

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-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2780		1	0.84	5.01	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.51	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-38-2	Arsenic	2.96	N	1	0.19	1.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-39-3	Barium	12.2		1	0.73	5.01	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-41-7	Beryllium	0.38	N	1	0.025	0.30	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-70-2	Calcium	873	N	1	11.1	100	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-47-3	Chromium	7.77	N	1	0.047	0.50	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-48-4	Cobalt	1.37	J	1	0.10	1.50	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-50-8	Copper	7.46	N	1	0.22	1.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-89-6	Iron	14800		1	4.00	5.01	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-92-1	Lead	6.83		1	0.13	0.60	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-95-4	Magnesium	255	N	1	12.0	100	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-96-5	Manganese	24.7		1	0.14	1.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0070	0.013	mg/Kg	05/09/25 16:05	05/12/25 10:34	7471B	
7440-02-0	Nickel	2.38		1	0.13	2.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-09-7	Potassium	134	N	1	27.8	100	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7782-49-2	Selenium	0.26	UN	1	0.26	1.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-22-4	Silver	0.12	JN	1	0.12	0.50	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-23-5	Sodium	54.6	JN	1	17.8	100	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-28-0	Thallium	1.11	J	1	0.23	2.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-62-2	Vanadium	14.4	N	1	0.25	2.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	6010D	SW3050
7440-66-6	Zinc	13.6	N	1	0.23	2.00	mg/Kg	05/09/25 10:05	05/13/25 21:17	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