

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-15	SDG No.:	Q2074
Lab Sample ID:	Q2074-03	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	5090		1	0.88	5.25	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.62	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-38-2	Arsenic	2.18	*	1	0.20	1.05	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-39-3	Barium	26.4		1	0.77	5.25	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-41-7	Beryllium	0.29	J	1	0.026	0.32	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-43-9	Cadmium	0.21	J	1	0.025	0.32	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-70-2	Calcium	314		1	11.7	105	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-47-3	Chromium	8.23	*	1	0.049	0.53	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-48-4	Cobalt	1.91		1	0.11	1.57	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-50-8	Copper	6.10		1	0.23	1.05	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7439-89-6	Iron	6820	*	1	4.19	5.25	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7439-92-1	Lead	18.0		1	0.14	0.63	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7439-95-4	Magnesium	326		1	12.6	105	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7439-96-5	Manganese	28.7		1	0.15	1.05	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7439-97-6	Mercury	0.057		1	0.0080	0.014	mg/Kg	05/19/25 13:50	05/20/25 14:22	7471B	
7440-02-0	Nickel	4.10		1	0.14	2.10	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-09-7	Potassium	127	N	1	29.1	105	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.05	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.53	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-23-5	Sodium	300		1	18.7	105	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-28-0	Thallium	0.28	J	1	0.24	2.10	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-62-2	Vanadium	13.4	*	1	0.26	2.10	mg/Kg	05/20/25 12:15	05/21/25 19:45	6010D	SW3050
7440-66-6	Zinc	31.9		1	0.24	2.10	mg/Kg	05/20/25 12:15	05/21/25 19:45	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