

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3850	*	1	0.86	5.09	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.55	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-38-2	Arsenic	2.11		1	0.19	1.02	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-39-3	Barium	21.5	N*	1	0.74	5.09	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-41-7	Beryllium	0.49		1	0.025	0.31	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-43-9	Cadmium	0.22	J	1	0.024	0.31	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-70-2	Calcium	3400	*	1	11.3	102	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-47-3	Chromium	9.40		1	0.048	0.51	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-48-4	Cobalt	2.07		1	0.10	1.53	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-50-8	Copper	4.74		1	0.22	1.02	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-89-6	Iron	6200	*	1	4.06	5.09	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-92-1	Lead	18.8		1	0.13	0.61	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-95-4	Magnesium	1510	*	1	12.2	102	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-96-5	Manganese	31.0		1	0.14	1.02	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7439-97-6	Mercury	0.011	J	1	0.0080	0.014	mg/Kg	06/02/25 08:35	06/03/25 14:25	7471B	
7440-02-0	Nickel	3.30		1	0.13	2.04	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-09-7	Potassium	218	*	1	28.2	102	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.02	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-23-5	Sodium	209	N*	1	18.1	102	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.04	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-62-2	Vanadium	16.1		1	0.26	2.04	mg/Kg	06/02/25 13:05	06/10/25 21:32	6010D	SW3050
7440-66-6	Zinc	12.6	N	1	0.23	2.04	mg/Kg	06/02/25 13:05	06/10/25 21:32	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