

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5780		1	0.98	5.80	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.90	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-38-2	Arsenic	1.81	N	1	0.22	1.16	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-39-3	Barium	31.4		1	0.85	5.80	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-41-7	Beryllium	0.49	N	1	0.029	0.35	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-70-2	Calcium	560	N	1	12.9	116	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-47-3	Chromium	11.2	N	1	0.055	0.58	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-48-4	Cobalt	3.32		1	0.12	1.74	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-50-8	Copper	8.28	N	1	0.26	1.16	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-89-6	Iron	8230		1	4.63	5.80	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-92-1	Lead	9.47		1	0.15	0.70	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-95-4	Magnesium	903	N	1	13.9	116	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-96-5	Manganese	29.5		1	0.16	1.16	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7439-97-6	Mercury	0.018		1	0.0090	0.017	mg/Kg	05/09/25 16:05	05/12/25 10:25	7471B	
7440-02-0	Nickel	6.62		1	0.15	2.32	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-09-7	Potassium	298	N	1	32.2	116	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	1.16	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-22-4	Silver	0.14	UN	1	0.14	0.58	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-23-5	Sodium	94.5	JN	1	20.7	116	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.32	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-62-2	Vanadium	17.0	N	1	0.29	2.32	mg/Kg	05/09/25 10:05	05/13/25 20:31	6010D	SW3050
7440-66-6	Zinc	21.2	N	1	0.27	2.32	mg/Kg	05/09/25 10:05	05/13/25 20:31	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