

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10300	*	1	0.95	5.68	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.84	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-38-2	Arsenic	1.86		1	0.22	1.14	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-39-3	Barium	10.2	N*	1	0.83	5.68	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-41-7	Beryllium	0.62		1	0.028	0.34	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-43-9	Cadmium	0.43		1	0.027	0.34	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-70-2	Calcium	197	*	1	12.6	114	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-47-3	Chromium	6.49		1	0.053	0.57	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-48-4	Cobalt	4.96		1	0.11	1.70	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-50-8	Copper	4.19		1	0.25	1.14	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-89-6	Iron	10000	*	1	4.53	5.68	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-92-1	Lead	3.94		1	0.15	0.68	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-95-4	Magnesium	389	*	1	13.6	114	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-96-5	Manganese	96.0		1	0.16	1.14	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.016	mg/Kg	06/02/25 08:35	06/03/25 14:11	7471B	
7440-02-0	Nickel	5.97		1	0.15	2.27	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-09-7	Potassium	131	*	1	31.4	114	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7782-49-2	Selenium	0.30	U	1	0.30	1.14	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.57	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-23-5	Sodium	123	N*	1	20.2	114	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.27	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-62-2	Vanadium	13.2		1	0.28	2.27	mg/Kg	06/02/25 13:05	06/10/25 21:12	6010D	SW3050
7440-66-6	Zinc	13.9	N	1	0.26	2.27	mg/Kg	06/02/25 13:05	06/10/25 21:12	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