

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-7	SDG No.:	Q2074
Lab Sample ID:	Q2074-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6120		1	0.85	5.08	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.54	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-38-2	Arsenic	2.20	*	1	0.19	1.02	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-39-3	Barium	16.5		1	0.74	5.08	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-41-7	Beryllium	0.45		1	0.025	0.31	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-43-9	Cadmium	0.35		1	0.024	0.31	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-70-2	Calcium	190		1	11.3	102	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-47-3	Chromium	8.71	*	1	0.048	0.51	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-48-4	Cobalt	4.61		1	0.10	1.52	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-50-8	Copper	3.87		1	0.22	1.02	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7439-89-6	Iron	12100	*	1	4.05	5.08	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7439-92-1	Lead	3.49		1	0.13	0.61	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7439-95-4	Magnesium	226		1	12.2	102	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7439-96-5	Manganese	38.7		1	0.14	1.02	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7439-97-6	Mercury	0.011	J	1	0.0090	0.015	mg/Kg	05/19/25 13:50	05/20/25 14:20	7471B	
7440-02-0	Nickel	4.00		1	0.13	2.03	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-09-7	Potassium	144	N	1	28.1	102	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.02	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-23-5	Sodium	274		1	18.1	102	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-28-0	Thallium	0.70	J	1	0.23	2.03	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-62-2	Vanadium	11.4	*	1	0.25	2.03	mg/Kg	05/20/25 12:15	05/21/25 19:41	6010D	SW3050
7440-66-6	Zinc	10.4		1	0.23	2.03	mg/Kg	05/20/25 12:15	05/21/25 19:41	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