

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5780		1	0.86	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.57	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-38-2	Arsenic	3.25	N	1	0.20	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-39-3	Barium	24.5		1	0.75	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-41-7	Beryllium	0.40	N	1	0.026	0.31	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-70-2	Calcium	633	N	1	11.4	103	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-47-3	Chromium	10.3	N	1	0.048	0.51	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-48-4	Cobalt	3.07		1	0.10	1.54	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-50-8	Copper	7.56	N	1	0.23	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-89-6	Iron	12400		1	4.09	5.13	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-92-1	Lead	12.0		1	0.13	0.62	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-95-4	Magnesium	560	N	1	12.3	103	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-96-5	Manganese	52.7		1	0.14	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7439-97-6	Mercury	0.067		1	0.0080	0.014	mg/Kg	05/09/25 16:05	05/12/25 10:32	7471B	
7440-02-0	Nickel	5.92		1	0.13	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-09-7	Potassium	210	N	1	28.4	103	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.03	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-22-4	Silver	0.27	JN	1	0.12	0.51	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-23-5	Sodium	82.9	JN	1	18.3	103	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-28-0	Thallium	0.77	J	1	0.24	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-62-2	Vanadium	16.5	N	1	0.26	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050
7440-66-6	Zinc	31.1	N	1	0.24	2.05	mg/Kg	05/09/25 10:05	05/13/25 21:12	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits