/12/24 08:45	07/15/24 14:38	1
Molybdenum	0.49		0.025		mg/L		07/12/24 08:45	07/15/24 11:01	5
Selenium	<0.013		0.013		mg/L		07/12/24 08:45	07/15/24 11:01	5
Thallium	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:01	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			06/26/24 22:11	1
Chloride (SM 4500 Cl- E)	210		10		mg/L			06/23/24 13:41	5
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			07/11/24 10:55	1
Sulfate (SM 4500 SO4 E)	430		50		mg/L			06/25/24 16:46	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	26.23				ft			06/21/24 14:38	1
Depth to Water (ft from MP)	28.81				ft			06/21/24 14:38	1
Elevation of well (ft from MP)	535.73				ft			06/21/24 14:38	1
Field pH	7.23				SU			06/21/24 14:38	1
Field Temperature	61.9				Degrees F			06/21/24 14:38	1
Ground Water Elevation	506.92				ft			06/21/24 14:38	1
Specific Conductance	1920				umhos/cm			06/21/24 14:38	1
Well bottom elevation	453.36				ft			06/21/24 14:38	1
Field Turbidity	0.95				NTU			06/21/24 14:38	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T02S

Lab Sample ID: 500-252337-17

Date Collected: 06/24/24 10:32

Matrix: Water

Date Received: 06/24/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		07/12/24 08:45	07/15/24 11:03	5
Arsenic	0.0082		0.0050		mg/L		07/12/24 08:45	07/15/24 11:03	5
Barium	0.12		0.013		mg/L		07/12/24 08:45	07/15/24 11:03	5
Beryllium	<0.0050	^1+	0.0050		mg/L		07/12/24 08:45	07/15/24 11:03	5
Boron	3.4		0.25		mg/L		07/12/24 08:45	07/15/24 11:03	5
Cadmium	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 11:03	5
Calcium	75		1.0		mg/L		07/12/24 08:45	07/15/24 11:03	5
Chromium	<0.025		0.025		mg/L		07/12/24 08:45	07/15/24 11:03	5
Cobalt	0.0057		0.0050		mg/L		07/12/24 08:45	07/15/24 11:03	5
Lead	0.0055		0.0025		mg/L		07/12/24 08:45	07/15/24 11:03	5
Lithium	<0.050	^1+	0.050		mg/L		07/12/24 08:45	07/15/24 11:03	5
Molybdenum	0.29		0.025		mg/L		07/12/24 08:45	07/15/24 11:03	5
Selenium	<0.013		0.013		mg/L		07/12/24 08:45	07/15/24 11:03	5
Thallium	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:03	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	940		10		mg/L			06/26/24 22:13	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			06/30/24 10:29	5
Fluoride (SM 4500 F C)	0.36		0.10		mg/L			07/11/24 10:59	1
Sulfate (SM 4500 SO4 E)	310		50		mg/L			06/25/24 16:46	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	128.86				ft			06/24/24 10:32	1
Depth to Water (ft from MP)	131.19				ft			06/24/24 10:32	1
Elevation of well (ft from MP)	626.12				ft			06/24/24 10:32	1
Field pH	8.02				SU			06/24/24 10:32	1
Field Temperature	74.1				Degrees F			06/24/24 10:32	1
Ground Water Elevation	494.93				ft			06/24/24 10:32	1
Specific Conductance	1296				umhos/cm			06/24/24 10:32	1
Well bottom elevation	453.40				ft			06/24/24 10:32	1
Field Turbidity	122.00				NTU			06/24/24 10:32	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T08S

Lab Sample ID: 500-252337-18

Date Collected: 06/24/24 12:37

Matrix: Water

Date Received: 06/24/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.030		0.030		mg/L		07/12/24 08:45	07/15/24 11:05	10
Arsenic	0.012		0.010		mg/L		07/12/24 08:45	07/15/24 11:05	10
Barium	<0.025		0.025		mg/L		07/12/24 08:45	07/15/24 11:05	10
Beryllium	<0.010	^1+	0.010		mg/L		07/12/24 08:45	07/15/24 11:05	10
Boron	6.6		0.50		mg/L		07/12/24 08:45	07/15/24 11:05	10
Cadmium	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:05	10
Calcium	18		2.0		mg/L		07/12/24 08:45	07/15/24 11:05	10
Chromium	<0.050		0.050		mg/L		07/12/24 08:45	07/15/24 11:05	10
Cobalt	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:05	10
Lead	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:05	10
Lithium	<0.10	^1+	0.10		mg/L		07/12/24 08:45	07/15/24 11:05	10
Molybdenum	0.60		0.050		mg/L		07/12/24 08:45	07/15/24 11:05	10
Selenium	<0.025		0.025		mg/L		07/12/24 08:45	07/15/24 11:05	10
Thallium	<0.020		0.020		mg/L		07/12/24 08:45	07/15/24 11:05	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	920		10		mg/L			06/26/24 22:16	1
Chloride (SM 4500 Cl- E)	73		4.0		mg/L			06/30/24 10:30	2
Fluoride (SM 4500 F C)	0.55		0.10		mg/L			07/11/24 11:04	1
Sulfate (SM 4500 SO4 E)	440		50		mg/L			06/25/24 16:47	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	124.18				ft			06/24/24 12:37	1
Depth to Water (ft from MP)	126.56				ft			06/24/24 12:37	1
Elevation of well (ft from MP)	627.55				ft			06/24/24 12:37	1
Field pH	8.34				SU			06/24/24 12:37	1
Field Temperature	78.3				Degrees F			06/24/24 12:37	1
Ground Water Elevation	500.99				ft			06/24/24 12:37	1
Specific Conductance	1355				umhos/cm			06/24/24 12:37	1
Well bottom elevation	447.38				ft			06/24/24 12:37	1
Field Turbidity	9.75				NTU			06/24/24 12:37	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T06S

Lab Sample ID: 500-252337-19

Date Collected: 06/25/24 12:07

Matrix: Water

Date Received: 06/25/24 15:25

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		07/12/24 08:45	07/15/24 11:07	1
Arsenic	<0.0010		0.0010		mg/L		07/12/24 08:45	07/15/24 11:07	1
Barium	0.035		0.0025		mg/L		07/12/24 08:45	07/15/24 11:07	1
Beryllium	<0.0010	^1+	0.0010		mg/L		07/12/24 08:45	07/15/24 11:07	1
Boron	0.70		0.050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Cadmium	<0.00050		0.00050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Calcium	89		0.20		mg/L		07/12/24 08:45	07/15/24 11:07	1
Chromium	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Cobalt	<0.0010		0.0010		mg/L		07/12/24 08:45	07/15/24 11:07	1
Lead	<0.00050		0.00050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Lithium	0.025		0.010		mg/L		07/12/24 08:45	07/15/24 14:40	1
Molybdenum	0.0083		0.0050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Selenium	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 11:07	1
Thallium	<0.0020		0.0020		mg/L		07/12/24 08:45	07/15/24 11:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	460		10		mg/L			06/26/24 22:18	1
Chloride (SM 4500 Cl- E)	13		2.0		mg/L			06/30/24 10:12	1
Fluoride (SM 4500 F C)	0.43		0.10		mg/L			07/11/24 11:09	1
Sulfate (SM 4500 SO4 E)	91		10		mg/L			06/30/24 14:38	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	112.36				ft			06/25/24 12:07	1
Depth to Water (ft from MP)	114.66				ft			06/25/24 12:07	1
Elevation of well (ft from MP)	621.05				ft			06/25/24 12:07	1
Field pH	7.16				SU			06/25/24 12:07	1
Field Temperature	68.7				Degrees F			06/25/24 12:07	1
Ground Water Elevation	506.39				ft			06/25/24 12:07	1
Specific Conductance	750				umhos/cm			06/25/24 12:07	1
Well bottom elevation	447.94				ft			06/25/24 12:07	1
Field Turbidity	0.97				NTU			06/25/24 12:07	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T05S

Lab Sample ID: 500-252337-20

Date Collected: 06/25/24 13:52

Matrix: Water

Date Received: 06/25/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.060		0.060		mg/L		07/12/24 08:45	07/15/24 11:09	20
Arsenic	0.11		0.020		mg/L		07/12/24 08:45	07/15/24 11:09	20
Barium	<0.050		0.050		mg/L		07/12/24 08:45	07/15/24 11:09	20
Beryllium	<0.020	^1+	0.020		mg/L		07/12/24 08:45	07/15/24 11:09	20
Boron	12		1.0		mg/L		07/12/24 08:45	07/15/24 11:09	20
Cadmium	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:09	20
Calcium	<4.0		4.0		mg/L		07/12/24 08:45	07/15/24 11:09	20
Chromium	<0.10		0.10		mg/L		07/12/24 08:45	07/15/24 11:09	20
Cobalt	<0.020		0.020		mg/L		07/12/24 08:45	07/15/24 11:09	20
Lead	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:09	20
Lithium	<0.20	^1+	0.20		mg/L		07/12/24 08:45	07/15/24 11:09	20
Molybdenum	0.88		0.10		mg/L		07/12/24 08:45	07/15/24 11:09	20
Selenium	<0.050		0.050		mg/L		07/12/24 08:45	07/15/24 11:09	20
Thallium	<0.040		0.040		mg/L		07/12/24 08:45	07/15/24 11:09	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			06/26/24 22:21	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			06/30/24 10:30	5
Fluoride (SM 4500 F C)	1.6		0.10		mg/L			07/11/24 11:14	1
Sulfate (SM 4500 SO4 E)	590		100		mg/L			06/30/24 15:04	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	117.81				ft			06/25/24 13:52	1
Depth to Water (ft from MP)	120.21				ft			06/25/24 13:52	1
Elevation of well (ft from MP)	623.50				ft			06/25/24 13:52	1
Field pH	10.18				SU			06/25/24 13:52	1
Field Temperature	68.4				Degrees F			06/25/24 13:52	1
Ground Water Elevation	503.29				ft			06/25/24 13:52	1
Specific Conductance	2250				umhos/cm			06/25/24 13:52	1
Well bottom elevation	448.35				ft			06/25/24 13:52	1
Field Turbidity	0.58				NTU			06/25/24 13:52	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T01S

Lab Sample ID: 500-252337-21

Date Collected: 06/28/24 09:50

Matrix: Water

Date Received: 06/28/24 15:50

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		07/09/24 10:02	07/10/24 19:34	1
Arsenic	0.013		0.0010		mg/L		07/09/24 10:02	07/10/24 19:34	1
Barium	0.044		0.0025		mg/L		07/09/24 10:02	07/10/24 19:34	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:34	1
Boron	3.6		0.25		mg/L		07/12/24 08:45	07/15/24 11:15	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 19:34	1
Calcium	45		0.20		mg/L		07/09/24 10:02	07/10/24 19:34	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 19:34	1
Cobalt	0.0021		0.0010		mg/L		07/09/24 10:02	07/10/24 19:34	1
Lead	0.00084		0.00050		mg/L		07/09/24 10:02	07/10/24 19:34	1
Lithium	0.011		0.010		mg/L		07/09/24 10:02	07/10/24 19:34	1
Molybdenum	0.27		0.0050		mg/L		07/09/24 10:02	07/10/24 19:34	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 19:34	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 10:02	07/10/24 19:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	910		10		mg/L			07/03/24 01:48	1
Chloride (SM 4500 Cl- E)	96		10		mg/L			07/03/24 11:31	5
Fluoride (SM 4500 F C)	1.1		0.10		mg/L			07/11/24 11:19	1
Sulfate (SM 4500 SO4 E)	400		50		mg/L			07/07/24 15:54	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	116.86				ft			06/28/24 09:50	1
Depth to Water (ft from MP)	119.34				ft			06/28/24 09:50	1
Elevation of well (ft from MP)	621.84				ft			06/28/24 09:50	1
Field pH	7.28				SU			06/28/24 09:50	1
Field Temperature	64.9				Degrees F			06/28/24 09:50	1
Ground Water Elevation	502.50				ft			06/28/24 09:50	1
Specific Conductance	1339				umhos/cm			06/28/24 09:50	1
Well bottom elevation	451.46				ft			06/28/24 09:50	1
Field Turbidity	56.70				NTU			06/28/24 09:50	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T09S

Lab Sample ID: 500-252337-22

Date Collected: 06/28/24 11:58

Matrix: Water

Date Received: 06/28/24 15:50

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		07/09/24 10:02	07/10/24 19:37	1
Arsenic	0.0054		0.0010		mg/L		07/09/24 10:02	07/10/24 19:37	1
Barium	0.061		0.0025		mg/L		07/09/24 10:02	07/10/24 19:37	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:37	1
Boron	4.2		0.25		mg/L		07/12/24 08:45	07/15/24 11:17	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 19:37	1
Calcium	130		0.20		mg/L		07/09/24 10:02	07/10/24 19:37	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 19:37	1
Cobalt	0.0017		0.0010		mg/L		07/09/24 10:02	07/10/24 19:37	1
Lead	0.0011		0.00050		mg/L		07/09/24 10:02	07/10/24 19:37	1
Lithium	0.078		0.010		mg/L		07/09/24 10:02	07/10/24 19:37	1
Molybdenum	0.64		0.0050		mg/L		07/09/24 10:02	07/10/24 19:37	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 19:37	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 10:02	07/10/24 19:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	890		10		mg/L			07/03/24 01:55	1
Chloride (SM 4500 Cl- E)	58		4.0		mg/L			07/03/24 11:31	2
Fluoride (SM 4500 F C)	0.31		0.10		mg/L			07/11/24 11:24	1
Sulfate (SM 4500 SO4 E)	350		50		mg/L			07/07/24 15:54	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	101.27				ft			06/28/24 11:58	1
Depth to Water (ft from MP)	103.67				ft			06/28/24 11:58	1
Elevation of well (ft from MP)	603.48				ft			06/28/24 11:58	1
Field pH	7.29				SU			06/28/24 11:58	1
Field Temperature	59.2				Degrees F			06/28/24 11:58	1
Ground Water Elevation	499.81				ft			06/28/24 11:58	1
Specific Conductance	1140				umhos/cm			06/28/24 11:58	1
Well bottom elevation	444.80				ft			06/28/24 11:58	1
Field Turbidity	216.00				NTU			06/28/24 11:58	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T11S

Lab Sample ID: 500-252337-23

Date Collected: 06/28/24 13:29

Matrix: Water

Date Received: 06/28/24 15:50

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		07/09/24 10:02	07/10/24 19:39	1
Arsenic	0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:39	1
Barium	0.041		0.0025		mg/L		07/09/24 10:02	07/10/24 19:39	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:39	1
Boron	0.19		0.050		mg/L		07/12/24 08:45	07/15/24 11:19	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 19:39	1
Calcium	110		0.20		mg/L		07/09/24 10:02	07/10/24 19:39	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 19:39	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:39	1
Lead	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 19:39	1
Lithium	0.019		0.010		mg/L		07/09/24 10:02	07/10/24 19:39	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 19:39	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 19:39	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 10:02	07/10/24 19:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	670		10		mg/L			07/03/24 02:01	1
Chloride (SM 4500 Cl- E)	36		2.0		mg/L			07/03/24 11:11	1
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			07/11/24 11:39	1
Sulfate (SM 4500 SO4 E)	200		25		mg/L			07/07/24 15:42	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	57.45				ft			06/28/24 13:29	1
Depth to Water (ft from MP)	60.19				ft			06/28/24 13:29	1
Elevation of well (ft from MP)	559.48				ft			06/28/24 13:29	1
Field pH	7.50				SU			06/28/24 13:29	1
Field Temperature	64.8				Degrees F			06/28/24 13:29	1
Ground Water Elevation	499.29				ft			06/28/24 13:29	1
Specific Conductance	890				umhos/cm			06/28/24 13:29	1
Well bottom elevation	445.60				ft			06/28/24 13:29	1
Field Turbidity	61.40				NTU			06/28/24 13:29	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Qualifiers

Metals

Qualifier	Qualifier Description
^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.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Metals

Prep Batch: 775705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	7470A	
500-252337-2	G30S	Total/NA	Water	7470A	
500-252337-3	R08S	Total/NA	Water	7470A	
500-252337-4	DUP of R08S	Total/NA	Water	7470A	
500-252337-5	G33S	Total/NA	Water	7470A	
500-252337-6	G46S	Total/NA	Water	7470A	
500-252337-7	T12S	Total/NA	Water	7470A	
500-252337-8	G48S	Total/NA	Water	7470A	
500-252337-9	G47S	Total/NA	Water	7470A	
500-252337-10	T13S	Total/NA	Water	7470A	
500-252337-11	T03S	Total/NA	Water	7470A	
500-252337-12	G44S	Total/NA	Water	7470A	
500-252337-13	G39S	Total/NA	Water	7470A	
500-252337-14	R32S	Total/NA	Water	7470A	
500-252337-15	G45S	Total/NA	Water	7470A	
500-252337-16	G31S	Total/NA	Water	7470A	
500-252337-17	T02S	Total/NA	Water	7470A	
500-252337-18	T08S	Total/NA	Water	7470A	
500-252337-19	T06S	Total/NA	Water	7470A	
500-252337-20	T05S	Total/NA	Water	7470A	
MB 500-775705/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-775705/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-252337-10 MS	T13S	Total/NA	Water	7470A	
500-252337-10 MSD	T13S	Total/NA	Water	7470A	
500-252337-10 DU	T13S	Total/NA	Water	7470A	

Prep Batch: 775706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	7470A	
500-252337-22	T09S	Total/NA	Water	7470A	
500-252337-23	T11S	Total/NA	Water	7470A	
MB 500-775706/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-775706/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 775862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total Recoverable	Water	3005A	
500-252337-22	T09S	Total Recoverable	Water	3005A	
500-252337-23	T11S	Total Recoverable	Water	3005A	
MB 500-775862/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-775862/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 775890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	7470A	775705
500-252337-2	G30S	Total/NA	Water	7470A	775705
500-252337-3	R08S	Total/NA	Water	7470A	775705
500-252337-4	DUP of R08S	Total/NA	Water	7470A	775705
500-252337-5	G33S	Total/NA	Water	7470A	775705
500-252337-6	G46S	Total/NA	Water	7470A	775705
500-252337-7	T12S	Total/NA	Water	7470A	775705

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QC Association Summary

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Metals (Continued)

Analysis Batch: 775890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-8	G48S	Total/NA	Water	7470A	775705
500-252337-9	G47S	Total/NA	Water	7470A	775705
500-252337-10	T13S	Total/NA	Water	7470A	775705
500-252337-11	T03S	Total/NA	Water	7470A	775705
500-252337-12	G44S	Total/NA	Water	7470A	775705
500-252337-13	G39S	Total/NA	Water	7470A	775705
500-252337-14	R32S	Total/NA	Water	7470A	775705
500-252337-15	G45S	Total/NA	Water	7470A	775705
500-252337-16	G31S	Total/NA	Water	7470A	775705
500-252337-17	T02S	Total/NA	Water	7470A	775705
500-252337-18	T08S	Total/NA	Water	7470A	775705
500-252337-19	T06S	Total/NA	Water	7470A	775705
500-252337-20	T05S	Total/NA	Water	7470A	775705
500-252337-21	T01S	Total/NA	Water	7470A	775706
500-252337-22	T09S	Total/NA	Water	7470A	775706
500-252337-23	T11S	Total/NA	Water	7470A	775706
MB 500-775705/12-A	Method Blank	Total/NA	Water	7470A	775705
MB 500-775706/12-A	Method Blank	Total/NA	Water	7470A	775706
LCS 500-775705/13-A	Lab Control Sample	Total/NA	Water	7470A	775705
LCS 500-775706/13-A	Lab Control Sample	Total/NA	Water	7470A	775706
500-252337-10 MS	T13S	Total/NA	Water	7470A	775705
500-252337-10 MSD	T13S	Total/NA	Water	7470A	775705
500-252337-10 DU	T13S	Total/NA	Water	7470A	775705

Prep Batch: 776059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total Recoverable	GW	3005A	
500-252337-2	G30S	Total Recoverable	Water	3005A	
500-252337-3	R08S	Total Recoverable	Water	3005A	
500-252337-4	DUP of R08S	Total Recoverable	Water	3005A	
500-252337-5	G33S	Total Recoverable	Water	3005A	
500-252337-6	G46S	Total Recoverable	Water	3005A	
500-252337-7	T12S	Total Recoverable	Water	3005A	
500-252337-8	G48S	Total Recoverable	Water	3005A	
500-252337-9	G47S	Total Recoverable	Water	3005A	
500-252337-10	T13S	Total Recoverable	Water	3005A	
500-252337-11	T03S	Total Recoverable	Water	3005A	
500-252337-12	G44S	Total Recoverable	Water	3005A	
500-252337-13	G39S	Total Recoverable	Water	3005A	
500-252337-14	R32S	Total Recoverable	Water	3005A	
MB 500-776059/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-776059/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-252337-1 MS	G20S	Total Recoverable	GW	3005A	
500-252337-1 MSD	G20S	Total Recoverable	GW	3005A	
500-252337-1 DU	G20S	Total Recoverable	GW	3005A	

Analysis Batch: 776195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total Recoverable	GW	6020B	776059
500-252337-2	G30S	Total Recoverable	Water	6020B	776059
500-252337-3	R08S	Total Recoverable	Water	6020B	776059

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QC Association Summary

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Metals (Continued)

Analysis Batch: 776195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-4	DUP of R08S	Total Recoverable	Water	6020B	776059
500-252337-5	G33S	Total Recoverable	Water	6020B	776059
500-252337-6	G46S	Total Recoverable	Water	6020B	776059
500-252337-7	T12S	Total Recoverable	Water	6020B	776059
500-252337-8	G48S	Total Recoverable	Water	6020B	776059
500-252337-9	G47S	Total Recoverable	Water	6020B	776059
500-252337-10	T13S	Total Recoverable	Water	6020B	776059
500-252337-11	T03S	Total Recoverable	Water	6020B	776059
500-252337-12	G44S	Total Recoverable	Water	6020B	776059
500-252337-13	G39S	Total Recoverable	Water	6020B	776059
500-252337-14	R32S	Total Recoverable	Water	6020B	776059
500-252337-21	T01S	Total Recoverable	Water	6020B	775862
500-252337-22	T09S	Total Recoverable	Water	6020B	775862
500-252337-23	T11S	Total Recoverable	Water	6020B	775862
MB 500-775862/1-A	Method Blank	Total Recoverable	Water	6020B	775862
MB 500-776059/1-A	Method Blank	Total Recoverable	Water	6020B	776059
LCS 500-775862/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775862
LCS 500-776059/2-A	Lab Control Sample	Total Recoverable	Water	6020B	776059
500-252337-1 MS	G20S	Total Recoverable	GW	6020B	776059
500-252337-1 MSD	G20S	Total Recoverable	GW	6020B	776059
500-252337-1 DU	G20S	Total Recoverable	GW	6020B	776059

Prep Batch: 776400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total Recoverable	GW	3005A	
500-252337-2	G30S	Total Recoverable	Water	3005A	
500-252337-3	R08S	Total Recoverable	Water	3005A	
500-252337-4	DUP of R08S	Total Recoverable	Water	3005A	
500-252337-5	G33S	Total Recoverable	Water	3005A	
500-252337-6	G46S	Total Recoverable	Water	3005A	
500-252337-7	T12S	Total Recoverable	Water	3005A	
500-252337-8	G48S	Total Recoverable	Water	3005A	
500-252337-9	G47S	Total Recoverable	Water	3005A	
500-252337-10	T13S	Total Recoverable	Water	3005A	
500-252337-11	T03S	Total Recoverable	Water	3005A	
500-252337-12	G44S	Total Recoverable	Water	3005A	
500-252337-13	G39S	Total Recoverable	Water	3005A	
500-252337-14	R32S	Total Recoverable	Water	3005A	
500-252337-15	G45S	Total Recoverable	Water	3005A	
500-252337-16	G31S	Total Recoverable	Water	3005A	
500-252337-17	T02S	Total Recoverable	Water	3005A	
500-252337-18	T08S	Total Recoverable	Water	3005A	
500-252337-19	T06S	Total Recoverable	Water	3005A	
500-252337-20	T05S	Total Recoverable	Water	3005A	
MB 500-776400/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-776400/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-252337-2 MS	G30S	Total Recoverable	Water	3005A	
500-252337-2 MSD	G30S	Total Recoverable	Water	3005A	
500-252337-2 DU	G30S	Total Recoverable	Water	3005A	

QC Association Summary

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Metals

Prep Batch: 776401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total Recoverable	Water	3005A	
500-252337-22	T09S	Total Recoverable	Water	3005A	
500-252337-23	T11S	Total Recoverable	Water	3005A	
MB 500-776401/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-776401/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 776631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total Recoverable	GW	6020B	776400
500-252337-2	G30S	Total Recoverable	Water	6020B	776400
MB 500-776400/1-A	Method Blank	Total Recoverable	Water	6020B	776400
MB 500-776401/1-A	Method Blank	Total Recoverable	Water	6020B	776401
LCS 500-776400/2-A	Lab Control Sample	Total Recoverable	Water	6020B	776400
LCS 500-776401/2-A	Lab Control Sample	Total Recoverable	Water	6020B	776401
500-252337-2 MS	G30S	Total Recoverable	Water	6020B	776400
500-252337-2 MSD	G30S	Total Recoverable	Water	6020B	776400
500-252337-2 DU	G30S	Total Recoverable	Water	6020B	776400

Analysis Batch: 776748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-3	R08S	Total Recoverable	Water	6020B	776400
500-252337-4	DUP of R08S	Total Recoverable	Water	6020B	776400
500-252337-5	G33S	Total Recoverable	Water	6020B	776400
500-252337-6	G46S	Total Recoverable	Water	6020B	776400
500-252337-7	T12S	Total Recoverable	Water	6020B	776400
500-252337-8	G48S	Total Recoverable	Water	6020B	776400
500-252337-9	G47S	Total Recoverable	Water	6020B	776400
500-252337-10	T13S	Total Recoverable	Water	6020B	776400
500-252337-11	T03S	Total Recoverable	Water	6020B	776400
500-252337-12	G44S	Total Recoverable	Water	6020B	776400
500-252337-13	G39S	Total Recoverable	Water	6020B	776400
500-252337-14	R32S	Total Recoverable	Water	6020B	776400
500-252337-15	G45S	Total Recoverable	Water	6020B	776400
500-252337-16	G31S	Total Recoverable	Water	6020B	776400
500-252337-17	T02S	Total Recoverable	Water	6020B	776400
500-252337-18	T08S	Total Recoverable	Water	6020B	776400
500-252337-19	T06S	Total Recoverable	Water	6020B	776400
500-252337-20	T05S	Total Recoverable	Water	6020B	776400
500-252337-21	T01S	Total Recoverable	Water	6020B	776401
500-252337-22	T09S	Total Recoverable	Water	6020B	776401
500-252337-23	T11S	Total Recoverable	Water	6020B	776401

Analysis Batch: 776761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-15	G45S	Total Recoverable	Water	6020B	776400
500-252337-16	G31S	Total Recoverable	Water	6020B	776400
500-252337-19	T06S	Total Recoverable	Water	6020B	776400

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

General Chemistry

Analysis Batch: 773324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	SM 4500 CI- E	
MB 500-773324/67	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-773324/68	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 773523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-2	G30S	Total/NA	Water	SM 4500 CI- E	
500-252337-3	R08S	Total/NA	Water	SM 4500 CI- E	
500-252337-4	DUP of R08S	Total/NA	Water	SM 4500 CI- E	
500-252337-5	G33S	Total/NA	Water	SM 4500 CI- E	
MB 500-773523/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-773523/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 773545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	SM 2540C	
500-252337-2	G30S	Total/NA	Water	SM 2540C	
500-252337-3	R08S	Total/NA	Water	SM 2540C	
500-252337-4	DUP of R08S	Total/NA	Water	SM 2540C	
500-252337-5	G33S	Total/NA	Water	SM 2540C	
500-252337-6	G46S	Total/NA	Water	SM 2540C	
500-252337-7	T12S	Total/NA	Water	SM 2540C	
500-252337-8	G48S	Total/NA	Water	SM 2540C	
500-252337-9	G47S	Total/NA	Water	SM 2540C	
500-252337-10	T13S	Total/NA	Water	SM 2540C	
MB 500-773545/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-773545/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 773814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-11	T03S	Total/NA	Water	SM 2540C	
500-252337-12	G44S	Total/NA	Water	SM 2540C	
500-252337-13	G39S	Total/NA	Water	SM 2540C	
MB 500-773814/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-773814/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 773841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-6	G46S	Total/NA	Water	SM 4500 CI- E	
500-252337-7	T12S	Total/NA	Water	SM 4500 CI- E	
500-252337-8	G48S	Total/NA	Water	SM 4500 CI- E	
500-252337-9	G47S	Total/NA	Water	SM 4500 CI- E	
500-252337-10	T13S	Total/NA	Water	SM 4500 CI- E	
500-252337-11	T03S	Total/NA	Water	SM 4500 CI- E	
500-252337-12	G44S	Total/NA	Water	SM 4500 CI- E	
500-252337-13	G39S	Total/NA	Water	SM 4500 CI- E	
500-252337-14	R32S	Total/NA	Water	SM 4500 CI- E	
500-252337-15	G45S	Total/NA	Water	SM 4500 CI- E	
500-252337-16	G31S	Total/NA	Water	SM 4500 CI- E	
MB 500-773841/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-773841/17	Lab Control Sample	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 2Q24

Job ID: 500-252337-1

General Chemistry (Continued)

Analysis Batch: 773841 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-773841/65	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-252337-7 MS	T12S	Total/NA	Water	SM 4500 CI- E	
500-252337-7 MSD	T12S	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 774273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	SM 4500 SO4 E	
500-252337-2	G30S	Total/NA	Water	SM 4500 SO4 E	
500-252337-3	R08S	Total/NA	Water	SM 4500 SO4 E	
500-252337-4	DUP of R08S	Total/NA	Water	SM 4500 SO4 E	
500-252337-5	G33S	Total/NA	Water	SM 4500 SO4 E	
500-252337-6	G46S	Total/NA	Water	SM 4500 SO4 E	
500-252337-7	T12S	Total/NA	Water	SM 4500 SO4 E	
500-252337-8	G48S	Total/NA	Water	SM 4500 SO4 E	
500-252337-9	G47S	Total/NA	Water	SM 4500 SO4 E	
500-252337-10	T13S	Total/NA	Water	SM 4500 SO4 E	
500-252337-11	T03S	Total/NA	Water	SM 4500 SO4 E	
500-252337-12	G44S	Total/NA	Water	SM 4500 SO4 E	
500-252337-13	G39S	Total/NA	Water	SM 4500 SO4 E	
500-252337-14	R32S	Total/NA	Water	SM 4500 SO4 E	
500-252337-15	G45S	Total/NA	Water	SM 4500 SO4 E	
500-252337-16	G31S	Total/NA	Water	SM 4500 SO4 E	
500-252337-17	T02S	Total/NA	Water	SM 4500 SO4 E	
500-252337-18	T08S	Total/NA	Water	SM 4500 SO4 E	
MB 500-774273/118	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-774273/169	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774273/119	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774273/170	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-252337-4 MS	DUP of R08S	Total/NA	Water	SM 4500 SO4 E	
500-252337-4 MSD	DUP of R08S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 774406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-14	R32S	Total/NA	Water	SM 2540C	
500-252337-15	G45S	Total/NA	Water	SM 2540C	
500-252337-16	G31S	Total/NA	Water	SM 2540C	
500-252337-17	T02S	Total/NA	Water	SM 2540C	
500-252337-18	T08S	Total/NA	Water	SM 2540C	
500-252337-19	T06S	Total/NA	Water	SM 2540C	
500-252337-20	T05S	Total/NA	Water	SM 2540C	
MB 500-774406/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-774406/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-252337-14 MS	R32S	Total/NA	Water	SM 2540C	
500-252337-14 DU	R32S	Total/NA	Water	SM 2540C	
500-252337-15 DU	G45S	Total/NA	Water	SM 2540C	

Analysis Batch: 774848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-17	T02S	Total/NA	Water	SM 4500 CI- E	
500-252337-18	T08S	Total/NA	Water	SM 4500 CI- E	
500-252337-19	T06S	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 2Q24

Job ID: 500-252337-1

General Chemistry (Continued)

Analysis Batch: 774848 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-20	T05S	Total/NA	Water	SM 4500 Cl- E	
MB 500-774848/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-774848/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 774850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-19	T06S	Total/NA	Water	SM 4500 SO4 E	
500-252337-20	T05S	Total/NA	Water	SM 4500 SO4 E	
MB 500-774850/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774850/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 775207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	SM 2540C	
500-252337-22	T09S	Total/NA	Water	SM 2540C	
500-252337-23	T11S	Total/NA	Water	SM 2540C	
MB 500-775207/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-775207/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-252337-21 MS	T01S	Total/NA	Water	SM 2540C	
500-252337-21 DU	T01S	Total/NA	Water	SM 2540C	
500-252337-22 DU	T09S	Total/NA	Water	SM 2540C	

Analysis Batch: 775348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	SM 4500 Cl- E	
500-252337-22	T09S	Total/NA	Water	SM 4500 Cl- E	
500-252337-23	T11S	Total/NA	Water	SM 4500 Cl- E	
MB 500-775348/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-775348/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 775601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	SM 4500 SO4 E	
500-252337-22	T09S	Total/NA	Water	SM 4500 SO4 E	
500-252337-23	T11S	Total/NA	Water	SM 4500 SO4 E	
MB 500-775601/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-775601/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 776165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	SM 4500 F C	
500-252337-2	G30S	Total/NA	Water	SM 4500 F C	
500-252337-3	R08S	Total/NA	Water	SM 4500 F C	
500-252337-4	DUP of R08S	Total/NA	Water	SM 4500 F C	
500-252337-5	G33S	Total/NA	Water	SM 4500 F C	
500-252337-6	G46S	Total/NA	Water	SM 4500 F C	
500-252337-7	T12S	Total/NA	Water	SM 4500 F C	
500-252337-8	G48S	Total/NA	Water	SM 4500 F C	
500-252337-9	G47S	Total/NA	Water	SM 4500 F C	
500-252337-10	T13S	Total/NA	Water	SM 4500 F C	
500-252337-11	T03S	Total/NA	Water	SM 4500 F C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

General Chemistry (Continued)

Analysis Batch: 776165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-12	G44S	Total/NA	Water	SM 4500 F C	
500-252337-13	G39S	Total/NA	Water	SM 4500 F C	
500-252337-14	R32S	Total/NA	Water	SM 4500 F C	
MB 500-776165/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-776165/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-252337-14 MS	R32S	Total/NA	Water	SM 4500 F C	
500-252337-14 MSD	R32S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 776311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-15	G45S	Total/NA	Water	SM 4500 F C	
500-252337-16	G31S	Total/NA	Water	SM 4500 F C	
500-252337-17	T02S	Total/NA	Water	SM 4500 F C	
500-252337-18	T08S	Total/NA	Water	SM 4500 F C	
500-252337-19	T06S	Total/NA	Water	SM 4500 F C	
500-252337-20	T05S	Total/NA	Water	SM 4500 F C	
500-252337-21	T01S	Total/NA	Water	SM 4500 F C	
500-252337-22	T09S	Total/NA	Water	SM 4500 F C	
500-252337-23	T11S	Total/NA	Water	SM 4500 F C	
MB 500-776311/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-776311/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 773151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	Field Sampling	
500-252337-2	G30S	Total/NA	Water	Field Sampling	
500-252337-3	R08S	Total/NA	Water	Field Sampling	
500-252337-4	DUP of R08S	Total/NA	Water	Field Sampling	
500-252337-5	G33S	Total/NA	Water	Field Sampling	
500-252337-6	G46S	Total/NA	Water	Field Sampling	
500-252337-7	T12S	Total/NA	Water	Field Sampling	
500-252337-8	G48S	Total/NA	Water	Field Sampling	
500-252337-9	G47S	Total/NA	Water	Field Sampling	
500-252337-10	T13S	Total/NA	Water	Field Sampling	
500-252337-11	T03S	Total/NA	Water	Field Sampling	
500-252337-12	G44S	Total/NA	Water	Field Sampling	
500-252337-13	G39S	Total/NA	Water	Field Sampling	
500-252337-14	R32S	Total/NA	Water	Field Sampling	
500-252337-15	G45S	Total/NA	Water	Field Sampling	
500-252337-16	G31S	Total/NA	Water	Field Sampling	
500-252337-17	T02S	Total/NA	Water	Field Sampling	
500-252337-18	T08S	Total/NA	Water	Field Sampling	
500-252337-19	T06S	Total/NA	Water	Field Sampling	
500-252337-20	T05S	Total/NA	Water	Field Sampling	
500-252337-21	T01S	Total/NA	Water	Field Sampling	
500-252337-22	T09S	Total/NA	Water	Field Sampling	
500-252337-23	T11S	Total/NA	Water	Field Sampling	

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-775862/1-A
Matrix: Water
Analysis Batch: 776195

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 775862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 10:02	07/10/24 16:45	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 16:45	1
Barium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 16:45	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 16:45	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 16:45	1
Calcium	<0.20		0.20		mg/L		07/09/24 10:02	07/10/24 16:45	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 16:45	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 16:45	1
Lead	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 16:45	1
Lithium	<0.010		0.010		mg/L		07/09/24 10:02	07/10/24 16:45	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 16:45	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 16:45	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 10:02	07/10/24 16:45	1

Lab Sample ID: LCS 500-775862/2-A
Matrix: Water
Analysis Batch: 776195

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 775862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.524		mg/L		105	80 - 120
Arsenic	0.100	0.0997		mg/L		100	80 - 120
Barium	0.500	0.514		mg/L		103	80 - 120
Beryllium	0.0500	0.0531		mg/L		106	80 - 120
Cadmium	0.0500	0.0519		mg/L		104	80 - 120
Calcium	10.0	8.38		mg/L		84	80 - 120
Chromium	0.200	0.210		mg/L		105	80 - 120
Cobalt	0.500	0.525		mg/L		105	80 - 120
Lead	0.100	0.106		mg/L		106	80 - 120
Lithium	0.100	0.105		mg/L		105	80 - 120
Molybdenum	1.00	0.997		mg/L		100	80 - 120
Selenium	0.100	0.0980		mg/L		98	80 - 120
Thallium	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: MB 500-776059/1-A
Matrix: Water
Analysis Batch: 776195

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/10/24 10:34	07/10/24 18:12	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:12	1
Barium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:12	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:12	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:12	1
Calcium	<0.20		0.20		mg/L		07/10/24 10:34	07/10/24 18:12	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:12	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:12	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:12	1
Lithium	<0.010		0.010		mg/L		07/10/24 10:34	07/10/24 18:12	1
Molybdenum	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:12	1

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QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: MB 500-776059/1-A
Matrix: Water
Analysis Batch: 776195

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:12	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:12	1

Lab Sample ID: LCS 500-776059/2-A
Matrix: Water
Analysis Batch: 776195

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.514		mg/L		103	80 - 120
Arsenic	0.100	0.0974		mg/L		97	80 - 120
Barium	0.500	0.511		mg/L		102	80 - 120
Beryllium	0.0500	0.0516		mg/L		103	80 - 120
Cadmium	0.0500	0.0509		mg/L		102	80 - 120
Calcium	10.0	8.14		mg/L		81	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Lithium	0.100	0.105		mg/L		105	80 - 120
Molybdenum	1.00	0.971		mg/L		97	80 - 120
Selenium	0.100	0.0964		mg/L		96	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: 500-252337-1 MS
Matrix: GW
Analysis Batch: 776195

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.529		mg/L		106	75 - 125
Arsenic	0.0013		0.100	0.101		mg/L		100	75 - 125
Barium	0.044		0.500	0.559		mg/L		103	75 - 125
Beryllium	<0.0010		0.0500	0.0507		mg/L		101	75 - 125
Cadmium	<0.00050		0.0500	0.0511		mg/L		102	75 - 125
Calcium	56		10.0	69.0	4	mg/L		130	75 - 125
Chromium	<0.0050		0.200	0.201		mg/L		100	75 - 125
Cobalt	<0.0010		0.500	0.519		mg/L		104	75 - 125
Lead	<0.00050		0.100	0.105		mg/L		104	75 - 125
Lithium	0.037		0.100	0.139		mg/L		101	75 - 125
Molybdenum	0.015		1.00	1.02		mg/L		100	75 - 125
Selenium	<0.0025		0.100	0.0978		mg/L		98	75 - 125
Thallium	<0.0020		0.100	0.105		mg/L		105	75 - 125

Lab Sample ID: 500-252337-1 MSD
Matrix: GW
Analysis Batch: 776195

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.523		mg/L		104	75 - 125	1	20
Arsenic	0.0013		0.100	0.101		mg/L		100	75 - 125	0	20
Barium	0.044		0.500	0.550		mg/L		101	75 - 125	2	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: 500-252337-1 MSD
Matrix: GW
Analysis Batch: 776195

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.0010		0.0500	0.0510		mg/L		102	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0506		mg/L		101	75 - 125	1	20
Calcium	56		10.0	66.7	4	mg/L		108	75 - 125	3	20
Chromium	<0.0050		0.200	0.201		mg/L		100	75 - 125	0	20
Cobalt	<0.0010		0.500	0.519		mg/L		104	75 - 125	0	20
Lead	<0.00050		0.100	0.105		mg/L		104	75 - 125	0	20
Lithium	0.037		0.100	0.139		mg/L		101	75 - 125	0	20
Molybdenum	0.015		1.00	1.02		mg/L		100	75 - 125	0	20
Selenium	<0.0025		0.100	0.0970		mg/L		97	75 - 125	1	20
Thallium	<0.0020		0.100	0.107		mg/L		107	75 - 125	1	20

Lab Sample ID: 500-252337-1 DU
Matrix: GW
Analysis Batch: 776195

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0013		0.00132		mg/L		3	20
Barium	0.044		0.0444		mg/L		0.4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	56		56.2		mg/L		0.4	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	0.037		0.0372		mg/L		0.4	20
Molybdenum	0.015		0.0145		mg/L		0.5	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: MB 500-776400/1-A
Matrix: Water
Analysis Batch: 776631

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 776400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		07/12/24 08:45	07/12/24 16:13	1

Lab Sample ID: LCS 500-776400/2-A
Matrix: Water
Analysis Batch: 776631

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 776400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.967		mg/L		97	80 - 120

Lab Sample ID: 500-252337-2 MS
Matrix: Water
Analysis Batch: 776631

Client Sample ID: G30S
Prep Type: Total Recoverable
Prep Batch: 776400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	5.1		1.00	5.73	4	mg/L		59	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 500-252337-2 MSD
Matrix: Water
Analysis Batch: 776631

Client Sample ID: G30S
Prep Type: Total Recoverable
Prep Batch: 776400

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	5.1		1.00	5.87	4	mg/L		72	75 - 125	2	20

Lab Sample ID: 500-252337-2 DU
Matrix: Water
Analysis Batch: 776631

Client Sample ID: G30S
Prep Type: Total Recoverable
Prep Batch: 776400

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	5.1		5.05		mg/L		2	20

Lab Sample ID: MB 500-776401/1-A
Matrix: Water
Analysis Batch: 776631

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 776401

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		07/12/24 08:45	07/12/24 16:17	1

Lab Sample ID: LCS 500-776401/2-A
Matrix: Water
Analysis Batch: 776631

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 776401

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.02		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-775705/12-A
Matrix: Water
Analysis Batch: 775890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 775705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:15	1

Lab Sample ID: LCS 500-775705/13-A
Matrix: Water
Analysis Batch: 775890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 775705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00198		mg/L		99	80 - 120

Lab Sample ID: 500-252337-10 MS
Matrix: Water
Analysis Batch: 775890

Client Sample ID: T13S
Prep Type: Total/NA
Prep Batch: 775705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.00125		mg/L		125	75 - 125

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: 500-252337-10 MSD
 Matrix: Water
 Analysis Batch: 775890

Client Sample ID: T13S
 Prep Type: Total/NA
 Prep Batch: 775705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.00104		mg/L		104	75 - 125	18	20

Lab Sample ID: 500-252337-10 DU
 Matrix: Water
 Analysis Batch: 775890

Client Sample ID: T13S
 Prep Type: Total/NA
 Prep Batch: 775705

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 500-775706/12-A
 Matrix: Water
 Analysis Batch: 775890

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 775706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:16	1

Lab Sample ID: LCS 500-775706/13-A
 Matrix: Water
 Analysis Batch: 775890

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 775706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00198		mg/L		99	80 - 120

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

Lab Sample ID: MB 500-773545/1
 Matrix: Water
 Analysis Batch: 773545

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/20/24 22:29	1

Lab Sample ID: LCS 500-773545/2
 Matrix: Water
 Analysis Batch: 773545

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

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

Lab Sample ID: MB 500-773814/1
 Matrix: Water
 Analysis Batch: 773814

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/23/24 20:42	1

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: LCS 500-773814/2
Matrix: Water
Analysis Batch: 773814

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	254		mg/L		102	80 - 120

Lab Sample ID: MB 500-774406/1
Matrix: Water
Analysis Batch: 774406

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/26/24 21:53	1

Lab Sample ID: LCS 500-774406/2
Matrix: Water
Analysis Batch: 774406

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	274		mg/L		110	80 - 120

Lab Sample ID: 500-252337-14 MS
Matrix: Water
Analysis Batch: 774406

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	730		250	964		mg/L		94	75 - 125

Lab Sample ID: 500-252337-14 DU
Matrix: Water
Analysis Batch: 774406

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	730		702		mg/L		4	5

Lab Sample ID: 500-252337-15 DU
Matrix: Water
Analysis Batch: 774406

Client Sample ID: G45S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	660		648		mg/L		1	5

Lab Sample ID: MB 500-775207/1
Matrix: Water
Analysis Batch: 775207

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			07/03/24 01:43	1

Lab Sample ID: LCS 500-775207/2
Matrix: Water
Analysis Batch: 775207

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

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

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QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: 500-252337-21 MS
Matrix: Water
Analysis Batch: 775207

Client Sample ID: T01S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	910		250	1140		mg/L		91	75 - 125

Lab Sample ID: 500-252337-21 DU
Matrix: Water
Analysis Batch: 775207

Client Sample ID: T01S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	910		916		mg/L		0.2	5

Lab Sample ID: 500-252337-22 DU
Matrix: Water
Analysis Batch: 775207

Client Sample ID: T09S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	890		864		mg/L		3	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-773324/67
Matrix: Water
Analysis Batch: 773324

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/19/24 12:20	1

Lab Sample ID: LCS 500-773324/68
Matrix: Water
Analysis Batch: 773324

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

Lab Sample ID: MB 500-773523/16
Matrix: Water
Analysis Batch: 773523

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/20/24 10:14	1

Lab Sample ID: LCS 500-773523/17
Matrix: Water
Analysis Batch: 773523

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	19.3		mg/L		96	85 - 115

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: MB 500-773841/16
Matrix: Water
Analysis Batch: 773841

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/23/24 11:20	1

Lab Sample ID: LCS 500-773841/17
Matrix: Water
Analysis Batch: 773841

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: LCS 500-773841/65
Matrix: Water
Analysis Batch: 773841

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

Lab Sample ID: 500-252337-7 MS
Matrix: Water
Analysis Batch: 773841

Client Sample ID: T12S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	74		20.0	91.1		mg/L		84	75 - 125

Lab Sample ID: 500-252337-7 MSD
Matrix: Water
Analysis Batch: 773841

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
Chloride	74		20.0	91.2		mg/L		85	75 - 125	0	20

Lab Sample ID: MB 500-774848/16
Matrix: Water
Analysis Batch: 774848

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/30/24 10:11	1

Lab Sample ID: LCS 500-774848/17
Matrix: Water
Analysis Batch: 774848

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: MB 500-775348/16
Matrix: Water
Analysis Batch: 775348

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			07/03/24 11:10	1

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QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: LCS 500-775348/17
 Matrix: Water
 Analysis Batch: 775348

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	18.9		mg/L		94	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-776165/31
 Matrix: Water
 Analysis Batch: 776165

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			07/10/24 18:53	1

Lab Sample ID: LCS 500-776165/32
 Matrix: Water
 Analysis Batch: 776165

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

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

Lab Sample ID: 500-252337-14 MS
 Matrix: Water
 Analysis Batch: 776165

Client Sample ID: R32S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.30		5.00	5.50		mg/L		104	75 - 125

Lab Sample ID: 500-252337-14 MSD
 Matrix: Water
 Analysis Batch: 776165

Client Sample ID: R32S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Fluoride	0.30		5.00	5.55		mg/L		105	75 - 125	1	20

Lab Sample ID: MB 500-776311/3
 Matrix: Water
 Analysis Batch: 776311

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			07/11/24 10:38	1

Lab Sample ID: LCS 500-776311/4
 Matrix: Water
 Analysis Batch: 776311

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	9.50		mg/L		95	90 - 119

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-774273/118
Matrix: Water
Analysis Batch: 774273

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/25/24 15:16	1

Lab Sample ID: MB 500-774273/169
Matrix: Water
Analysis Batch: 774273

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/25/24 16:06	1

Lab Sample ID: LCS 500-774273/119
Matrix: Water
Analysis Batch: 774273

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

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

Lab Sample ID: LCS 500-774273/170
Matrix: Water
Analysis Batch: 774273

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.3		mg/L		106	88 - 123

Lab Sample ID: 500-252337-4 MS
Matrix: Water
Analysis Batch: 774273

Client Sample ID: DUP of R08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	410		20.0	417	4	mg/L		58	75 - 125

Lab Sample ID: 500-252337-4 MSD
Matrix: Water
Analysis Batch: 774273

Client Sample ID: DUP of R08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	410		20.0	412	4	mg/L		36	75 - 125	1	20

Lab Sample ID: MB 500-774850/16
Matrix: Water
Analysis Batch: 774850

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/30/24 14:22	1

Lab Sample ID: LCS 500-774850/17
Matrix: Water
Analysis Batch: 774850

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	20.7		mg/L		103	88 - 123

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QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-775601/16
Matrix: Water
Analysis Batch: 775601

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			07/07/24 15:24	1

Lab Sample ID: LCS 500-775601/17
Matrix: Water
Analysis Batch: 775601

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.1		mg/L		106	88 - 123

Chain of Custody Record 719231



Environment Testing
America

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: <u>Diann Mockler</u>		Site Contact:		Date:		COC No:	
Company Name: <u>Joliet Midwest Generation EAF</u>		Lab Email:		Lab Contact:		Carrier:		_____ of _____ COCs	
Address:		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N) Perform MS / MSD (Y/N)		500-252337 COC		Sampler: For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____	
City/State/Zip: <u>Joliet, IL</u>									
Phone:		TAT if different from Below _____		Radium 226 Radium 228 Combined 226/228 TDS, FI, CI, SO4 Metals 14 element + Hg		500-252337 COC		Job / SDG No.: <u>252337</u> <u>510-252291</u> <u>SS 6/20/24</u>	
Fax:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Project Name: <u>Joliet #9 CCR</u>									
Site: <u>2024 Gas + Turbidity</u>									
P O #									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:
6 G46S		06/20/24	0919	W	W	5	/	/	
7 T12S		06/20/24	1015	W	W	5	/	/	
8 G48S		06/20/24	1113	W	W	5	/	/	
9 G47S		06/20/24	1306	W	W	5	/	/	
10 T13S		06/20/24	1358	W	W	5	/	/	
<p>Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other</p> <p>Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.</p> <p><input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown</p> <p>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</p> <p>Special Instructions/QC Requirements & Comments: <u>3.6 → 3.2, de 4 → de 0</u></p>									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____		Cofr'd: _____		Therm ID No.:	
Relinquished by: _____		Company: <u>EETA</u>		Date/Time: <u>06/20/24 1500</u>		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EETA</u>	
								Date/Time: <u>6/20/24 1500</u>	


SS 6/20/24

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Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager <i>Diana Mockler</i>		Site Contact		Date		COC No	
Company Name <i>M. West Generation EME LLC</i>		Tel/Email		Lab Contact		Carrier:		_____ of _____ COCs	
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>TDS, Fl, Cl, SO4</i> <i>Metals 14 elements + Hg</i>		 500-252337 COC		Sampler	
City/State/Zip <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only.	
Phone		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client	
Project Name <i>Joliet #9 CR</i>								Lab Sampling	
Site <i>2024 GW + Turbidity</i>								Job / SDG No	
PO#								<i>500-252337</i>	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
<i>T035</i>		<i>06/21/24</i>	<i>0928</i>		<i>W</i>	<i>5</i>			
<i>G445</i>		<i>06/21/24</i>	<i>1026</i>		<i>W</i>	<i>5</i>			
<i>G395</i>		<i>06/21/24</i>	<i>1127</i>		<i>W</i>	<i>5</i>			
<i>R325</i>		<i>06/21/24</i>	<i>1226</i>		<i>W</i>	<i>5</i>			
<i>G455</i>		<i>06/21/24</i>	<i>1346</i>		<i>W</i>	<i>5</i>			
<i>G315</i>		<i>06/21/24</i>	<i>1438</i>		<i>W</i>	<i>5</i>			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					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				
Special Instructions/QC Requirements & Comments: <div style="text-align: right; font-size: 1.2em;"><i>0.6 - 207169 - 220</i></div>									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Cor'd _____		Therm ID No _____			
Relinquished by <i>[Signature]</i>		Company <i>ERDA</i>		Date/Time <i>06/21/24 1618</i>		Received by		Company	
Relinquished by		Company		Date/Time		Received by		Company	
Relinquished by		Company		Date/Time		Received in Laboratory by <i>[Signature]</i>		Company <i>ERDA</i>	
								<i>6/21/24 1618</i>	

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Chain of Custody Record 719233



Environment Testing America

Address _____

Regulatory Program: DW NPDES RCRA Other


TAL-8210

Client Contact	Project Manager Diana Meckler	Site Contact	Date	COC No			
Company Name Midwest Generation EME W	Lab/Email:	Lab Contact:	Carrier:	____ of ____ COCs			
Address	Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS			Sampler			
City/State/Zip Joliet, IL	TAT if different from Below _____			For Lab Use Only			
Phone	<input type="checkbox"/> 2 weeks	<i>Vertical Text: Perform MS/MSD (Y/N), Radium 226, Radium 228, Combined 226/228, TDS, FI, CI, SO4, Metals 14 elements + Hg</i>		Walk-in Client			
Fax	<input type="checkbox"/> 1 week			Lab Sampling			
Project Name Joliet #9 CCR	<input type="checkbox"/> 2 days			Job / SDG No			
Site 2024 GW + Turbidity	<input type="checkbox"/> 1 day			500-252337			
P O #	500-252337 COC			Sample Specific Notes			
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Carrier
T02S	06/24/24	1032		W	5		
T08S	06/24/24	1237		W	5		
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	
Special Instructions/QC Requirements & Comments:							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No	Cooler Temp ("C) Obs'd 3.2	Corr'd 2.9	Therm ID No 48at			
Relinquished by [Signature]	Company EETA	Date/Time 06/24/24 1440	Received by	Company	Date/Time		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time		
Relinquished by	Company	Date/Time	Received in Laboratory by [Signature]	Company EETA	Date/Time 06/24/24 1440		

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Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager <i>Diana Mockler</i>		Site Contact		Date:		COC No	
Company Name <i>Midwest Generation EME LLC</i>		Tel/Email		Lab Contact		Carrier:		_____ of _____ COCs	
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>TDS, Fl, Cl, SO4</i> <i>metals 14 elements + Hg</i>		 500-252337 COC		Sampler	
City/State/Zip <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only	
Phone		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client.	
Fax								Lab Sampling	
Project Name <i>Joliet #9 CCR</i>								Job / SDG No	
Site <i>2Q24 GW + Turbidity</i>								<i>500-252337</i>	
P O #									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
<i>T06S</i>		<i>06/25/24</i>	<i>1207</i>		<i>W</i>	<i>5</i>			
<i>T05S</i>		<i>06/25/24</i>	<i>1352</i>		<i>W</i>	<i>5</i>			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____		Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<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"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd <i>4.7</i> Corr'd <i>4.3</i>		Therm ID No _____			
Relinquished by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>06/25/24 1525</i>		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <i>[Signature]</i>		Company: <i>EETA</i> Date/Time: <i>06/25/24 1525</i>	

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Chain of Custody Record 719234


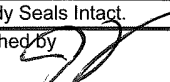


Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: Diana Mockler		Site Contact		Date		COC No	
Company Name: Midwest Generation EME LLC		Tel/Email		Lab Contact		Carrier:		_____ of _____ COCs	
Address		Analysis Turnaround Time		Filtered Sample (Y / N) Perform MS / MSD (Y / N) Radium 226 Radium 228 Combined 226/228 TDS, F, Cl, SO4 Metals 14 elements + Ag		 500-252337 COC		Sampler For Lab Use Only: Walk-in Client Lab Sampling Job / SDG No 337 500-252916 SS 2/1/24	
City/State/Zip: Joliet, IL		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS							
Phone		TAT if different from Below _____							
Fax		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Project Name: Joliet #9 CCR		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
Site: 2224 GW + Turbidity		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
P O #		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
21		04/28/24		0950				W 5	
22		06/28/24		1158				W 5	
23		06/28/24		1329				W 5	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					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				
Special Instructions/QC Requirements & Comments: 36 qt									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd 2.9 Corr'd 2.5		Therm ID No			
Relinquished by: 		Company: EETA		Date/Time: 6/28/24 1550		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: Stephanie Hemondy		Company: EETA Date/Time: 6/28/24 1550	

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM Mockler, Diana J	Carrier Tracking No(s) 500-189678.1
Client Contact Shipping/Receiving Company TestAmerica Laboratories, Inc.		E-Mail Diana.Mockler@et.eurofins.com	Page Page 1 of 1
Address 13715 Rider Trail North, City Earth City State, Zip: MO, 63045		Accreditations Required (See note) NELAP - Illinois	Job # 500-252337-2
Phone 314-298-8566(Tel) 314-298-8757(Fax)		Analysis Requested	Preservation Codes:
TAT Requested (days): 7/22/2024			
PO #		903.0/PreSep_21 Standard Target List	Total Number of Containers
WO #		904.0/PreSep_0 Standard Target List	
Project # 50011504		Field Filtered Sample (Yes or No)	Special Instructions/Note: Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume;
Site NRG Midwest Generation LSQ Joliet #9 CCR		Performance MS/MSD (Yes or No)	
Sample Identification - Client ID (Lab ID)		Matrix (W=water, S=solid, O=oil, BT=Tissue, A=Air)	
G20S (500-252337-1)	Sample Date 6/18/24	Sample Type (C=Comp, G=grab)	
	Sample Time 12:31 Central	Preservation Code:	
		Water	

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>[Signature]</i>	6/19/24		
Relinquished by:	6/19/24	1500	Received by: <i>[Signature]</i> Company: <i>[Signature]</i>
Relinquished by:			Received by: _____ Company: _____
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		

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)		Lab PM Mockler, Diana J	Carrier Tracking No(s) 500-189700.1	
Client Contact Shipping/Receiving		E-Mail Diana.Mockler@eurofins.com	Page Page 1 of 1	
Company TestAmerica Laboratories, Inc.		State of Origin Illinois		Job # 500-252337-1
Address 13715 Rider Trail North.		Accreditations Required (See note) NELAP - Illinois		Preservation Codes:
City Earth City	Due Date Requested: 7/10/2024	Analysis Requested		
State, Zip MO, 63045	TAT Requested (days):			
Phone 314-298-8566(Tel) 314-298-8757(Fax)	PO #			
Email	WO #			
Project Name Joliet #9 (Quarry) CCR 2Q24	Project # 50011504			
Site NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Swab, Gaskets, O-rings, AAR)	Preservation Code:	Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	90.0/PrecSep_21 Standard Target List	90.4/PrecSep_0 Standard Target List	Ra26Ra28_GFPc	Total Number of Containers	Special Instructions/Note:
G30S (500-252337-2)	6/19/24	09:27 Central		Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
R08S (500-252337-3)	6/19/24	11:37 Central		Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
DUP of R08S (500-252337-4)	6/19/24	11:37 Central		Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
G33S (500-252337-5)	6/19/24	13:32 Central		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, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *Ali* Date: *6/20/24* 0820 Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No Cooler Temperature(s) °C and Other Remarks:

Special 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:



Eurofins Chicago

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

Chain of Custody Record



Environment Testing

Sampler:		Lab PI:	Carrier Tracking No(s):									
Client Information (Sub Contract Lab)		Mockler, Diana J	500-189738.1									
Client Contact:		E-Mail:	Page:									
Shipping/Receiving		Diana.Mockler@et.eurofins.com	500-252337-1									
Company:		Accreditations Required (See note):										
TestAmerica Laboratories, Inc.		NELAP - Illinois										
Address:		Preservation Codes:										
13715 Rider Trail North,												
City:		Analysis Requested										
Earth City												
State, Zip:												
MO, 63045												
Phone:												
314-298-8566(Tel) 314-298-8757(Fax)												
Email:												
Project Name:												
Joliet #9 (Quarry) CCR 2024												
Site:												
NRG Midwest Generation LSQ Joliet #9 CCR												
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Sediment, Other)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra26Ra228 GFC	Total Number of Containers	Special Instructions/Note:
G46S (500-252337-6)	6/20/24	09:19 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume;
T12S (500-252337-7)	6/20/24	10:15 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume;
G48S (500-252337-8)	6/20/24	11:13 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume;
G47S (500-252337-9)	6/20/24	13:06 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume;
T13S (500-252337-10)	6/20/24	13:58 Central	Water	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, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification
Unconfirmed

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

Empty Kit Relinquished by: _____ Date: _____ Time: _____
Relinquished by: _____ Date/Time: 6/20/24 1530 Company: _____
Relinquished by: _____ Date/Time: _____ Company: _____
Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No.: _____
Δ Yes Δ No

Received by: _____ Date/Time: _____ Company: _____
Received by: *M. Pinette* Date/Time: JUN 21 2024 0900 Company: _____
Cooler Temperature(s) °C and Other Remarks: _____

Special Instructions/Note: _____

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

Chain of Custody Record



Carrier Tracking No(s): 500-190040.1
 Lab PM: Mockler, Diana J
 State of Origin: Illinois
 Page: Page 1 of 1
 Job #: 500-252337-1
 Preservation Codes:

Client Information (Sub Contract Lab)
 Client Contact: Diana Mockler@et.eurofins.com
 Shipping/Receiving
 Company: TestAmerica Laboratories, Inc.
 Address: 13715 Rider Trail North,
 City: Earth City
 State/Zip: MO, 63045
 Phone: 314-298-8566(Tel) 314-298-8757(Fax)
 Email:
 Project Name: Joliet #9 (Quarry) CCR 2024
 Project #: 50011504
 SSOW#:
 Site: NRG Midwest Generation LSQ Joliet #9 CCR

Due Date Requested: 7/10/2024
 TAT Requested (days):
 PO #:
 WO #:
 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
 R226R228_GFPc
 Total Number of Containers: 3
 Special Instructions/Note:
 Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
 Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
 Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
 Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=leachate, A=AM)	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	R226R228_GFPc	Total Number of Containers	Special Instructions/Note:
T01S (500-252337-21)	6/28/24	09:50 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
T09S (500-252337-22)	6/28/24	11:58 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
T11S (500-252337-23)	6/28/24	13:29 Central	Water	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, 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
 Date: _____
 Received by: *M. Pinette*
 Date/Time: JUL 02 2024 09:00
 Company: _____
 Relinquished by: *Shirley*
 Date/Time: _____
 Company: _____
 Relinquished by: _____
 Date/Time: _____
 Company: _____
 Custody Seal No.: _____
 Custody Seals Intact: Yes No
 Cooler Temperature(s) °C and Other Remarks: _____

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-1

Login Number: 252337

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.4,4.3,3.2,2.0,0.7,2.0,2.8,4.3,2.5
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 2Q24

Job ID: 500-252337-1

Client Sample ID: G20S

Date Collected: 06/18/24 12:31

Date Received: 06/18/24 16:05

Lab Sample ID: 500-252337-1

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:17
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776631	RN	EET CHI	07/12/24 16:21
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:20
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:02
Total/NA	Analysis	SM 4500 CI- E		1	773324	TR	EET CHI	06/19/24 12:21
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:40
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 15:36
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/18/24 12:31

Client Sample ID: G30S

Date Collected: 06/19/24 09:27

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:31
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776631	RN	EET CHI	07/12/24 16:23
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:22
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:05
Total/NA	Analysis	SM 4500 CI- E		5	773523	TR	EET CHI	06/20/24 11:03
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:45
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 15:53
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/19/24 09:27

Client Sample ID: R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:36
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:29
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:24
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:07
Total/NA	Analysis	SM 4500 CI- E		2	773523	TR	EET CHI	06/20/24 11:03
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:50

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-3

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	774273	TR	EET CHI	06/25/24 15:54
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/19/24 11:37

Client Sample ID: DUP of R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:42
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:31
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:26
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:10
Total/NA	Analysis	SM 4500 CI- E		2	773523	TR	EET CHI	06/20/24 11:04
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:55
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 15:54
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/19/24 11:37

Client Sample ID: G33S

Date Collected: 06/19/24 13:32

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:48
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:34
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:32
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:12
Total/NA	Analysis	SM 4500 CI- E		1	773523	TR	EET CHI	06/20/24 10:16
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:00
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 16:06
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/19/24 13:32

Client Sample ID: G46S

Date Collected: 06/20/24 09:19

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:50

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G46S

Date Collected: 06/20/24 09:19

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		20	776748	RN	EET CHI	07/15/24 10:36
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:35
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:15
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:57
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:04
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 16:44
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 09:19

Client Sample ID: T12S

Date Collected: 06/20/24 10:15

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:56
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:38
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:37
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:18
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:57
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:09
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:45
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 10:15

Client Sample ID: G48S

Date Collected: 06/20/24 11:13

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:07
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:40
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:39
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:20
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 13:39
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:14
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:45
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 11:13

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G47S

Date Collected: 06/20/24 13:06

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:11
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:42
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:41
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:23
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 13:40
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:28
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:45
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 13:06

Client Sample ID: T13S

Date Collected: 06/20/24 13:58

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:13
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:44
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:43
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:25
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 12:58
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:33
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:46
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 13:58

Client Sample ID: T03S

Date Collected: 06/21/24 09:28

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:15
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:50
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:51
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:23
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 13:40
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:37

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T03S

Date Collected: 06/21/24 09:28

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-11

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		5	774273	TR	EET CHI	06/25/24 16:23
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 09:28

Client Sample ID: G44S

Date Collected: 06/21/24 10:26

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:17
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:52
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:58
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:25
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 13:40
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:42
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 16:24
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 10:26

Client Sample ID: G39S

Date Collected: 06/21/24 11:27

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:19
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:54
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:00
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:28
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 12:59
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:46
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 16:26
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 11:27

Client Sample ID: R32S

Date Collected: 06/21/24 12:26

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:22

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: R32S

Date Collected: 06/21/24 12:26

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:56
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:02
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 21:58
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 12:59
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:51
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:47
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 12:26

Client Sample ID: G45S

Date Collected: 06/21/24 13:46

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:59
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776761	RN	EET CHI	07/15/24 14:36
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:04
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:05
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 13:41
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 10:50
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 16:47
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 13:46

Client Sample ID: G31S

Date Collected: 06/21/24 14:38

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		5	776748	RN	EET CHI	07/15/24 11:01
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776761	RN	EET CHI	07/15/24 14:38
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:06
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:11
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 13:41
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 10:55
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:46
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 14:38

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T02S

Date Collected: 06/24/24 10:32

Date Received: 06/24/24 14:40

Lab Sample ID: 500-252337-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		5	776748	RN	EET CHI	07/15/24 11:03
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:09
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:13
Total/NA	Analysis	SM 4500 CI- E		5	774848	TR	EET CHI	06/30/24 10:29
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 10:59
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:46
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/24/24 10:32

Client Sample ID: T08S

Date Collected: 06/24/24 12:37

Date Received: 06/24/24 14:40

Lab Sample ID: 500-252337-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 11:05
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:11
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:16
Total/NA	Analysis	SM 4500 CI- E		2	774848	TR	EET CHI	06/30/24 10:30
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:04
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:47
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/24/24 12:37

Client Sample ID: T06S

Date Collected: 06/25/24 12:07

Date Received: 06/25/24 15:25

Lab Sample ID: 500-252337-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 11:07
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776761	RN	EET CHI	07/15/24 14:40
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:13
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:18
Total/NA	Analysis	SM 4500 CI- E		1	774848	TR	EET CHI	06/30/24 10:12
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:09
Total/NA	Analysis	SM 4500 SO4 E		2	774850	TR	EET CHI	06/30/24 14:38
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/25/24 12:07

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T05S

Date Collected: 06/25/24 13:52

Date Received: 06/25/24 15:25

Lab Sample ID: 500-252337-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		20	776748	RN	EET CHI	07/15/24 11:09
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:15
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:21
Total/NA	Analysis	SM 4500 CI- E		5	774848	TR	EET CHI	06/30/24 10:30
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:14
Total/NA	Analysis	SM 4500 SO4 E		20	774850	TR	EET CHI	06/30/24 15:04
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/25/24 13:52

Client Sample ID: T01S

Date Collected: 06/28/24 09:50

Date Received: 06/28/24 15:50

Lab Sample ID: 500-252337-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775862	BDE	EET CHI	07/09/24 10:02 - 07/09/24 16:02 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:34
Total Recoverable	Prep	3005A			776401	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		5	776748	RN	EET CHI	07/15/24 11:15
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:20
Total/NA	Analysis	SM 2540C		1	775207	CLB	EET CHI	07/03/24 01:48
Total/NA	Analysis	SM 4500 CI- E		5	775348	TR	EET CHI	07/03/24 11:31
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:19
Total/NA	Analysis	SM 4500 SO4 E		10	775601	TR	EET CHI	07/07/24 15:54
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/28/24 09:50

Client Sample ID: T09S

Date Collected: 06/28/24 11:58

Date Received: 06/28/24 15:50

Lab Sample ID: 500-252337-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775862	BDE	EET CHI	07/09/24 10:02 - 07/09/24 16:02 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:37
Total Recoverable	Prep	3005A			776401	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		5	776748	RN	EET CHI	07/15/24 11:17
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:22
Total/NA	Analysis	SM 2540C		1	775207	CLB	EET CHI	07/03/24 01:55
Total/NA	Analysis	SM 4500 CI- E		2	775348	TR	EET CHI	07/03/24 11:31
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:24
Total/NA	Analysis	SM 4500 SO4 E		10	775601	TR	EET CHI	07/07/24 15:54
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/28/24 11:58

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T11S

Lab Sample ID: 500-252337-23

Date Collected: 06/28/24 13:29

Matrix: Water

Date Received: 06/28/24 15:50

<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 Recoverable	Prep	3005A			775862	BDE	EET CHI	07/09/24 10:02 - 07/09/24 16:02 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:39
Total Recoverable	Prep	3005A			776401	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 11:19
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:24
Total/NA	Analysis	SM 2540C		1	775207	CLB	EET CHI	07/03/24 02:01
Total/NA	Analysis	SM 4500 Cl- E		1	775348	TR	EET CHI	07/03/24 11:11
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:39
Total/NA	Analysis	SM 4500 SO4 E		5	775601	TR	EET CHI	07/07/24 15:42
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/28/24 13:29

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

Laboratory References:

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



Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 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 #: 600-252337-1

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: 06/18/24 Start Purge: 1213 End Purge: 1231
(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 7.63 7.62 7.62 (std.)
Ref. Measuring Pt. TIC SC 675 679 679 (umhos/cm)
Well Elevation *580.87 (ft./msl) Temp. 35.40 35.40 35.40 (°C)
Water Level 47.65 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 533.22 (ft./msl)

Well Bottom Elevation *442.28 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 86°F, Mostly Cloudy, S winds @ 5-10 mph
Turbidity: 0.80 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 47.65 - 2.78 = 44.87 (ft.)
Levels were taken on 06/18/24 @ 1208

(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 #: 500-252337-2

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

PURGING INFORMATION

Purge Date: 06/19/24 Start Purge: 0909 End Purge: 0927
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.31 (ft) pH 7.84 7.82 7.82 (std.)
Ref. Measuring Pt. TIC SC 1860 1860 1860 (umhos/cm)
Well Elevation *524.86 (ft./msl) Temp. 19.38 19.38 19.38 (°C)
Water Level 1.59 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 523.27 (ft./msl)

Well Bottom Elevation *462.58 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 85°F, Mostly Cloudy, SW winds @ 0-5 mph
Turbidity: 0.26 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.59 - 2.31 = -0.72 (ft.)
Levels were taken on 06/19/24 @ 0904.

(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: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-3

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: 06/19/24 Start Purge: 1122 End Purge: 1137
(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 7.88 7.87 7.87 (std.)
Ref. Measuring Pt. TIC SC 1023 1024 1024 (umhos/cm)
Well Elevation *578.66 (ft./msl) Temp. 16.27 16.16 16.16 (°C)
Water Level 70.04 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 508.62 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 90°F, Sunny, SW winds @ 0-5 mph
Turbidity: 0.40 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 70.04 - 2.55 = 67.49 (ft.)
Levels were taken on 06/19/24 @ 1117

(Updated: 07/14/2022)

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





Environment Testing



Environment Testing
America

Eurofins Chicago

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

Sample ID: R08S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-4

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

PURGING INFORMATION

Purge Date: _____ 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 2.55 (ft) pH _____ (std.)
Ref. Measuring Pt. TIC SC _____ (umhos/cm)
Well Elevation *578.66 (ft./msl) Temp. _____ (°C)
Water Level _____ (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. _____ (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____
Weather Conditions: _____
Turbidity: NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = _____
Levels were taken on _____ @ _____

(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: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-5

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

PURGING INFORMATION

Purge Date: 06/19/24 Start Purge: 1310 End Purge: 1332
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 1.73 (ft) pH 7.56 7.56 7.56 (std.)
Ref. Measuring Pt. TIC SC 484 472 472 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 18.92 18.81 18.81 (°C)
Water Level 35.09 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.58 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 91°F, Partly Sunny, SW winds e 5-10 mph
Turbidity: 4.78 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 35.09 - 1.73 = 33.36 (ft)
Levels were taken on 06/19/24 @ 1305

(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: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-6

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: 06/20/24 Start Purge: 0905 End Purge: 0919
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter	<u>4.0</u>	(inches)	1st	2nd	Final																					
Stick Up	<u>2.70</u>	(ft)	pH	<u>7.28</u>	<u>7.29</u>	<u>7.29</u> (std.)																				
Ref. Measuring Pt.	<u>TIC</u>		SC	<u>1431</u>	<u>1423</u>	<u>1423</u> (umhos/cm)																				
Well Elevation	<u>*601.41</u>	(ft./msl)	Temp.	<u>15.41</u>	<u>15.33</u>	<u>15.33</u> (°C)																				
Water Level	<u>100.40</u>	(ft.)	Well Stabilization / Recharge Grid																							
Ground Water Elev.	<u>501.02</u>	(ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td><td> </td><td> </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><td> </td><td> </td><td> </td></tr> </table>																							
Well Bottom Elevation	<u>*453.62</u>	(ft./msl)																								

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 80°F, Partly Sunny, NE winds @ 0-5 mph
Turbidity: 8.46 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 100.40 - 2.70 = 97.70 (ft.)
Levels were taken on 06/20/24 @ 0900

(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: T12S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-7

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: 06/20/24 Start Purge: 1001 End Purge: 1015
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 8.84 8.82 8.82 (std.)
Ref. Measuring Pt. TIC SC 1136 1128 1128 (umhos/cm)
Well Elevation * 578.74 (ft./msl) Temp. 15.01 14.98 14.98 (°C)
Water Level 74.14 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.60 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan with particles, Moderate Turbidity, No Odor
Weather Conditions: 84°F, Mostly Sunny, E winds @ 0-5 mph
Turbidity: 284.00 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 74.14 - 2.74 = 71.40 (ft.)
Levels were taken on 06/20/24 @ 0956
* 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: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-8

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: 06/20/24 Start Purge: 1055 End Purge: 1113
(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 8.28 8.26 8.26 (std.)
Ref. Measuring Pt. TIC SC 1445 1445 1445 (umhos/cm)
Well Elevation *620.77 (ft./msl) Temp. 21.16 21.04 21.04 (°C)
Water Level 100.73 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 520.04 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 86°F, Sunny, E winds @ 0-5 mph
Turbidity: 0.61 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 100.73 - 2.45 = 98.28 (ft.)
Levels were taken on 06/20/24 @ 1050

(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 #: 500-252337-9

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: 06/20/24 Start Purge: 1246 End Purge: 1306
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.50 (ft) pH 9.31 9.34 9.34 (std.)
Ref. Measuring Pt. TIC SC 1580 1580 1580 (umhos/cm)
Well Elevation *612.23 (ft./msl) Temp. 16.08 16.00 16.00 (°C)
Water Level 91.64 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 520.59 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 90°F, Mostly Cloudy, SE winds @ 0-5 mph
Turbidity: 0.48 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 91.64 - 2.50 = 89.14 (ft.)
Levels were taken on 06/20/24 @ 1241

(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 #: 500-252337-10

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

PURGING INFORMATION

Purge Date: 06/20/24 Start Purge: 1344 End Purge: 1358
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.76 (ft) pH 7.60 7.59 7.59 (std.)
Ref. Measuring Pt. TIC SC 890 892 892 (umhos/cm)
Well Elevation * 525.33 (ft./msl) Temp. 16.61 16.60 16.60 (°C)
Water Level 20.21 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.12 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 92°F, Mostly Cloudy, SW winds @ 0-5 mph
Turbidity: 13.40 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 20.21 - 2.76 = 17.45 (ft.)
Levels were taken on 06/20/24 @ 1339
* 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: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-11

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: 06/21/24 Start Purge: 0914 End Purge: 0928
(2400 Hr. Clock)

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

MEASUREMENTS

Well Diameter	<u>2.0</u>	(inches)	1st	2nd	Final																															
Stick Up	<u>3.08</u>	(ft)	pH	<u>7.28</u>	<u>7.27</u>	<u>7.27</u> (std.)																														
Ref. Measuring Pt.	<u>TIC</u>		SC	<u>1260</u>	<u>1265</u>	<u>1265</u> (umhos/cm)																														
Well Elevation * 629.85		(ft./msl)	Temp.	<u>13.47</u>	<u>13.46</u>	<u>13.46</u> (°C)																														
Water Level	<u>135.86</u>	(ft.)	Well Stabilization / Recharge Grid																																	
Ground Water Elev.	<u>493.99</u>	(ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td></td><td></td><td></td><td></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><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																	
Well Bottom Elevation * 456.70		(ft./msl)																																		

COMMENTS

Sample Appearance/Odor: Colorless, Clear,
Weather Conditions: 85°F, Sunny, S winds @ 0-5 mph
Turbidity: 1.05 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 135.86 - 3.08 = 132.78 (ft)
Levels were taken on 06/21/24 @ 0909.
* Total Depth = 172.95

(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
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-12

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

PURGING INFORMATION

Purge Date: 06/21/24 Start Purge: 1009 End Purge: 1026
(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 2.18 (ft) pH 7.26 7.24 7.24 (std.)
Ref. Measuring Pt. TIC SC 1117 1111 1111 (umhos/cm)
Well Elevation *586.68 (ft./msl) Temp. 16.63 16.72 16.72 (°C)
Water Level 82.35 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.33 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 83°F, Sunny, SW winds e 0-5 mph
Turbidity: 3.52 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 82.35 - 2.18 = 80.17 (ft.)
Levels were taken on 06/21/24 @ 1004

(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 #: 500-252337-13

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: 06/21/24 Start Purge: 1109 End Purge: 1127
(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 7.21 7.19 7.19 (std.)
Ref. Measuring Pt. TIC SC 759 758 758 (umhos/cm)
Well Elevation *598.75 (ft./msl) Temp. 14.52 14.58 14.58 (°C)
Water Level 95.56 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.19 (ft./msl)

Well Bottom Elevation *454.15 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 89°F, Sunny, SW winds @ 0-5 mph
Turbidity 1.50 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 95.56 - 2.08 = 93.48 (ft.)
Levels were taken on 06/21/24 @ 1104

(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: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-14

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: 06/21/24 Start Purge: 1207 End Purge: 1226
(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 7.50 7.52 7.52 (std.)
Ref. Measuring Pt. TIC SC 757 752 752 (umhos/cm)
Well Elevation *536.97 (ft./msl) Temp. 13.72 13.72 13.72 (°C)
Water Level 21.68 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 515.29 (ft./msl)

Well Bottom Elevation *457.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 91°F, Mostly Sunny, SW winds e 0-5 mph
Turbidity: 1.03 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 21.68 - 2.03 = 19.65 (ft)
Levels were taken on 06/21/24 @ 1202

(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 #: 500-252337-15

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

PURGING INFORMATION

Purge Date: 06/21/24 Start Purge: 1330 End Purge: 1346
(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 7.38 7.35 7.35 (std.)
Ref. Measuring Pt. TIC SC 946 940 940 (umhos/cm)
Well Elevation *603.80 (ft./msl) Temp. 16.37 16.34 16.34 (°C)
Water Level 62.63 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 541.17 (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 93°F, Mostly Cloudy, SW winds @ 0-5 mph
Turbidity: 0.79 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 62.63 - 2.97 = 59.66 (ft.)
Levels were taken on 06/21/24 @ 1325

(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 #: 500-252337-16

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: 06/21/24 Start Purge: 1418 End Purge: 1438
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.90

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.58 (ft) pH 7.21 7.23 7.23 (std.)
Ref. Measuring Pt. TIC SC 1930 1920 1920 (umhos/cm)
Well Elevation *535.73 (ft./msl) Temp. 16.57 16.57 16.57 (°C)
Water Level 28.81 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 506.92 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 91°F, Mostly Cloudy, SW winds e 0-5 mph
Turbidity: 0.95 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 28.81 - 2.58 = 26.23 (ft.)
Levels were taken on 06/21/24 @ 1413

(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: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-17

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: 06/24/24 Start Purge: 1013 End Purge: 1032
(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 2.33 (ft) pH 8.06 8.02 8.02 (std.)
Ref. Measuring Pt. TIC SC 1,302 1,296 1,296 (umhos/cm)
Well Elevation * 626.12 (ft./msl) Temp. 23.38 23.40 23.40 (°C)
Water Level 131.19 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 494.93 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No odor
Weather Conditions: 79°F, Sunny, SW winds e 0-5 mph
Turbidity: 122.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 131.19 - 2.33 = 128.86 (ft.)
Levels were taken on 06/24/24 @ 0958
* Total Depth = 172.75

(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: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-18

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: 06/24/24 Start Purge: 1215 End Purge: 1237
(2400 Hr. Clock)

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

MEASUREMENTS

Well Diameter <u>2.0</u> (inches)	1st	2nd	Final																														
Stick Up <u>2.38</u> (ft)	pH <u>8.36</u>	<u>8.34</u>	<u>8.34</u> (std.)																														
Ref. Measuring Pt. <u>TIC</u>	SC <u>1365</u>	<u>1355</u>	<u>1355</u> (umhos/cm)																														
Well Elevation * <u>627.55</u> (ft./msl)	Temp. <u>25.78</u>	<u>25.74</u>	<u>25.74</u> (°C)																														
Water Level <u>126.56</u> (ft.)	Well Stabilization / Recharge Grid																																
Ground Water Elev. <u>500.99</u> (ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td><td> </td><td> </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><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																																
Well Bottom Elevation * <u>447.38</u> (ft./msl)																																	

COMMENTS

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

Weather Conditions: 83°F, Mostly Sunny, SW windse 0-5 mph

Turbidity: 9.75 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 126.56 - 2.38 = 124.18 (ft.)

Levels were taken on 06/24/24 @ 1200

* Total Deth = 180.00

(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: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-19

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: 06/25/24 Start Purge: 1152 End Purge: 1207
(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 7.16 7.16 7.16 (std.)
Ref. Measuring Pt. TIC SC 754 750 750 (umhos/cm)
Well Elevation * 621.05 (ft./msl) Temp. 20.39 20.40 20.40 (°C)
Water Level 114.66 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 506.39 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 75°F, Cloudy, SW winds e 10-15 mph
Turbidity: 0.97 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 114.66 - 2.30 = 112.36 (ft.)
Levels were taken on 06/25/24 @ 1137
* 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 #: 500-252337-20

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: 06/25/24 Start Purge: 1330 End Purge: 1352
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.71

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 10.15 10.18 10.18 (std.)
Ref. Measuring Pt. TIC SC 2250 2250 2250 (umhos/cm)
Well Elevation * 623.50 (ft./msl) Temp. 20.18 20.16 20.16 (°C)
Water Level 120.21 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.29 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 78°F, Cloudy, SW winds @ 10-15 mph
Turbidity: 0.58 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 120.21 - 2.40 = 117.81 (ft.)
Levels were taken on 06/25/24 @ 1315
* Total Deth = 175.00

(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: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-21

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: 06/28/24 Start Purge: 0928 End Purge: 0950
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.28

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.48 (ft) pH 7.26 7.28 7.28 (std.)
Ref. Measuring Pt. TIC SC 1345 1339 1339 (umhos/cm)
Well Elevation * 621.84 (ft./msl) Temp. 18.30 18.31 18.31 (°C)
Water Level 119.34 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 502.50 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, Slight Odor
Weather Conditions: 71°F, Cloudy, SE winds @ 0-5 mph
Turbidity: 56.70 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 119.34 - 2.48 = 116.86 (ft)
Levels were taken on 06/28/24 @ 0923
* Total Depth = 170.00

(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: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-22

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: 06/28/24 Start Purge: 1140 End Purge: 1158
(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 7.26 7.29 7.29 (std.)
Ref. Measuring Pt. TIC SC 1144 1140 1140 (umhos/cm)
Well Elevation * 603.48 (ft./msl) Temp. 15.16 15.11 15.11 (°C)
Water Level 103.67 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 499.81 (ft./msl)

Well Bottom Elevation * 444.80 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 73°F, Light Rain, S winds @ 0-5 mph
Turbidity: 216.00 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 103.67 - 2.40 = 101.27 (ft.)
Levels were taken on 06/28/24 @ 1125
* 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: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-23

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: 06/28/24 Start Purge: 1309 End Purge: 1329
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter	<u>2.0</u>	(inches)	1st	2nd	Final																									
Stick Up	<u>2.74</u>	(ft)	pH	<u>7.49</u>	<u>7.50</u>	<u>7.50</u> (std.)																								
Ref. Measuring Pt.	<u>TIC</u>		SC	<u>895</u>	<u>890</u>	<u>890</u> (umhos/cm)																								
Well Elevation *	<u>559.48</u>	(ft./msl)	Temp.	<u>18.18</u>	<u>18.17</u>	<u>18.17</u> (°C)																								
Water Level	<u>60.19</u>	(ft.)	Well Stabilization / Recharge Grid																											
Ground Water Elev.	<u>57.45</u>	(ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td></td><td></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><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																											
Well Bottom Elevation *	<u>445.60</u>	(ft./msl)																												

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 74°F, Rain, S winds @ 5-10 mph
Turbidity 61.40 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 60.19 - 2.74 = 57.45 (ft.)
Levels were taken on 06/28/24 @ 1254
* Total Depth: 113.76

(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 7/29/2024 9:12:56 AM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR (RAD)

JOB NUMBER

500-252337-2

Eurofins Chicago

Job Notes

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

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

Authorization



Generated
7/29/2024 9:12:56 AM

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



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Case Narrative

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

Job ID: 500-252337-2

Job ID: 500-252337-2

Eurofins Chicago

Job Narrative 500-252337-2

Receipt

The samples were received on 6/18/2024 4:05 PM, 6/19/2024 2:49 PM, 6/20/2024 3:00 PM, 6/21/2024 4:18 PM, 6/24/2024 2:40 PM, 6/25/2024 3:25 PM and 6/28/2024 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.7°C, 2.0°C, 2.0°C, 2.5°C, 2.8°C, 3.2°C, 3.4°C, 4.3°C and 4.3°C.

Gas Flow Proportional Counter

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.

- 1
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- 8
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Method Summary

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

Job ID: 500-252337-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-252337-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-252337-1	G20S	GW	06/18/24 12:31	06/18/24 16:05
500-252337-2	G30S	Water	06/19/24 09:27	06/19/24 14:49
500-252337-3	R08S	Water	06/19/24 11:37	06/19/24 14:49
500-252337-4	DUP of R08S	Water	06/19/24 11:37	06/19/24 14:49
500-252337-5	G33S	Water	06/19/24 13:32	06/19/24 14:49
500-252337-6	G46S	Water	06/20/24 09:19	06/20/24 15:00
500-252337-7	T12S	Water	06/20/24 10:15	06/20/24 15:00
500-252337-8	G48S	Water	06/20/24 11:13	06/20/24 15:00
500-252337-9	G47S	Water	06/20/24 13:06	06/20/24 15:00
500-252337-10	T13S	Water	06/20/24 13:58	06/20/24 15:00
500-252337-11	T03S	Water	06/21/24 09:28	06/21/24 16:18
500-252337-12	G44S	Water	06/21/24 10:26	06/21/24 16:18
500-252337-13	G39S	Water	06/21/24 11:27	06/21/24 16:18
500-252337-14	R32S	Water	06/21/24 12:26	06/21/24 16:18
500-252337-15	G45S	Water	06/21/24 13:46	06/21/24 16:18
500-252337-16	G31S	Water	06/21/24 14:38	06/21/24 16:18
500-252337-17	T02S	Water	06/24/24 10:32	06/24/24 14:40
500-252337-18	T08S	Water	06/24/24 12:37	06/24/24 14:40
500-252337-19	T06S	Water	06/25/24 12:07	06/25/24 15:25
500-252337-20	T05S	Water	06/25/24 13:52	06/25/24 15:25
500-252337-21	T01S	Water	06/28/24 09:50	06/28/24 15:50
500-252337-22	T09S	Water	06/28/24 11:58	06/28/24 15:50
500-252337-23	T11S	Water	06/28/24 13:29	06/28/24 15:50



Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G20S

Lab Sample ID: 500-252337-1

Date Collected: 06/18/24 12:31

Matrix: GW

Date Received: 06/18/24 16:05

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	1.32		0.212	0.243	1.00	0.0858	pCi/L	06/25/24 07:54	07/22/24 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/25/24 07:54	07/22/24 07:42	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	1.31		0.428	0.444	1.00	0.477	pCi/L	06/25/24 07:56	07/15/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/25/24 07:56	07/15/24 12:13	1
Y Carrier	83.0		30 - 110					06/25/24 07:56	07/15/24 12:13	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.64		0.478	0.506	5.00	0.477	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G30S

Lab Sample ID: 500-252337-2

Date Collected: 06/19/24 09:27

Matrix: Water

Date Received: 06/19/24 14:49

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	0.871		0.168	0.185	1.00	0.0844	pCi/L	06/25/24 07:54	07/22/24 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					06/25/24 07:54	07/22/24 07:43	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	1.37		0.436	0.454	1.00	0.500	pCi/L	06/25/24 07:56	07/15/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					06/25/24 07:56	07/15/24 12:13	1
Y Carrier	82.6		30 - 110					06/25/24 07:56	07/15/24 12:13	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.24		0.467	0.490	5.00	0.500	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: R08S

Lab Sample ID: 500-252337-3

Date Collected: 06/19/24 11:37

Matrix: Water

Date Received: 06/19/24 14:49

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	0.572		0.147	0.155	1.00	0.120	pCi/L	06/25/24 07:54	07/22/24 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110					06/25/24 07:54	07/22/24 07:43	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	1.61		0.498	0.519	1.00	0.598	pCi/L	06/25/24 07:56	07/15/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110					06/25/24 07:56	07/15/24 12:13	1
Y Carrier	83.0		30 - 110					06/25/24 07:56	07/15/24 12:13	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.18		0.519	0.542	5.00	0.598	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: DUP of R08S

Lab Sample ID: 500-252337-4

Date Collected: 06/19/24 11:37

Matrix: Water

Date Received: 06/19/24 14:49

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.435		0.121	0.128	1.00	0.0817	pCi/L	06/25/24 07:54	07/22/24 07:43	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	98.5		30 - 110					06/25/24 07:54	07/22/24 07:43	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	1.07		0.386	0.399	1.00	0.459	pCi/L	06/25/24 07:56	07/15/24 12:14	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	98.5		30 - 110					06/25/24 07:56	07/15/24 12:14	1
Y Carrier	83.4		30 - 110					06/25/24 07:56	07/15/24 12:14	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	1.51		0.405	0.419	5.00	0.459	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G33S

Lab Sample ID: 500-252337-5

Date Collected: 06/19/24 13:32

Matrix: Water

Date Received: 06/19/24 14:49

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	<0.113	U	0.0792	0.0797	1.00	0.113	pCi/L	06/25/24 07:54	07/22/24 08:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					06/25/24 07:54	07/22/24 08:00	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	<0.507	U	0.316	0.317	1.00	0.507	pCi/L	06/25/24 07:56	07/15/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					06/25/24 07:56	07/15/24 12:15	1
Y Carrier	85.6		30 - 110					06/25/24 07:56	07/15/24 12:15	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	<0.507	U	0.326	0.327	5.00	0.507	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G46S

Lab Sample ID: 500-252337-6

Date Collected: 06/20/24 09:19

Matrix: Water

Date Received: 06/20/24 15:00

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	0.970		0.185	0.205	1.00	0.127	pCi/L	06/25/24 07:54	07/22/24 08:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					06/25/24 07:54	07/22/24 08:00	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	1.58		0.457	0.479	1.00	0.524	pCi/L	06/25/24 07:56	07/15/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					06/25/24 07:56	07/15/24 12:15	1
Y Carrier	85.6		30 - 110					06/25/24 07:56	07/15/24 12:15	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	2.55		0.493	0.521	5.00	0.524	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T12S

Lab Sample ID: 500-252337-7

Date Collected: 06/20/24 10:15

Matrix: Water

Date Received: 06/20/24 15:00

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	2.32		0.324	0.385	1.00	0.167	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					06/25/24 07:54	07/22/24 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	1.58		0.626	0.643	1.00	0.828	pCi/L	06/25/24 07:56	07/15/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					06/25/24 07:56	07/15/24 12:16	1
Y Carrier	81.9		30 - 110					06/25/24 07:56	07/15/24 12:16	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	3.90		0.705	0.749	5.00	0.828	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G48S

Lab Sample ID: 500-252337-8

Date Collected: 06/20/24 11:13

Matrix: Water

Date Received: 06/20/24 15:00

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	0.917		0.179	0.198	1.00	0.109	pCi/L	06/25/24 07:54	07/22/24 08:01	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	95.0		30 - 110					06/25/24 07:54	07/22/24 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	1.75		0.484	0.510	1.00	0.532	pCi/L	06/25/24 07:56	07/15/24 12:16	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	95.0		30 - 110					06/25/24 07:56	07/15/24 12:16	1
Y Carrier	85.2		30 - 110					06/25/24 07:56	07/15/24 12:16	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	2.67		0.516	0.547	5.00	0.532	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G47S

Lab Sample ID: 500-252337-9

Date Collected: 06/20/24 13:06

Matrix: Water

Date Received: 06/20/24 15:00

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	0.339		0.112	0.117	1.00	0.101	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/25/24 07:54	07/22/24 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	<0.492	U	0.253	0.253	1.00	0.492	pCi/L	06/25/24 07:56	07/15/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/25/24 07:56	07/15/24 12:16	1
Y Carrier	87.5		30 - 110					06/25/24 07:56	07/15/24 12:16	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	<0.492	U	0.277	0.279	5.00	0.492	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T13S

Lab Sample ID: 500-252337-10

Date Collected: 06/20/24 13:58

Matrix: Water

Date Received: 06/20/24 15:00

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	0.551		0.142	0.150	1.00	0.107	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					06/25/24 07:54	07/22/24 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	0.880		0.392	0.400	1.00	0.519	pCi/L	06/25/24 07:56	07/15/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					06/25/24 07:56	07/15/24 12:16	1
Y Carrier	84.5		30 - 110					06/25/24 07:56	07/15/24 12:16	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	1.43		0.417	0.427	5.00	0.519	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T03S

Lab Sample ID: 500-252337-11

Date Collected: 06/21/24 09:28

Matrix: Water

Date Received: 06/21/24 16:18

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	0.668		0.167	0.177	1.00	0.147	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					06/25/24 07:54	07/22/24 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	<0.486	U	0.309	0.310	1.00	0.486	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	89.3		30 - 110					06/25/24 07:56	07/15/24 12:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.02		0.351	0.357	5.00	0.486	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G44S

Lab Sample ID: 500-252337-12

Date Collected: 06/21/24 10:26

Matrix: Water

Date Received: 06/21/24 16:18

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	0.630		0.150	0.161	1.00	0.112	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/25/24 07:54	07/22/24 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	0.549		0.355	0.358	1.00	0.519	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	81.1		30 - 110					06/25/24 07:56	07/15/24 12:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.18		0.385	0.393	5.00	0.519	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G39S

Lab Sample ID: 500-252337-13

Date Collected: 06/21/24 11:27

Matrix: Water

Date Received: 06/21/24 16:18

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	0.444		0.145	0.150	1.00	0.145	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					06/25/24 07:54	07/22/24 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	0.931		0.399	0.408	1.00	0.510	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	84.5		30 - 110					06/25/24 07:56	07/15/24 12:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.37		0.425	0.435	5.00	0.510	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: R32S

Lab Sample ID: 500-252337-14

Date Collected: 06/21/24 12:26

Matrix: Water

Date Received: 06/21/24 16:18

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	1.29		0.222	0.251	1.00	0.126	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					06/25/24 07:54	07/22/24 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	0.680		0.422	0.426	1.00	0.621	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	85.6		30 - 110					06/25/24 07:56	07/15/24 12:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.97		0.477	0.494	5.00	0.621	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G45S

Lab Sample ID: 500-252337-15

Date Collected: 06/21/24 13:46

Matrix: Water

Date Received: 06/21/24 16:18

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	1.12		0.204	0.227	1.00	0.144	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					06/25/24 07:54	07/22/24 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	0.636		0.357	0.361	1.00	0.502	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	83.7		30 - 110					06/25/24 07:56	07/15/24 12:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.76		0.411	0.426	5.00	0.502	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: G31S

Lab Sample ID: 500-252337-16

Date Collected: 06/21/24 14:38

Matrix: Water

Date Received: 06/21/24 16:18

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	1.94		0.273	0.324	1.00	0.160	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					06/25/24 07:54	07/22/24 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	1.38		0.440	0.458	1.00	0.499	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	87.1		30 - 110					06/25/24 07:56	07/15/24 12:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.32		0.518	0.561	5.00	0.499	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T02S

Lab Sample ID: 500-252337-17

Date Collected: 06/24/24 10:32

Matrix: Water

Date Received: 06/24/24 14:40

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	0.809		0.218	0.230	1.00	0.206	pCi/L	06/26/24 08:32	07/19/24 07:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/26/24 08:32	07/19/24 07:47	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.37		0.492	0.508	1.00	0.606	pCi/L	06/26/24 08:37	07/15/24 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/26/24 08:37	07/15/24 12:37	1
Y Carrier	83.0		30 - 110					06/26/24 08:37	07/15/24 12:37	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	2.18		0.538	0.558	5.00	0.606	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T08S

Lab Sample ID: 500-252337-18

Date Collected: 06/24/24 12:37

Matrix: Water

Date Received: 06/24/24 14:40

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	0.463		0.147	0.153	1.00	0.137	pCi/L	06/26/24 08:32	07/19/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					06/26/24 08:32	07/19/24 07:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.502	U	0.302	0.303	1.00	0.502	pCi/L	06/26/24 08:37	07/15/24 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					06/26/24 08:37	07/15/24 12:38	1
Y Carrier	84.9		30 - 110					06/26/24 08:37	07/15/24 12:38	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	0.702		0.336	0.339	5.00	0.502	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T06S

Lab Sample ID: 500-252337-19

Date Collected: 06/25/24 12:07

Matrix: Water

Date Received: 06/25/24 15:25

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	1.15		0.224	0.247	1.00	0.160	pCi/L	06/28/24 09:01	07/22/24 09:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/28/24 09:01	07/22/24 09:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.530		0.356	0.359	1.00	0.525	pCi/L	06/28/24 10:01	07/17/24 12:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/28/24 10:01	07/17/24 12:34	1
Y Carrier	84.9		30 - 110					06/28/24 10:01	07/17/24 12:34	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	1.68		0.421	0.436	5.00	0.525	pCi/L		07/27/24 13:44	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T05S

Lab Sample ID: 500-252337-20

Date Collected: 06/25/24 13:52

Matrix: Water

Date Received: 06/25/24 15:25

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	0.455		0.180	0.184	1.00	0.190	pCi/L	06/28/24 09:01	07/22/24 09:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					06/28/24 09:01	07/22/24 09:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.879	U	0.528	0.529	1.00	0.879	pCi/L	06/28/24 10:01	07/17/24 12:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					06/28/24 10:01	07/17/24 12:45	1
Y Carrier	81.9		30 - 110					06/28/24 10:01	07/17/24 12:45	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	<0.879	U	0.558	0.560	5.00	0.879	pCi/L		07/27/24 15:42	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T01S

Lab Sample ID: 500-252337-21

Date Collected: 06/28/24 09:50

Matrix: Water

Date Received: 06/28/24 15:50

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	0.915		0.218	0.233	1.00	0.174	pCi/L	07/03/24 07:49	07/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					07/03/24 07:49	07/26/24 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	<0.555	U	0.339	0.340	1.00	0.555	pCi/L	07/03/24 07:57	07/22/24 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					07/03/24 07:57	07/22/24 12:19	1
Y Carrier	82.2		30 - 110					07/03/24 07:57	07/22/24 12:19	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.21		0.403	0.412	5.00	0.555	pCi/L		07/27/24 15:42	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T09S

Lab Sample ID: 500-252337-22

Date Collected: 06/28/24 11:58

Matrix: Water

Date Received: 06/28/24 15:50

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	1.20		0.276	0.296	1.00	0.189	pCi/L	07/03/24 07:49	07/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					07/03/24 07:49	07/26/24 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	0.937		0.513	0.520	1.00	0.722	pCi/L	07/03/24 07:57	07/22/24 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					07/03/24 07:57	07/22/24 12:19	1
Y Carrier	83.4		30 - 110					07/03/24 07:57	07/22/24 12:19	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.14		0.583	0.598	5.00	0.722	pCi/L		07/27/24 15:42	1

Client Sample Results

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

Job ID: 500-252337-2

Client Sample ID: T11S

Lab Sample ID: 500-252337-23

Date Collected: 06/28/24 13:29

Matrix: Water

Date Received: 06/28/24 15:50

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	0.615		0.203	0.210	1.00	0.212	pCi/L	07/03/24 07:49	07/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					07/03/24 07:49	07/26/24 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	<0.633	U	0.417	0.421	1.00	0.633	pCi/L	07/03/24 07:57	07/22/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					07/03/24 07:57	07/22/24 12:20	1
Y Carrier	83.7		30 - 110					07/03/24 07:57	07/22/24 12:20	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.21		0.464	0.470	5.00	0.633	pCi/L		07/27/24 15:42	1

Definitions/Glossary

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

Job ID: 500-252337-2

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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 (RAD)

Job ID: 500-252337-2

Rad

Prep Batch: 667817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	PrecSep-21	
500-252337-2	G30S	Total/NA	Water	PrecSep-21	
500-252337-3	R08S	Total/NA	Water	PrecSep-21	
500-252337-4	DUP of R08S	Total/NA	Water	PrecSep-21	
500-252337-5	G33S	Total/NA	Water	PrecSep-21	
500-252337-6	G46S	Total/NA	Water	PrecSep-21	
500-252337-7	T12S	Total/NA	Water	PrecSep-21	
500-252337-8	G48S	Total/NA	Water	PrecSep-21	
500-252337-9	G47S	Total/NA	Water	PrecSep-21	
500-252337-10	T13S	Total/NA	Water	PrecSep-21	
500-252337-11	T03S	Total/NA	Water	PrecSep-21	
500-252337-12	G44S	Total/NA	Water	PrecSep-21	
500-252337-13	G39S	Total/NA	Water	PrecSep-21	
500-252337-14	R32S	Total/NA	Water	PrecSep-21	
500-252337-15	G45S	Total/NA	Water	PrecSep-21	
500-252337-16	G31S	Total/NA	Water	PrecSep-21	
MB 160-667817/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-667817/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-252337-3 DU	R08S	Total/NA	Water	PrecSep-21	

Prep Batch: 667818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	PrecSep_0	
500-252337-2	G30S	Total/NA	Water	PrecSep_0	
500-252337-3	R08S	Total/NA	Water	PrecSep_0	
500-252337-4	DUP of R08S	Total/NA	Water	PrecSep_0	
500-252337-5	G33S	Total/NA	Water	PrecSep_0	
500-252337-6	G46S	Total/NA	Water	PrecSep_0	
500-252337-7	T12S	Total/NA	Water	PrecSep_0	
500-252337-8	G48S	Total/NA	Water	PrecSep_0	
500-252337-9	G47S	Total/NA	Water	PrecSep_0	
500-252337-10	T13S	Total/NA	Water	PrecSep_0	
500-252337-11	T03S	Total/NA	Water	PrecSep_0	
500-252337-12	G44S	Total/NA	Water	PrecSep_0	
500-252337-13	G39S	Total/NA	Water	PrecSep_0	
500-252337-14	R32S	Total/NA	Water	PrecSep_0	
500-252337-15	G45S	Total/NA	Water	PrecSep_0	
500-252337-16	G31S	Total/NA	Water	PrecSep_0	
MB 160-667818/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-667818/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-252337-3 DU	R08S	Total/NA	Water	PrecSep_0	

Prep Batch: 668095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-17	T02S	Total/NA	Water	PrecSep-21	
500-252337-18	T08S	Total/NA	Water	PrecSep-21	
MB 160-668095/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-668095/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-252337-17 DU	T02S	Total/NA	Water	PrecSep-21	

QC Association Summary

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

Job ID: 500-252337-2

Rad

Prep Batch: 668143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-17	T02S	Total/NA	Water	PrecSep_0	
500-252337-18	T08S	Total/NA	Water	PrecSep_0	
MB 160-668143/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-668143/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-252337-17 DU	T02S	Total/NA	Water	PrecSep_0	

Prep Batch: 668486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-19	T06S	Total/NA	Water	PrecSep-21	
500-252337-20	T05S	Total/NA	Water	PrecSep-21	
MB 160-668486/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-668486/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 668495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-19	T06S	Total/NA	Water	PrecSep_0	
500-252337-20	T05S	Total/NA	Water	PrecSep_0	
MB 160-668495/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-668495/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 669210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	PrecSep-21	
500-252337-22	T09S	Total/NA	Water	PrecSep-21	
500-252337-23	T11S	Total/NA	Water	PrecSep-21	
MB 160-669210/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-669210/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 669212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	PrecSep_0	
500-252337-22	T09S	Total/NA	Water	PrecSep_0	
500-252337-23	T11S	Total/NA	Water	PrecSep_0	
MB 160-669212/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-669212/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-252337-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-667817/1-A
Matrix: Water
Analysis Batch: 671635

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667817

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	<0.0997	U	0.0714	0.0719	1.00	0.0997	pCi/L	06/25/24 07:54	07/22/24 07:42	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					06/25/24 07:54	07/22/24 07:42	1

Lab Sample ID: LCS 160-667817/2-A
Matrix: Water
Analysis Batch: 671635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667817

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
	Result	LCS Qualifier	Added	Result	Uncert. (2σ+/-)					
Radium-226			11.3	10.69	1.12	1.00	0.0964	pCi/L	94	75 - 125
Carrier	LCS		Limits							
Ba Carrier	%Yield	LCS Qualifier	30 - 110							

Lab Sample ID: 500-252337-3 DU
Matrix: Water
Analysis Batch: 671635

Client Sample ID: R08S
Prep Type: Total/NA
Prep Batch: 667817

Analyte	Sample		DU		Total	RL	MDC	Unit	RER	RER Limit
	Result	Sample Qual	Result	DU Qual	Uncert. (2σ+/-)					
Radium-226	0.572		0.4733		0.137	1.00	0.104	pCi/L	0.34	1
Carrier	DU		Limits							
Ba Carrier	%Yield	DU Qualifier	30 - 110							

Lab Sample ID: MB 160-668095/1-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668095

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	<0.134	U	0.0755	0.0756	1.00	0.134	pCi/L	06/26/24 08:32	07/19/24 07:26	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					06/26/24 08:32	07/19/24 07:26	1

Lab Sample ID: LCS 160-668095/2-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668095

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
	Result	LCS Qualifier	Added	Result	Uncert. (2σ+/-)					
Radium-226			11.3	10.13	1.11	1.00	0.125	pCi/L	89	75 - 125

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QC Sample Results

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

Job ID: 500-252337-2

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

Lab Sample ID: LCS 160-668095/2-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668095

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	97.3		30 - 110

Lab Sample ID: 500-252337-17 DU
Matrix: Water
Analysis Batch: 671467

Client Sample ID: T02S
Prep Type: Total/NA
Prep Batch: 668095

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER
										Limit
Radium-226	0.809		0.9619		0.229	1.00	0.169	pCi/L	0.33	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	90.3		30 - 110

Lab Sample ID: MB 160-668486/1-A
Matrix: Water
Analysis Batch: 671642

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668486

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
										1
Radium-226	<0.157	U	0.0938	0.0940	1.00	0.157	pCi/L	06/28/24 09:01	07/22/24 09:52	1

	MB	MB		Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits			
Ba Carrier	99.3		30 - 110	06/28/24 09:01	07/22/24 09:52	1

Lab Sample ID: LCS 160-668486/2-A
Matrix: Water
Analysis Batch: 671642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668486

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec
									Limits
Radium-226	11.3	9.982		1.10	1.00	0.180	pCi/L	88	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	91.3		30 - 110

Lab Sample ID: MB 160-669210/1-A
Matrix: Water
Analysis Batch: 672513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669210

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
										1
Radium-226	<0.129	U	0.0794	0.0796	1.00	0.129	pCi/L	07/03/24 07:49	07/26/24 08:14	1

	MB	MB		Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits			
Ba Carrier	97.3		30 - 110	07/03/24 07:49	07/26/24 08:14	1

QC Sample Results

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

Job ID: 500-252337-2

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

Lab Sample ID: LCS 160-669210/2-A
Matrix: Water
Analysis Batch: 672513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669210

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-226	11.3	9.671		1.07	1.00	0.158	pCi/L	85	75 - 125	
Carrier	%Yield	LCS Qualifier	LCS Limits							
Ba Carrier	92.8		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-667818/1-A
Matrix: Water
Analysis Batch: 670605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667818

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.8471		0.395	0.403	1.00	0.543	pCi/L	06/25/24 07:56	07/15/24 12:13	1
Carrier	%Yield	MB Qualifier	MB Limits							
Ba Carrier	97.8		30 - 110							
Y Carrier	85.6		30 - 110							
								Prepared	Analyzed	Dil Fac
								06/25/24 07:56	07/15/24 12:13	1
								06/25/24 07:56	07/15/24 12:13	1

Lab Sample ID: LCS 160-667818/2-A
Matrix: Water
Analysis Batch: 670605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667818

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	8.76	7.847		1.12	1.00	0.517	pCi/L	90	75 - 125	
Carrier	%Yield	LCS Qualifier	LCS Limits							
Ba Carrier	97.3		30 - 110							
Y Carrier	85.6		30 - 110							

Lab Sample ID: 500-252337-3 DU
Matrix: Water
Analysis Batch: 670605

Client Sample ID: R08S
Prep Type: Total/NA
Prep Batch: 667818

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	1.61		1.012		0.400	1.00	0.480	pCi/L	0.65	1
Carrier	%Yield	DU Qualifier	DU Limits							
Ba Carrier	98.5		30 - 110							
Y Carrier	83.0		30 - 110							

QC Sample Results

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

Job ID: 500-252337-2

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

Lab Sample ID: MB 160-668143/1-A
Matrix: Water
Analysis Batch: 670723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668143

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	<0.600	U	0.344	0.344	1.00	0.600	pCi/L	06/26/24 08:37	07/15/24 12:42	1
Carrier	MB	MB	Limits				Prepared		Analyzed	
	%Yield	Qualifier								
Ba Carrier	99.0		30 - 110				06/26/24 08:37		07/15/24 12:42	
Y Carrier	81.9		30 - 110				06/26/24 08:37		07/15/24 12:42	

Lab Sample ID: LCS 160-668143/2-A
Matrix: Water
Analysis Batch: 670723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668143

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	
				Uncert. (2σ+/-)						
Radium-228	8.76	9.278		1.29	1.00	0.575	pCi/L	106	75 - 125	
Carrier	LCS	LCS	Limits							
	%Yield	Qualifier								
Ba Carrier	97.3		30 - 110							
Y Carrier	83.4		30 - 110							

Lab Sample ID: 500-252337-17 DU
Matrix: Water
Analysis Batch: 670722

Client Sample ID: T02S
Prep Type: Total/NA
Prep Batch: 668143

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-228	1.37		0.5765		0.369	1.00	0.529	pCi/L	0.90	1
Carrier	DU	DU	Limits							
	%Yield	Qualifier								
Ba Carrier	90.3		30 - 110							
Y Carrier	86.0		30 - 110							

Lab Sample ID: MB 160-668495/1-A
Matrix: Water
Analysis Batch: 670960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668495

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	<0.487	U	0.306	0.307	1.00	0.487	pCi/L	06/28/24 10:01	07/17/24 12:33	1
Carrier	MB	MB	Limits				Prepared		Analyzed	
	%Yield	Qualifier								
Ba Carrier	99.3		30 - 110				06/28/24 10:01		07/17/24 12:33	
Y Carrier	80.7		30 - 110				06/28/24 10:01		07/17/24 12:33	

QC Sample Results

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

Job ID: 500-252337-2

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

Lab Sample ID: LCS 160-668495/2-A
Matrix: Water
Analysis Batch: 670960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668495

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits													
									75	125												
Radium-228	8.76	9.317		1.32	1.00	0.611	pCi/L	106	75	125												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Carrier</th> <th>LCS %Yield</th> <th>LCS Qualifier</th> <th>Limits</th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>91.3</td> <td></td> <td>30 - 110</td> </tr> <tr> <td>Y Carrier</td> <td>78.5</td> <td></td> <td>30 - 110</td> </tr> </tbody> </table>											Carrier	LCS %Yield	LCS Qualifier	Limits	Ba Carrier	91.3		30 - 110	Y Carrier	78.5		30 - 110
Carrier	LCS %Yield	LCS Qualifier	Limits																			
Ba Carrier	91.3		30 - 110																			
Y Carrier	78.5		30 - 110																			

Lab Sample ID: MB 160-669212/1-A
Matrix: Water
Analysis Batch: 671644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669212

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac																					
								07/03/24 07:57	07/03/24 07:57	07/22/24 12:19	07/22/24 12:19																						
Radium-228	<0.538	U	0.313	0.313	1.00	0.538	pCi/L	07/03/24 07:57	07/03/24 07:57	07/22/24 12:19	07/22/24 12:19	1																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Carrier</th> <th>MB %Yield</th> <th>MB Qualifier</th> <th>Limits</th> <th>Prepared</th> <th>Analyzed</th> <th>Dil Fac</th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>97.3</td> <td></td> <td>30 - 110</td> <td>07/03/24 07:57</td> <td>07/22/24 12:19</td> <td>1</td> </tr> <tr> <td>Y Carrier</td> <td>83.0</td> <td></td> <td>30 - 110</td> <td>07/03/24 07:57</td> <td>07/22/24 12:19</td> <td>1</td> </tr> </tbody> </table>													Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac	Ba Carrier	97.3		30 - 110	07/03/24 07:57	07/22/24 12:19	1	Y Carrier	83.0		30 - 110	07/03/24 07:57	07/22/24 12:19	1
Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac																											
Ba Carrier	97.3		30 - 110	07/03/24 07:57	07/22/24 12:19	1																											
Y Carrier	83.0		30 - 110	07/03/24 07:57	07/22/24 12:19	1																											

Lab Sample ID: LCS 160-669212/2-A
Matrix: Water
Analysis Batch: 671644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669212

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits													
									75	125												
Radium-228	8.74	10.14		1.37	1.00	0.547	pCi/L	116	75	125												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Carrier</th> <th>LCS %Yield</th> <th>LCS Qualifier</th> <th>Limits</th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>92.8</td> <td></td> <td>30 - 110</td> </tr> <tr> <td>Y Carrier</td> <td>80.7</td> <td></td> <td>30 - 110</td> </tr> </tbody> </table>											Carrier	LCS %Yield	LCS Qualifier	Limits	Ba Carrier	92.8		30 - 110	Y Carrier	80.7		30 - 110
Carrier	LCS %Yield	LCS Qualifier	Limits																			
Ba Carrier	92.8		30 - 110																			
Y Carrier	80.7		30 - 110																			

Chain of Custody Record 719231



Environment Testing
America

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: <u>Diann Mockler</u>		Site Contact:		Date:		COC No:	
Company Name: <u>Joliet Midwest Generation EAF</u>		Lab Email:		Lab Contact:		Carrier:		_____ of _____ COCs	
Address:		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N) Perform MS / MSD (Y/N)		500-252337 COC		Sampler: For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____	
City/State/Zip: <u>Joliet, IL</u>									
Phone:		TAT if different from Below _____		Radium 226 Radium 228 Combined 226/228 TDS, FI, CI, SO4 Metals 14 element + Hg		500-252337 COC		Job / SDG No.: <u>252337</u> <u>510-252291</u> <u>SS 6/20/24</u>	
Fax:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Project Name: <u>Joliet #9 CCR</u>									
Site: <u>2024 Gas + Turbidity</u>									
P O #									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:
6 G46S		06/20/24	0919	W	W	5	/	/	
7 T12S		06/20/24	1015	W	W	5	/	/	
8 G48S		06/20/24	1113	W	W	5	/	/	
9 G47S		06/20/24	1306	W	W	5	/	/	
10 T13S		06/20/24	1358	W	W	5	/	/	
<p>Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other</p> <p>Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.</p> <p><input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown</p> <p>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</p> <p>Special Instructions/QC Requirements & Comments: <u>3.6 → 3.2, de 4 → de 0</u></p>									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____		Cofr'd: _____		Therm ID No.:	
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>06/20/24 1500</u>		Received by:		Company: _____	
Relinquished by:		Company:		Date/Time:		Received by:		Company: _____	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EETA</u>	
								Date/Time: <u>6/20/24 1500</u>	

SS 6/20/24 1500

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Chain of Custody Record 719230



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager <i>Dianna Mockler</i>		Site Contact		Date		COC No	
Company Name		Tel/Email		Lab Contact		Carrier		_____ of _____ COCs	
Address		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <i>Radium 228</i> <i>Radium 226</i> <i>Combined 226/228</i> <i>TDS, F, Cl, SO4</i> <i>Metals 14 elements + Hg</i>				Sampler For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No <i>500-252337</i>	
City/State/Zip									
Phone									
Fax									
Project Name									
Site		500-252337 COC							
P O #									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
<i>G305</i>		<i>04/19/24</i>	<i>0927</i>		<i>W</i>	<i>5</i>			
<i>R085</i>		<i>06/19/24</i>	<i>1137</i>		<i>W</i>	<i>5</i>			
<i>DUP of R085</i>		<i>06/19/24</i>	<i>1137</i>		<i>W</i>	<i>5</i>			
<i>G335</i>		<i>06/19/24</i>	<i>1322</i>		<i>W</i>	<i>5</i>			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					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				
Special Instructions/QC Requirements & Comments: Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No _____ Cooler Temp (°C) Obs'd <i>4.7</i> Corr'd <i>4.3</i> Therm ID No _____									
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>06/19/24 1449</i>		Received by _____		Company _____	
Relinquished by _____		Company _____		Date/Time _____		Received by _____		Company _____	
Relinquished by _____		Company _____		Date/Time _____		Received in Laboratory by <i>[Signature]</i>		Company <i>EETA</i> Date/Time <i>6/19/24 1449</i>	

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Chain of Custody Record 719232



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager <i>Diana Mockler</i>		Site Contact		Date		COC No	
Company Name <i>M. West Generation EME LLC</i>		Tel/Email		Lab Contact		Carrier:		_____ of _____ COCs	
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>TDS, Fl, Cl, SO4</i> <i>Metals 14 elements + Hg</i>		 500-252337 COC		Sampler: For Lab Use Only. Walk-in Client Lab Sampling Job / SDG No <i>500-252337</i>	
City/State/Zip <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____							
Phone		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Fax									
Project Name <i>Joliet #9 CR</i>									
Site <i>2024 GW + Turbidity</i>									
PO #									

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes
<i>T035</i>	<i>06/21/24</i>	<i>0928</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	
<i>G445</i>	<i>06/21/24</i>	<i>1026</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	
<i>G395</i>	<i>06/21/24</i>	<i>1127</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	
<i>R325</i>	<i>06/21/24</i>	<i>1226</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	
<i>G455</i>	<i>06/21/24</i>	<i>1346</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	
<i>G315</i>	<i>06/21/24</i>	<i>1438</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	

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

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

Non-Hazard Flammable Skin Irritant Poison B Unknown

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:

0.6 - 207169 - 220

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Cor'd _____		Therm ID No _____	
Relinquished by <i>[Signature]</i>	Company <i>ERDA</i>	Date/Time <i>06/21/24 1618</i>	Received by	Company	Date/Time		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time		
Relinquished by	Company	Date/Time	Received in Laboratory by <i>[Signature]</i>	Company <i>ERDA</i>	Date/Time <i>6/21/24 1618</i>		

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Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager Diana Meckler		Site Contact		Date		COC No	
Company Name Midwest Generation EME W		Tel/Email:		Lab Contact:		Carrier:		_____ of _____ COCs	
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) Radium 226 Radium 228 Combined 226/228 TDS, F, Cl, SO4 Metals 14 elements + Hg		 500-252337 COC		Sampler	
City/State/Zip Joliet, IL		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only	
Phone		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client	
Project Name Joliet #9 CCR								Lab Sampling	
Site 2024 GW + Turbidity								Job / SDG No	
PO #								500-252337	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
TO2S		06/24/24	1032		W	5			
TO8S		06/24/24	1237		W	5			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____		Possible Hazard Identification:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		<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"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd 3.2 Corr'd 2.9 Therm ID No 4804					
Relinquished by [Signature]		Company EETA		Date/Time 06/24/24 1440		Received by		Date/Time	
Relinquished by		Company		Date/Time		Received by		Date/Time	
Relinquished by		Company		Date/Time		Received in Laboratory by [Signature]		Date/Time 6/24/24 1440	

Chain of Custody Record 719234


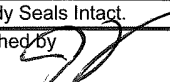


Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: Diana Mockler		Site Contact		Date		COC No	
Company Name: Midwest Generation EME LLC		Tel/Email		Lab Contact		Carrier:		_____ of _____ COCs	
Address		Analysis Turnaround Time		Filtered Sample (Y / N) Perform MS / MSD (Y / N) Radium 226 Radium 228 Combined 226/228 TDS, F, Cl, SO4 Metals 14 elements + Ag		 500-252337 COC		Sampler For Lab Use Only: Walk-in Client Lab Sampling Job / SDG No 337 500-252916 SS 2/1/24	
City/State/Zip: Joliet, IL		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS							
Phone		TAT if different from Below _____							
Fax		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Project Name: Joliet #9 CCR		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
Site: 2224 GW + Turbidity		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
P O #		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
21		04/28/24		0950				W 5	
22		06/28/24		1158				W 5	
23		06/28/24		1329				W 5	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					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				
Special Instructions/QC Requirements & Comments: 36 qt									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd 2.9 Corr'd 2.5		Therm ID No			
Relinquished by: 		Company: EETA		Date/Time: 6/28/24 1550		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: Stephanie Hemondy		Company: EETA Date/Time: 6/28/24 1550	

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)		Lab PM Mockler, Diana J	Carrier Tracking No(s) 500-189700.1			
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 # 500-252337-1			
Address 13715 Rider Trail North.		Preservation Codes:				
City Earth City	State, Zip MO, 63045	Analysis Requested				
Phone 314-298-8566(Tel) 314-298-8757(Fax)	PO #	Total Number of Containers				
Email	WO #	Other:				
Project Name Joliet #9 (Quarry) CCR 2Q24	Project # 50011504	Perform MS/MSD (Yes or No)				
Site NRG Midwest Generation LSQ Joliet #9 CCR	SSOW#	Field Filled Sample (Yes or No)				
Due Date Requested: 7/10/2024		93.0/PrecSep_21 Standard Target List				
TAT Requested (days):		94.0/PrecSep_0 Standard Target List				
		Raz26Raz28_GFPc				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Swab, Gaseous, Other)	Preservation Code:	Special Instructions/Note:
G30S (500-252337-2)	6/19/24	09:27 Central		Water		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
R08S (500-252337-3)	6/19/24	11:37 Central		Water		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
DUP of R08S (500-252337-4)	6/19/24	11:37 Central		Water		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
G33S (500-252337-5)	6/19/24	13:32 Central		Water		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
<p>Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.</p>						
Possible Hazard Identification						
Unconfirmed						
Deliverable Requested: I, II, III, IV, Other (specify)						
Primary Deliverable Rank: 2						
Empty Kit Relinquished by:						
Relinquished by: <i>Shirley</i> Date: 6/20/24						
Relinquished by: <i>Shirley</i> Date/Time: 08:20						
Relinquished by: <i>M. Pinetta</i> Date/Time: JUN 21 2024						
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 <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Special Instructions/QC Requirements:						
Time:						
Received by: _____ Date/Time: _____ Company: _____						
Received by: <i>M. Pinetta</i> Date/Time: JUN 21 2024 Company: _____						
Received by: _____ Date/Time: _____ Company: _____						
Method of Shipment:						



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

Chain of Custody Record



Environment Testing

Sampler:		Lab PI:		Carrier Tracking No(s):								
Client Information (Sub Contract Lab)		Mockler, Diana J		COC No: 500-189738.1								
Client Contact:		E-Mail		Page								
Shipping/Receiving		Diana.Mockler@et.eurofins.com		Page 1 of 1								
Company		Accreditations Required (See note):		Job #								
TesAmerica Laboratories, Inc.		NELAP - Illinois		500-252337-1								
Address		Due Date Requested:		Preservation Codes:								
13715 Rider Trail North,		7/10/2024										
City		TAT Requested (days):		Analysis Requested								
Earth City												
State/Zip												
MO, 63045												
Phone		PO #										
314-298-8566(Tel) 314-298-8757(Fax)												
Email		WFO #										
Project Name		Project #										
Joliet #9 (Quarry) CCR 2024		50011504										
Site		SSOW#										
NRG Midwest Generation LSQ Joliet #9 CCR												
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Sediment, etc)	Preservation Code: (E=EtOH, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra26Ra228 GFC	Total Number of Containers	Special Instructions/Note:
G46S (500-252337-6)	6/20/24	09:19 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T12S (500-252337-7)	6/20/24	10:15 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G48S (500-252337-8)	6/20/24	11:13 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G47S (500-252337-9)	6/20/24	13:06 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T13S (500-252337-10)	6/20/24	13:58 Central	Water	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, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____
 Primary Deliverable Rank: 2
 Date: _____
 Empty Kit Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____
 Custody Seals 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: 6/20/24 1530
 Company: _____
 Received by: M. Pinette
 Date/Time: JUN 21 2024 0900
 Company: _____
 Received by: _____
 Date/Time: _____
 Company: _____
 Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-189788.1
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		State of Origin: Illinois	Job #: 500-252337-1
Address: 13715 Rider Trail North, City Earth City State, Zip MO, 63045 Phone 314-298-8566(Tel) 314-298-8757(Fax) Email		Accreditations Required (See note): NELAP - Illinois	
Due Date Requested: 7/10/2024		Preservation Codes:	
TAT Requested (days):		Analysis Requested:	
PO #	WO #	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List
Project # 50011504	SSOW#	Perform MS/MSD (Yes or No)	Field Filtered Sample (Yes or No)
Site: NRG Midwest Generation LSQ Joliet #9 CCR		Sample Date	Sample Time
Sample Identification - Client ID (Lab ID)		Sample Type (C=Comp, G=Grab)	Matrix (W=water, S=solid, O=water/oil, BT=Tissue, AA=Air)
T03S (500-252337-11)	6/21/24	09:28 Central	Water
G44S (500-252337-12)	6/21/24	10:26 Central	Water
G39S (500-252337-13)	6/21/24	11:27 Central	Water
R32S (500-252337-14)	6/21/24	12:26 Central	Water
G45S (500-252337-15)	6/21/24	13:46 Central	Water
G31S (500-252337-16)	6/21/24	14:38 Central	Water
Special Instructions/Note:		Total Number of containers	
Batch QC must be performed (dup. spikes etc) - no NCMs concerning limited volume.		3	
Batch QC must be performed (dup. spikes etc) - no NCMs concerning limited volume.		3	
Batch QC must be performed (dup. spikes etc) - no NCMs concerning limited volume.		3	
Batch QC must be performed (dup. spikes etc) - no NCMs concerning limited volume.		3	
Batch QC must be performed (dup. spikes etc) - no NCMs concerning limited volume.		3	
Batch QC must be performed (dup. spikes etc) - no NCMs concerning limited volume.		3	
Batch QC must be performed (dup. spikes etc) - no NCMs concerning limited volume.		3	
Batch QC must be performed (dup. spikes etc) - no NCMs concerning limited volume.		3	

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

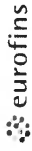
Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *Stephanie Hernandez* Date/Time: 6/21/24 16:30 Company: *EELA*
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No Cooler Temperature(s) °C and Other Remarks: _____

Received by: *M. Pinette* Date/Time: JUN 24 2024 09:00 Company: _____
 Received by: _____ Date/Time: _____ Company: _____
 Received by: _____ Date/Time: _____ Company: _____

Special Instructions/QC Requirements:
 Return To Client Disposal By Lab Archive For _____ Months
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)



Chain of Custody Record



Environment Testing



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:						
Client Contact		Mockler, Diana J	Mockler, Diana J		500-189850.1						
Shipping/Receiving		Phone:	E-Mail:	State of Origin:	Page:						
Company:			Diana.Mockler@eurofins.com	Illinois	Page 1 of 1						
TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #:	500-252337-1						
Address:		Due Date Requested:		Preservation Codes:							
13715 Rider Trail North,		7/10/2024									
City:		TAT Requested (days):		Analysis Requested							
Earth City											
State, Zip:		PO #:									
MO, 63045											
Phone:		WO #:									
314-298-8566(Tel) 314-298-8757(Fax)											
Email:		Project #:									
		50011504									
Site:		SSOW#:									
NRG Midwest Generation LSQ Joliet #9 CCR											
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=oil, T=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform M/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:
T02S (500-252337-17)	6/24/24	10:32 Central		Water	X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
T08S (500-252337-18)	6/24/24	12:37 Central		Water	X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
<p>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</p>											
Possible Hazard Identification											
Unconfirmed											
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2											
Empty Kit Relinquished by:											
Date/Time: <i>6/24/24 1500</i>											
Date/Time: <i>6/24/24 1500</i>											
Date/Time:											
Company: <i>Richard Thornley</i>											
Date/Time: <i>JUN 25 2024 0910</i>											
Company: <i>ETA SL</i>											
Date/Time:											
Company:											
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No											
Custody Seal No.:											
Cooler Temperature(s) °C and Other Remarks:											





Chain of Custody Record

Client Information (Sub Contract Lab) Company: TestAmerica Laboratories, Inc. Address: 13715 Rider Trail North, City: Earth City State: MO, Zip: 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email: Project Name: Joliet #9 (Quarry) CCR 2024 Site: NRG Midwest Generation LSQ Joliet #9 CCR		Lab PM: Mockler, Diana J E-Mail: Diana.Mockler@et.eurofins.com Carrier Tracking No(s): 500-190040.1 State of Origin: Illinois Job #: 500-252337-1 Preservation Codes:	
Due Date Requested: 7/10/2024 TAT Requested (days):		Analysis Requested	
PO #	WO #	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
Project #	Project #	904 0/PreSep_0 Standard Target List	903 0/PreSep_21 Standard Target List
SSOW#	SSOW#	Ra226Ra228_GFPc	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=biogas, A=air)
6/28/24	09:50 Central	Water	Water
6/28/24	11:58 Central	Water	Water
6/28/24	13:29 Central	Water	Water
Sample Identification - Client ID (Lab ID) T01S (500-252337-21) T09S (500-252337-22) T11S (500-252337-23)		Total Number of Containers: 3 Special Instructions/Note: Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. 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)			
Received by: <i>M. Pinette</i> Date/Time: 7/10/24 0900 Company:		Received by: <i>M. Pinette</i> Date/Time: JUL 02 2024 Company:	
Relinquished by: <i>M. Pinette</i> Date/Time:		Relinquished by: Date/Time:	
Relinquished by: Date/Time:		Relinquished by: Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks:	



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-2

Login Number: 252337

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.4,4.3,3.2,2.0,0.7,2.0,2.8,4.3,2.5
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: 500-252337-2

Login Number: 252337

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 06/20/24 04:00 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: 500-252337-2

Login Number: 252337

List Number: 3

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/21/24 01:00 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: 500-252337-2

Login Number: 252337

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/24/24 11:03 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: 500-252337-2

Login Number: 252337

List Number: 5

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 06/25/24 03:33 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: 500-252337-2

Login Number: 252337

List Number: 6

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/26/24 01:19 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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: 500-252337-2

Login Number: 252337

List Number: 7

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 07/02/24 01:36 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	



Lab Chronicle

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

Job ID: 500-252337-2

Client Sample ID: G20S

Date Collected: 06/18/24 12:31

Date Received: 06/18/24 16:05

Lab Sample ID: 500-252337-1

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671635	SWS	EET SL	07/22/24 07:42
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G30S

Date Collected: 06/19/24 09:27

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671635	SWS	EET SL	07/22/24 07:43
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671635	SWS	EET SL	07/22/24 07:43
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: DUP of R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671635	SWS	EET SL	07/22/24 07:43
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:14
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Lab Chronicle

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

Job ID: 500-252337-2

Client Sample ID: G33S

Lab Sample ID: 500-252337-5

Date Collected: 06/19/24 13:32

Matrix: Water

Date Received: 06/19/24 14:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:00
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:15
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G46S

Lab Sample ID: 500-252337-6

Date Collected: 06/20/24 09:19

Matrix: Water

Date Received: 06/20/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:00
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:15
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T12S

Lab Sample ID: 500-252337-7

Date Collected: 06/20/24 10:15

Matrix: Water

Date Received: 06/20/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G48S

Lab Sample ID: 500-252337-8

Date Collected: 06/20/24 11:13

Matrix: Water

Date Received: 06/20/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Lab Chronicle

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

Job ID: 500-252337-2

Client Sample ID: G47S

Date Collected: 06/20/24 13:06

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T13S

Date Collected: 06/20/24 13:58

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T03S

Date Collected: 06/21/24 09:28

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G44S

Date Collected: 06/21/24 10:26

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Lab Chronicle

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

Job ID: 500-252337-2

Client Sample ID: G39S

Lab Sample ID: 500-252337-13

Date Collected: 06/21/24 11:27

Matrix: Water

Date Received: 06/21/24 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: R32S

Lab Sample ID: 500-252337-14

Date Collected: 06/21/24 12:26

Matrix: Water

Date Received: 06/21/24 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G45S

Lab Sample ID: 500-252337-15

Date Collected: 06/21/24 13:46

Matrix: Water

Date Received: 06/21/24 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G31S

Lab Sample ID: 500-252337-16

Date Collected: 06/21/24 14:38

Matrix: Water

Date Received: 06/21/24 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Lab Chronicle

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

Job ID: 500-252337-2

Client Sample ID: T02S

Date Collected: 06/24/24 10:32

Date Received: 06/24/24 14:40

Lab Sample ID: 500-252337-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668095	MLT	EET SL	06/26/24 08:32
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 07:47
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670722	SCB	EET SL	07/15/24 12:37
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T08S

Date Collected: 06/24/24 12:37

Date Received: 06/24/24 14:40

Lab Sample ID: 500-252337-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668095	MLT	EET SL	06/26/24 08:32
Total/NA	Analysis	903.0		1	671467	SCB	EET SL	07/19/24 07:38
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670722	SCB	EET SL	07/15/24 12:38
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T06S

Date Collected: 06/25/24 12:07

Date Received: 06/25/24 15:25

Lab Sample ID: 500-252337-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668486	MLT	EET SL	06/28/24 09:01
Total/NA	Analysis	903.0		1	671644	SCB	EET SL	07/22/24 09:38
Total/NA	Prep	PrecSep_0			668495	MLT	EET SL	06/28/24 10:01
Total/NA	Analysis	904.0		1	670960	SCB	EET SL	07/17/24 12:34
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T05S

Date Collected: 06/25/24 13:52

Date Received: 06/25/24 15:25

Lab Sample ID: 500-252337-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668486	MLT	EET SL	06/28/24 09:01
Total/NA	Analysis	903.0		1	671644	SCB	EET SL	07/22/24 09:38
Total/NA	Prep	PrecSep_0			668495	MLT	EET SL	06/28/24 10:01
Total/NA	Analysis	904.0		1	670968	SCB	EET SL	07/17/24 12:45
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 15:42

Lab Chronicle

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

Job ID: 500-252337-2

Client Sample ID: T01S

Lab Sample ID: 500-252337-21

Date Collected: 06/28/24 09:50

Matrix: Water

Date Received: 06/28/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			669210	MLT	EET SL	07/03/24 07:49
Total/NA	Analysis	903.0		1	672513	SCB	EET SL	07/26/24 08:14
Total/NA	Prep	PrecSep_0			669212	MLT	EET SL	07/03/24 07:57
Total/NA	Analysis	904.0		1	671644	SCB	EET SL	07/22/24 12:19
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 15:42

Client Sample ID: T09S

Lab Sample ID: 500-252337-22

Date Collected: 06/28/24 11:58

Matrix: Water

Date Received: 06/28/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			669210	MLT	EET SL	07/03/24 07:49
Total/NA	Analysis	903.0		1	672513	SCB	EET SL	07/26/24 08:14
Total/NA	Prep	PrecSep_0			669212	MLT	EET SL	07/03/24 07:57
Total/NA	Analysis	904.0		1	671644	SCB	EET SL	07/22/24 12:19
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 15:42

Client Sample ID: T11S

Lab Sample ID: 500-252337-23

Date Collected: 06/28/24 13:29

Matrix: Water

Date Received: 06/28/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			669210	MLT	EET SL	07/03/24 07:49
Total/NA	Analysis	903.0		1	672513	SCB	EET SL	07/26/24 08:14
Total/NA	Prep	PrecSep_0			669212	MLT	EET SL	07/03/24 07:57
Total/NA	Analysis	904.0		1	671644	SCB	EET SL	07/22/24 12:20
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 15:42

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 (RAD)

Job ID: 500-252337-2

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	06-30-24 *
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-24 *
Illinois	NELAP	200023	11-30-24
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	09-30-24
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-24 *
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-24 *
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24 *
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-24
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 (RAD)

Job ID: 500-252337-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: GW

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)
500-252337-1	G20S	92.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)
500-252337-2	G30S	97.0
500-252337-3	R08S	96.3
500-252337-3 DU	R08S	98.5
500-252337-4	DUP of R08S	98.5
500-252337-5	G33S	93.5
500-252337-6	G46S	100
500-252337-7	T12S	94.5
500-252337-8	G48S	95.0
500-252337-9	G47S	98.3
500-252337-10	T13S	95.5
500-252337-11	T03S	99.5
500-252337-12	G44S	92.6
500-252337-13	G39S	90.1
500-252337-14	R32S	82.6
500-252337-15	G45S	95.3
500-252337-16	G31S	90.1
500-252337-17	T02S	87.1
500-252337-17 DU	T02S	90.3
500-252337-18	T08S	99.5
500-252337-19	T06S	87.1
500-252337-20	T05S	84.1
500-252337-21	T01S	84.1
500-252337-22	T09S	87.6
500-252337-23	T11S	82.4
LCS 160-667817/2-A	Lab Control Sample	97.3
LCS 160-668095/2-A	Lab Control Sample	97.3
LCS 160-668486/2-A	Lab Control Sample	91.3
LCS 160-669210/2-A	Lab Control Sample	92.8
MB 160-667817/1-A	Method Blank	97.8
MB 160-668095/1-A	Method Blank	99.0
MB 160-668486/1-A	Method Blank	99.3
MB 160-669210/1-A	Method Blank	97.3

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

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

Job ID: 500-252337-2

Method: 904.0 - Radium-228 (GFPC)

Matrix: GW

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-252337-1	G20S	92.6	83.0

Tracer/Carrier Legend
 Ba = Ba Carrier
 Y = Y 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)
500-252337-2	G30S	97.0	82.6
500-252337-3	R08S	96.3	83.0
500-252337-3 DU	R08S	98.5	83.0
500-252337-4	DUP of R08S	98.5	83.4
500-252337-5	G33S	93.5	85.6
500-252337-6	G46S	100	85.6
500-252337-7	T12S	94.5	81.9
500-252337-8	G48S	95.0	85.2
500-252337-9	G47S	98.3	87.5
500-252337-10	T13S	95.5	84.5
500-252337-11	T03S	99.5	89.3
500-252337-12	G44S	92.6	81.1
500-252337-13	G39S	90.1	84.5
500-252337-14	R32S	82.6	85.6
500-252337-15	G45S	95.3	83.7
500-252337-16	G31S	90.1	87.1
500-252337-17	T02S	87.1	83.0
500-252337-17 DU	T02S	90.3	86.0
500-252337-18	T08S	99.5	84.9
500-252337-19	T06S	87.1	84.9
500-252337-20	T05S	84.1	81.9
500-252337-21	T01S	84.1	82.2
500-252337-22	T09S	87.6	83.4
500-252337-23	T11S	82.4	83.7
LCS 160-667818/2-A	Lab Control Sample	97.3	85.6
LCS 160-668143/2-A	Lab Control Sample	97.3	83.4
LCS 160-668495/2-A	Lab Control Sample	91.3	78.5
LCS 160-669212/2-A	Lab Control Sample	92.8	80.7
MB 160-667818/1-A	Method Blank	97.8	85.6
MB 160-668143/1-A	Method Blank	99.0	81.9
MB 160-668495/1-A	Method Blank	99.3	80.7
MB 160-669212/1-A	Method Blank	97.3	83.0

Tracer/Carrier Legend
 Ba = Ba Carrier
 Y = Y Carrier