

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-12	SDG No.:	Q2074
Lab Sample ID:	Q2074-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4290		1	0.85	5.05	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.53	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-38-2	Arsenic	2.11	*	1	0.19	1.01	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-39-3	Barium	34.1		1	0.74	5.05	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-41-7	Beryllium	0.46		1	0.025	0.30	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-43-9	Cadmium	0.25	J	1	0.024	0.30	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-70-2	Calcium	77.5	J	1	11.2	101	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-47-3	Chromium	9.76	*	1	0.047	0.51	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-48-4	Cobalt	2.92		1	0.10	1.52	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-50-8	Copper	6.97		1	0.22	1.01	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7439-89-6	Iron	9360	*	1	4.03	5.05	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7439-92-1	Lead	10.0		1	0.13	0.61	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7439-95-4	Magnesium	647		1	12.1	101	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7439-96-5	Manganese	26.4		1	0.14	1.01	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7439-97-6	Mercury	0.014	J	1	0.0080	0.015	mg/Kg	05/19/25 13:50	05/20/25 14:17	7471B	
7440-02-0	Nickel	5.28		1	0.13	2.02	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-09-7	Potassium	187	N	1	28.0	101	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.01	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-23-5	Sodium	107		1	18.0	101	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-28-0	Thallium	0.41	J	1	0.23	2.02	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-62-2	Vanadium	16.6	*	1	0.25	2.02	mg/Kg	05/20/25 12:15	05/21/25 19:36	6010D	SW3050
7440-66-6	Zinc	17.4		1	0.23	2.02	mg/Kg	05/20/25 12:15	05/21/25 19:36	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