

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3850		1	0.97	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.89	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-38-2	Arsenic	4.05		1	0.22	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-39-3	Barium	24.2		1	0.84	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.029	0.35	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-70-2	Calcium	1970		1	12.8	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-47-3	Chromium	7.63		1	0.054	0.58	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-48-4	Cobalt	1.40	J	1	0.12	1.73	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-50-8	Copper	32.0	N*	1	0.25	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-89-6	Iron	23200		1	4.61	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-92-1	Lead	62.4		1	0.15	0.69	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-95-4	Magnesium	385		1	13.9	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-96-5	Manganese	78.7		1	0.16	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-97-6	Mercury	0.090		1	0.010	0.018	mg/Kg	07/01/25 14:10	07/02/25 11:56	7471B	
7440-02-0	Nickel	3.71		1	0.15	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-09-7	Potassium	503	N	1	32.0	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7782-49-2	Selenium	5.64		1	0.30	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-22-4	Silver	1.02		1	0.14	0.58	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-23-5	Sodium	173		1	20.6	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-28-0	Thallium	0.53	J	1	0.27	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-62-2	Vanadium	17.2	N	1	0.29	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-66-6	Zinc	35.6	N	1	0.27	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	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