

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1980	*	1	0.82	4.86	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.43	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-38-2	Arsenic	4.40		1	0.19	0.97	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-39-3	Barium	9.70	N*	1	0.71	4.86	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-41-7	Beryllium	0.84		1	0.024	0.29	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-43-9	Cadmium	1.73		1	0.023	0.29	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-70-2	Calcium	639	*	1	10.8	97.1	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-47-3	Chromium	0.63		1	0.046	0.49	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-48-4	Cobalt	2.85		1	0.097	1.46	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-50-8	Copper	10.9		1	0.21	0.97	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-89-6	Iron	51100	*	1	3.88	4.86	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-92-1	Lead	7.82		1	0.13	0.58	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-95-4	Magnesium	178	*	1	11.7	97.1	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-96-5	Manganese	18.2		1	0.14	0.97	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7439-97-6	Mercury	0.0090	J	1	0.0080	0.014	mg/Kg	06/02/25 08:35	06/03/25 14:00	7471B	
7440-02-0	Nickel	3.40		1	0.13	1.94	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-09-7	Potassium	183	*	1	26.9	97.1	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.97	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.49	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-23-5	Sodium	143	N*	1	17.3	97.1	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-28-0	Thallium	2.00		1	0.22	1.94	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-62-2	Vanadium	12.8		1	0.24	1.94	mg/Kg	06/02/25 13:05	06/10/25 20:43	6010D	SW3050
7440-66-6	Zinc	63.0	N	1	0.22	1.94	mg/Kg	06/02/25 13:05	06/10/25 20:43	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