

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-38	SDG No.:	Q2074
Lab Sample ID:	Q2074-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	663		1	0.94	5.58	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.79	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-38-2	Arsenic	1.77	*	1	0.21	1.12	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-39-3	Barium	16.4		1	0.81	5.58	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-41-7	Beryllium	0.12	J	1	0.028	0.34	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-43-9	Cadmium	0.027	U	1	0.027	0.34	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-70-2	Calcium	42.3	J	1	12.4	112	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-47-3	Chromium	2.72	*	1	0.052	0.56	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-48-4	Cobalt	0.48	J	1	0.11	1.67	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-50-8	Copper	4.60		1	0.25	1.12	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7439-89-6	Iron	5030	*	1	4.45	5.58	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7439-92-1	Lead	1.44		1	0.14	0.67	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7439-95-4	Magnesium	28.9	J	1	13.4	112	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7439-96-5	Manganese	6.24		1	0.16	1.12	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.017	mg/Kg	05/19/25 13:50	05/20/25 14:27	7471B	
7440-02-0	Nickel	0.43	J	1	0.14	2.23	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-09-7	Potassium	35.2	JN	1	30.9	112	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.12	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.56	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-23-5	Sodium	35.7	J	1	19.8	112	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.23	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-62-2	Vanadium	6.23	*	1	0.28	2.23	mg/Kg	05/20/25 12:15	05/21/25 19:53	6010D	SW3050
7440-66-6	Zinc	2.74		1	0.26	2.23	mg/Kg	05/20/25 12:15	05/21/25 19:53	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