

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3310	*	1	0.87	5.16	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.58	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-38-2	Arsenic	7.72		1	0.20	1.03	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-39-3	Barium	14.2	N*	1	0.75	5.16	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-41-7	Beryllium	0.62		1	0.026	0.31	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-43-9	Cadmium	0.89		1	0.025	0.31	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-70-2	Calcium	8050	*	1	11.4	103	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-47-3	Chromium	8.12		1	0.048	0.52	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-48-4	Cobalt	1.63		1	0.10	1.55	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-50-8	Copper	4.15		1	0.23	1.03	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-89-6	Iron	25000	*	1	4.11	5.16	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-92-1	Lead	7.64		1	0.13	0.62	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-95-4	Magnesium	1570	*	1	12.4	103	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-96-5	Manganese	22.4		1	0.14	1.03	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7439-97-6	Mercury	0.028		1	0.0090	0.016	mg/Kg	06/02/25 08:35	06/03/25 14:02	7471B	
7440-02-0	Nickel	2.90		1	0.13	2.06	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-09-7	Potassium	357	*	1	28.6	103	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.03	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.52	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-23-5	Sodium	108	N*	1	18.4	103	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-28-0	Thallium	0.64	J	1	0.24	2.06	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-62-2	Vanadium	18.7		1	0.26	2.06	mg/Kg	06/02/25 13:05	06/10/25 20:47	6010D	SW3050
7440-66-6	Zinc	25.6	N	1	0.24	2.06	mg/Kg	06/02/25 13:05	06/10/25 20:47	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