

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-49	SDG No.:	Q2543
Lab Sample ID:	Q2543-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	73.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4000		1	1.01	6.04	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-36-0	Antimony	0.27	UN	1	0.27	3.02	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-38-2	Arsenic	22.2		1	0.23	1.21	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-39-3	Barium	21.9	N	1	0.88	6.04	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-41-7	Beryllium	0.79		1	0.030	0.36	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-43-9	Cadmium	0.029	U	1	0.029	0.36	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-70-2	Calcium	799		1	13.4	121	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-47-3	Chromium	11.3		1	0.057	0.60	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-48-4	Cobalt	1.67	J	1	0.12	1.81	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-50-8	Copper	19.3		1	0.27	1.21	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-89-6	Iron	27000		1	4.82	6.04	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-92-1	Lead	19.1		1	0.16	0.73	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-95-4	Magnesium	234		1	14.5	121	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-96-5	Manganese	10.9		1	0.17	1.21	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-97-6	Mercury	0.037	N	1	0.0090	0.017	mg/Kg	07/10/25 16:00	07/11/25 14:51	7471B	
7440-02-0	Nickel	2.31	J	1	0.16	2.42	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-09-7	Potassium	410		1	33.5	121	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	1.21	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.60	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-23-5	Sodium	487		1	21.5	121	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-28-0	Thallium	1.42	J	1	0.28	2.42	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-62-2	Vanadium	48.5	N	1	0.30	2.42	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-66-6	Zinc	15.8		1	0.28	2.42	mg/Kg	07/10/25 10:15	07/11/25 02:11	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