

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-40	SDG No.:	Q2074
Lab Sample ID:	Q2074-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2050		1	0.88	5.21	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.61	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-38-2	Arsenic	2.26	*	1	0.20	1.04	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-39-3	Barium	15.9		1	0.76	5.21	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-41-7	Beryllium	0.18	J	1	0.026	0.31	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-43-9	Cadmium	0.065	J	1	0.025	0.31	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-70-2	Calcium	636		1	11.6	104	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-47-3	Chromium	7.76	*	1	0.049	0.52	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-48-4	Cobalt	0.65	J	1	0.10	1.56	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-50-8	Copper	9.10		1	0.23	1.04	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7439-89-6	Iron	7070	*	1	4.16	5.21	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7439-92-1	Lead	13.3		1	0.14	0.63	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7439-95-4	Magnesium	136		1	12.5	104	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7439-96-5	Manganese	11.9		1	0.15	1.04	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7439-97-6	Mercury	0.027		1	0.0070	0.013	mg/Kg	05/19/25 13:50	05/20/25 14:36	7471B	
7440-02-0	Nickel	1.09	J	1	0.14	2.09	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-09-7	Potassium	180	N	1	28.9	104	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.04	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.52	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-23-5	Sodium	514		1	18.6	104	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-28-0	Thallium	0.36	J	1	0.24	2.09	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-62-2	Vanadium	13.8	*	1	0.26	2.09	mg/Kg	05/20/25 12:15	05/21/25 20:10	6010D	SW3050
7440-66-6	Zinc	22.0		1	0.24	2.09	mg/Kg	05/20/25 12:15	05/21/25 20:10	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