

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-91	SDG No.:	Q2529
Lab Sample ID:	Q2529-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6380		1	0.82	4.87	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.43	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-38-2	Arsenic	14.1		1	0.19	0.97	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-39-3	Barium	14.3		1	0.71	4.87	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-41-7	Beryllium	1.39		1	0.024	0.29	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-70-2	Calcium	10.8	UN	1	10.8	97.4	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-47-3	Chromium	13.0		1	0.046	0.49	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-48-4	Cobalt	2.63		1	0.097	1.46	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-50-8	Copper	6.67		1	0.21	0.97	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-89-6	Iron	38900		1	3.88	4.87	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-92-1	Lead	11.1		1	0.13	0.58	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-95-4	Magnesium	329	N	1	11.7	97.4	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-96-5	Manganese	24.0	N	1	0.14	0.97	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-97-6	Mercury	0.041		1	0.0080	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:08	7471B	
7440-02-0	Nickel	5.31		1	0.13	1.95	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-09-7	Potassium	851		1	27.0	97.4	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.97	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-22-4	Silver	0.28	J	1	0.12	0.49	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-23-5	Sodium	422	N	1	17.3	97.4	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-28-0	Thallium	1.56	J	1	0.22	1.95	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-62-2	Vanadium	36.0		1	0.24	1.95	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-66-6	Zinc	29.3		1	0.22	1.95	mg/Kg	07/09/25 10:35	07/10/25 20:58	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