

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-22	SDG No.:	Q2100
Lab Sample ID:	Q2100-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3840	*	1	0.90	5.34	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-36-0	Antimony	0.24	UN*	1	0.24	2.67	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-38-2	Arsenic	6.80	*	1	0.20	1.07	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-39-3	Barium	16.1	*	1	0.78	5.34	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-41-7	Beryllium	0.73	*	1	0.027	0.32	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-43-9	Cadmium	0.84		1	0.026	0.32	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-70-2	Calcium	1640	*	1	11.9	107	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-47-3	Chromium	8.92	*	1	0.050	0.53	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-48-4	Cobalt	3.34	N*	1	0.11	1.60	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-50-8	Copper	18.4	*	1	0.24	1.07	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7439-89-6	Iron	39000	*	1	4.26	5.34	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7439-92-1	Lead	17.7		1	0.14	0.64	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7439-95-4	Magnesium	553	N*	1	12.8	107	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7439-96-5	Manganese	154	*	1	0.15	1.07	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7439-97-6	Mercury	0.091		1	0.0080	0.015	mg/Kg	05/23/25 09:50	05/23/25 13:49	7471B	
7440-02-0	Nickel	3.19	*	1	0.14	2.14	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-09-7	Potassium	369	*	1	29.6	107	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.07	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-22-4	Silver	0.13	U*	1	0.13	0.53	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-23-5	Sodium	675	N	1	19.0	107	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.14	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-62-2	Vanadium	22.3	N*	1	0.27	2.14	mg/Kg	05/21/25 14:05	05/30/25 17:37	6010D	SW3050
7440-66-6	Zinc	14.8	N*	1	0.25	2.14	mg/Kg	05/21/25 14:05	05/30/25 17:37	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