

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/16/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	DUPE-1-SC	SDG No.:	Q2085
Lab Sample ID:	Q2085-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2170	N	1	0.34	0.93	1.86	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-36-0	Antimony	0.070	U*	1	0.042	0.070	0.19	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-38-2	Arsenic	1.74	N	1	0.011	0.023	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-39-3	Barium	8.35		1	0.031	0.12	0.93	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-41-7	Beryllium	0.15		1	0.030	0.070	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-43-9	Cadmium	0.046	J	1	0.017	0.070	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-70-2	Calcium	246		1	4.46	17.7	46.5	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-47-3	Chromium	4.20		1	0.024	0.047	0.19	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-48-4	Cobalt	1.78		1	0.0080	0.023	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-50-8	Copper	2.73		1	0.060	0.093	0.19	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-89-6	Iron	4240	N	1	0.86	1.16	4.65	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-92-1	Lead	2.85		1	0.030	0.070	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-95-4	Magnesium	838		1	1.80	17.7	46.5	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-96-5	Manganese	35.8		1	0.032	0.047	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-97-6	Mercury	0.013	U	1	0.0090	0.013	0.016	mg/Kg	05/27/25 13:44	05/29/25 12:50	7471B	
7440-02-0	Nickel	3.54		1	0.040	0.070	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-09-7	Potassium	375		1	3.57	17.7	46.5	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7782-49-2	Selenium	0.42	U	1	0.26	0.42	0.47	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-22-4	Silver	0.047	UN	1	0.024	0.047	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-23-5	Sodium	2230		1	6.53	23.3	46.5	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-28-0	Thallium	0.039	J	1	0.013	0.047	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-62-2	Vanadium	4.78		1	0.010	0.023	0.47	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-66-6	Zinc	14.4	*	1	0.084	0.14	0.47	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group2			

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