

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-37	SDG No.:	Q2032
Lab Sample ID:	Q2032-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3890	*	1	0.95	5.66	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.83	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-38-2	Arsenic	5.80		1	0.22	1.13	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-39-3	Barium	36.0	N	1	0.83	5.66	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-41-7	Beryllium	0.39		1	0.028	0.34	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-43-9	Cadmium	0.049	J	1	0.027	0.34	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-70-2	Calcium	763	*	1	12.6	113	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-47-3	Chromium	16.7		1	0.053	0.57	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-48-4	Cobalt	1.68	J	1	0.11	1.70	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-50-8	Copper	6.43		1	0.25	1.13	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7439-89-6	Iron	11700	*	1	4.52	5.66	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7439-92-1	Lead	7.40	*	1	0.15	0.68	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7439-95-4	Magnesium	182	N*	1	13.6	113	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7439-96-5	Manganese	18.1	N*	1	0.16	1.13	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7439-97-6	Mercury	0.021		1	0.0090	0.017	mg/Kg	05/15/25 08:55	05/15/25 14:20	7471B	
7440-02-0	Nickel	4.26		1	0.15	2.27	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-09-7	Potassium	127	N	1	31.4	113	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	1.13	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-22-4	Silver	0.14	UN	1	0.14	0.57	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-23-5	Sodium	150	N*	1	20.2	113	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-28-0	Thallium	0.80	J	1	0.26	2.27	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-62-2	Vanadium	23.6	N*	1	0.28	2.27	mg/Kg	05/15/25 10:05	05/20/25 15:23	6010D	SW3050
7440-66-6	Zinc	20.7	N	1	0.26	2.27	mg/Kg	05/15/25 10:05	05/20/25 15:23	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