

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-32	SDG No.:	Q2032
Lab Sample ID:	Q2032-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4640	*	1	0.81	4.84	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.42	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-38-2	Arsenic	2.14		1	0.18	0.97	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-39-3	Barium	20.9	N	1	0.71	4.84	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-41-7	Beryllium	0.39		1	0.024	0.29	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-43-9	Cadmium	0.14	J	1	0.023	0.29	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-70-2	Calcium	147	*	1	10.8	96.8	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-47-3	Chromium	5.85		1	0.046	0.48	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-48-4	Cobalt	2.63		1	0.097	1.45	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-50-8	Copper	4.25		1	0.21	0.97	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7439-89-6	Iron	10600	*	1	3.86	4.84	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7439-92-1	Lead	22.1	*	1	0.13	0.58	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7439-95-4	Magnesium	242	N*	1	11.6	96.8	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7439-96-5	Manganese	49.6	N*	1	0.14	0.97	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7439-97-6	Mercury	0.069		1	0.0090	0.016	mg/Kg	05/15/25 08:55	05/15/25 14:30	7471B	
7440-02-0	Nickel	3.02		1	0.13	1.94	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-09-7	Potassium	93.4	JN	1	26.8	96.8	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7782-49-2	Selenium	0.25	UN	1	0.25	0.97	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.48	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-23-5	Sodium	66.9	JN*	1	17.2	96.8	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-28-0	Thallium	0.61	J	1	0.22	1.94	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-62-2	Vanadium	13.9	N*	1	0.24	1.94	mg/Kg	05/15/25 10:05	05/20/25 15:27	6010D	SW3050
7440-66-6	Zinc	9.33	N	1	0.22	1.94	mg/Kg	05/15/25 10:05	05/20/25 15:27	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