

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-18	SDG No.:	Q2074
Lab Sample ID:	Q2074-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	78

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4710		1	1.03	6.13	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-36-0	Antimony	0.27	UN	1	0.27	3.07	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-38-2	Arsenic	6.54	*	1	0.23	1.23	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-39-3	Barium	18.5		1	0.90	6.13	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-41-7	Beryllium	0.70		1	0.031	0.37	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-43-9	Cadmium	0.26	J	1	0.029	0.37	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-70-2	Calcium	447		1	13.6	123	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-47-3	Chromium	18.2	*	1	0.058	0.61	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-48-4	Cobalt	2.74		1	0.12	1.84	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-50-8	Copper	14.2		1	0.27	1.23	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7439-89-6	Iron	36100	*	1	4.90	6.13	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7439-92-1	Lead	31.8		1	0.16	0.74	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7439-95-4	Magnesium	112	J	1	14.7	123	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7439-96-5	Manganese	24.7		1	0.17	1.23	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0090	0.017	mg/Kg	05/19/25 13:50	05/20/25 14:38	7471B	
7440-02-0	Nickel	3.24		1	0.16	2.45	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-09-7	Potassium	218	N	1	34.0	123	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7782-49-2	Selenium	0.32	U	1	0.32	1.23	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-22-4	Silver	0.15	U	1	0.15	0.61	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-23-5	Sodium	141		1	21.8	123	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-28-0	Thallium	2.76		1	0.28	2.45	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-62-2	Vanadium	32.9	*	1	0.31	2.45	mg/Kg	05/20/25 12:15	05/21/25 20:14	6010D	SW3050
7440-66-6	Zinc	24.3		1	0.28	2.45	mg/Kg	05/20/25 12:15	05/21/25 20:14	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