

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6500		1	0.80	4.77	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.38	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-38-2	Arsenic	4.62		1	0.18	0.95	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-39-3	Barium	38.3	*	1	0.70	4.77	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-41-7	Beryllium	0.41	N*	1	0.024	0.29	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-43-9	Cadmium	0.52	*	1	0.023	0.29	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-70-2	Calcium	21100	*	1	10.6	95.3	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-47-3	Chromium	17.6	*	1	0.045	0.48	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-48-4	Cobalt	7.76		1	0.095	1.43	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-50-8	Copper	38.8	N*	1	0.21	0.95	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-89-6	Iron	15200		1	3.80	4.77	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-92-1	Lead	54.8		1	0.12	0.57	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-95-4	Magnesium	4510		1	11.4	95.3	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-96-5	Manganese	209		1	0.13	0.95	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-97-6	Mercury	0.045		1	0.0080	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:26	7471B	
7440-02-0	Nickel	18.5		1	0.12	1.91	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-09-7	Potassium	696	N*	1	26.4	95.3	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.95	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-22-4	Silver	0.54		1	0.11	0.48	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-23-5	Sodium	887	N	1	17.0	95.3	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.91	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-62-2	Vanadium	33.8		1	0.24	1.91	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-66-6	Zinc	62.3		1	0.22	1.91	mg/Kg	05/30/25 09:40	06/02/25 18:07	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