

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4860		1	0.80	4.73	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.37	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-38-2	Arsenic	2.23		1	0.18	0.95	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-39-3	Barium	11.5	N	1	0.69	4.73	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-41-7	Beryllium	0.42		1	0.024	0.28	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.28	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-70-2	Calcium	320	N	1	10.5	94.6	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-47-3	Chromium	6.70		1	0.044	0.47	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-48-4	Cobalt	2.20	*	1	0.095	1.42	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-50-8	Copper	2.13		1	0.21	0.95	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-89-6	Iron	13400		1	3.78	4.73	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-92-1	Lead	4.43		1	0.12	0.57	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-95-4	Magnesium	312	N	1	11.4	94.6	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-96-5	Manganese	25.9	N*	1	0.13	0.95	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.013	mg/Kg	06/27/25 14:20	06/30/25 14:10	7471B	
7440-02-0	Nickel	3.47		1	0.12	1.89	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-09-7	Potassium	191		1	26.2	94.6	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7782-49-2	Selenium	3.16		1	0.25	0.95	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-22-4	Silver	0.66		1	0.11	0.47	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-23-5	Sodium	160		1	16.8	94.6	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.89	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-62-2	Vanadium	13.9		1	0.24	1.89	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-66-6	Zinc	13.1		1	0.22	1.89	mg/Kg	06/27/25 13:05	07/01/25 18:05	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