

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-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3290		1	0.93	5.53	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.76	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-38-2	Arsenic	3.50		1	0.21	1.11	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-39-3	Barium	9.87	*	1	0.81	5.53	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-41-7	Beryllium	0.38	N*	1	0.028	0.33	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-43-9	Cadmium	0.027	U*	1	0.027	0.33	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-70-2	Calcium	481	*	1	12.3	111	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-47-3	Chromium	7.74	*	1	0.052	0.55	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-48-4	Cobalt	1.09	J	1	0.11	1.66	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-50-8	Copper	3.46	N*	1	0.24	1.11	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-89-6	Iron	15000		1	4.41	5.53	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-92-1	Lead	6.90		1	0.14	0.66	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-95-4	Magnesium	206		1	13.3	111	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-96-5	Manganese	22.9		1	0.16	1.11	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-97-6	Mercury	0.016		1	0.0090	0.016	mg/Kg	05/30/25 08:35	05/30/25 13:44	7471B	
7440-02-0	Nickel	1.96	J	1	0.14	2.21	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-09-7	Potassium	186	N*	1	30.6	111	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.11	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.55	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-23-5	Sodium	239	N	1	19.7	111	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.21	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-62-2	Vanadium	19.8		1	0.28	2.21	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-66-6	Zinc	5.58		1	0.25	2.21	mg/Kg	05/30/25 09:40	06/02/25 18:33	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