

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-20	SDG No.:	Q2074
Lab Sample ID:	Q2074-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6620		1	0.89	5.30	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.65	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-38-2	Arsenic	2.51	*	1	0.20	1.06	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-39-3	Barium	21.3		1	0.77	5.30	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-41-7	Beryllium	0.25	J	1	0.026	0.32	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-43-9	Cadmium	0.096	J	1	0.025	0.32	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-70-2	Calcium	244		1	11.8	106	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-47-3	Chromium	9.72	*	1	0.050	0.53	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-48-4	Cobalt	2.38		1	0.11	1.59	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-50-8	Copper	3.83		1	0.23	1.06	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7439-89-6	Iron	7000	*	1	4.23	5.30	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7439-92-1	Lead	6.24		1	0.14	0.64	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7439-95-4	Magnesium	592		1	12.7	106	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7439-96-5	Manganese	21.1		1	0.15	1.06	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7439-97-6	Mercury	0.033		1	0.0080	0.014	mg/Kg	05/19/25 13:50	05/20/25 14:24	7471B	
7440-02-0	Nickel	4.21		1	0.14	2.12	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-09-7	Potassium	184	N	1	29.3	106	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.06	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.53	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-23-5	Sodium	532		1	18.9	106	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.12	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-62-2	Vanadium	18.5	*	1	0.27	2.12	mg/Kg	05/20/25 12:15	05/21/25 19:49	6010D	SW3050
7440-66-6	Zinc	9.82		1	0.24	2.12	mg/Kg	05/20/25 12:15	05/21/25 19:49	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