

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4570		1	0.89	5.32	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-36-0	Antimony	0.79	JN	1	0.23	2.66	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-38-2	Arsenic	6.60		1	0.20	1.06	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-39-3	Barium	22.4		1	0.78	5.32	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-41-7	Beryllium	0.57		1	0.027	0.32	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-70-2	Calcium	371		1	11.8	106	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-47-3	Chromium	7.90		1	0.050	0.53	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-48-4	Cobalt	2.69		1	0.11	1.60	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-50-8	Copper	4.46		1	0.23	1.06	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7439-89-6	Iron	16000		1	4.25	5.32	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7439-92-1	Lead	6.00		1	0.14	0.64	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7439-95-4	Magnesium	428		1	12.8	106	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7439-96-5	Manganese	37.9		1	0.15	1.06	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7439-97-6	Mercury	0.019		1	0.0080	0.014	mg/Kg	06/26/25 12:15	06/26/25 15:18	7471B	
7440-02-0	Nickel	4.12		1	0.14	2.13	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-09-7	Potassium	570	N	1	29.5	106	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7782-49-2	Selenium	4.93		1	0.28	1.06	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-22-4	Silver	0.19	J	1	0.13	0.53	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-23-5	Sodium	225		1	18.9	106	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.13	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-62-2	Vanadium	20.0	N	1	0.27	2.13	mg/Kg	06/26/25 10:20	06/27/25 18:59	6010D	SW3050
7440-66-6	Zinc	13.0	N	1	0.12	2.13	mg/Kg	06/26/25 10:20	06/27/25 18:59	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