

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-23-99	SDG No.:	Q2543
Lab Sample ID:	Q2543-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3400		1	0.86	5.11	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.56	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-38-2	Arsenic	2.44		1	0.19	1.02	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-39-3	Barium	7.93	N	1	0.75	5.11	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-41-7	Beryllium	0.39		1	0.026	0.31	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-70-2	Calcium	120		1	11.4	102	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-47-3	Chromium	4.73		1	0.048	0.51	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-48-4	Cobalt	1.09	J	1	0.10	1.53	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-50-8	Copper	6.28		1	0.23	1.02	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-89-6	Iron	12400		1	4.08	5.11	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-92-1	Lead	5.18		1	0.13	0.61	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-95-4	Magnesium	244		1	12.3	102	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-96-5	Manganese	17.2		1	0.14	1.02	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-97-6	Mercury	0.0090	UN	1	0.0090	0.016	mg/Kg	07/10/25 16:00	07/11/25 15:06	7471B	
7440-02-0	Nickel	2.17		1	0.13	2.05	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-09-7	Potassium	170		1	28.3	102	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.02	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-23-5	Sodium	415		1	18.2	102	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-28-0	Thallium	0.38	J	1	0.24	2.05	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-62-2	Vanadium	13.8	N	1	0.26	2.05	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-66-6	Zinc	9.37		1	0.24	2.05	mg/Kg	07/10/25 10:15	07/11/25 02:19	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