

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3590		1	0.82	4.90	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-36-0	Antimony	0.74	JN	1	0.22	2.45	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-38-2	Arsenic	3.33		1	0.19	0.98	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-39-3	Barium	6.11		1	0.72	4.90	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-41-7	Beryllium	0.42		1	0.024	0.29	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.29	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-70-2	Calcium	119		1	10.9	97.9	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-47-3	Chromium	12.1		1	0.046	0.49	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-48-4	Cobalt	1.52		1	0.098	1.47	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-50-8	Copper	5.05		1	0.22	0.98	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7439-89-6	Iron	11500		1	3.91	4.90	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7439-92-1	Lead	9.44		1	0.13	0.59	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7439-95-4	Magnesium	170		1	11.8	97.9	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7439-96-5	Manganese	16.1		1	0.14	0.98	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7439-97-6	Mercury	0.024		1	0.0080	0.014	mg/Kg	06/26/25 12:15	06/26/25 15:05	7471B	
7440-02-0	Nickel	3.07		1	0.13	1.96	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-09-7	Potassium	155	N	1	27.1	97.9	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7782-49-2	Selenium	3.84		1	0.26	0.98	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-22-4	Silver	0.24	J	1	0.12	0.49	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-23-5	Sodium	84.3	J	1	17.4	97.9	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.96	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-62-2	Vanadium	19.4	N	1	0.25	1.96	mg/Kg	06/26/25 10:20	06/27/25 18:33	6010D	SW3050
7440-66-6	Zinc	14.6	N	1	0.11	1.96	mg/Kg	06/26/25 10:20	06/27/25 18:33	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