

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-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3580		1	0.92	5.46	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.73	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-38-2	Arsenic	3.77		1	0.21	1.09	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-39-3	Barium	18.7	*	1	0.80	5.46	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-41-7	Beryllium	0.54	N*	1	0.027	0.33	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-43-9	Cadmium	0.096	J*	1	0.026	0.33	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-70-2	Calcium	648	*	1	12.1	109	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-47-3	Chromium	10.1	*	1	0.051	0.55	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-48-4	Cobalt	2.23		1	0.11	1.64	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-50-8	Copper	7.28	N*	1	0.24	1.09	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-89-6	Iron	15200		1	4.35	5.46	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-92-1	Lead	15.3		1	0.14	0.66	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-95-4	Magnesium	151		1	13.1	109	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-96-5	Manganese	30.1		1	0.15	1.09	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-97-6	Mercury	0.031		1	0.0090	0.017	mg/Kg	05/30/25 08:35	05/30/25 13:28	7471B	
7440-02-0	Nickel	3.05		1	0.14	2.18	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-09-7	Potassium	314	N*	1	30.2	109	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.09	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.55	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-23-5	Sodium	328	N	1	19.4	109	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.18	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-62-2	Vanadium	22.4		1	0.27	2.18	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-66-6	Zinc	10.1		1	0.25	2.18	mg/Kg	05/30/25 09:40	06/02/25 18:12	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