

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4650		1	0.87	5.19	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.59	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-38-2	Arsenic	4.63		1	0.20	1.04	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-39-3	Barium	36.7	*	1	0.76	5.19	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-41-7	Beryllium	0.55	N*	1	0.026	0.31	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-43-9	Cadmium	0.22	J*	1	0.025	0.31	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-70-2	Calcium	1150	*	1	11.5	104	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-47-3	Chromium	8.57	*	1	0.049	0.52	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-48-4	Cobalt	4.55		1	0.10	1.56	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-50-8	Copper	18.6	N*	1	0.23	1.04	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-89-6	Iron	19100		1	4.14	5.19	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-92-1	Lead	29.9		1	0.14	0.62	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-95-4	Magnesium	598		1	12.4	104	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-96-5	Manganese	80.2		1	0.14	1.04	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-97-6	Mercury	0.044		1	0.0080	0.014	mg/Kg	05/30/25 08:35	05/30/25 13:40	7471B	
7440-02-0	Nickel	7.26		1	0.14	2.07	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-09-7	Potassium	334	N*	1	28.7	104	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.04	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.52	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-23-5	Sodium	179	N	1	18.5	104	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.07	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-62-2	Vanadium	22.7		1	0.26	2.07	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-66-6	Zinc	23.6		1	0.24	2.07	mg/Kg	05/30/25 09:40	06/02/25 18:16	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