

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-29-99	SDG No.:	Q2032
Lab Sample ID:	Q2032-03	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	4670	*	1	0.91	5.41	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.70	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-38-2	Arsenic	3.71		1	0.21	1.08	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-39-3	Barium	27.3	N	1	0.79	5.41	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-41-7	Beryllium	0.41		1	0.027	0.33	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.33	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-70-2	Calcium	641	*	1	12.0	108	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-47-3	Chromium	10.3		1	0.051	0.54	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-48-4	Cobalt	1.82		1	0.11	1.62	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-50-8	Copper	5.19		1	0.24	1.08	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7439-89-6	Iron	16400	*	1	4.32	5.41	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7439-92-1	Lead	14.3	*	1	0.14	0.65	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7439-95-4	Magnesium	308	N*	1	13.0	108	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7439-96-5	Manganese	49.9	N*	1	0.15	1.08	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7439-97-6	Mercury	0.14		1	0.0090	0.016	mg/Kg	05/15/25 08:55	05/15/25 14:06	7471B	
7440-02-0	Nickel	3.76		1	0.14	2.16	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-09-7	Potassium	192	N	1	30.0	108	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	1.08	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.54	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-23-5	Sodium	198	N*	1	19.3	108	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-28-0	Thallium	0.99	J	1	0.25	2.16	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-62-2	Vanadium	19.1	N*	1	0.27	2.16	mg/Kg	05/15/25 10:05	05/20/25 14:54	6010D	SW3050
7440-66-6	Zinc	12.8	N	1	0.25	2.16	mg/Kg	05/15/25 10:05	05/20/25 14:54	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