

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/15/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	SC-3-SED-051525	SDG No.:	Q2085
Lab Sample ID:	Q2085-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	73.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6540	N	1	0.42	1.18	2.36	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-36-0	Antimony	0.088	U*	1	0.053	0.088	0.24	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-38-2	Arsenic	5.41	N	1	0.014	0.029	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-39-3	Barium	27.4		1	0.039	0.15	1.18	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-41-7	Beryllium	0.25		1	0.038	0.088	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-43-9	Cadmium	0.078	J	1	0.021	0.088	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-70-2	Calcium	268		1	5.64	22.4	58.9	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-47-3	Chromium	13.6		1	0.031	0.059	0.24	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-48-4	Cobalt	2.29		1	0.011	0.029	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-50-8	Copper	8.56		1	0.077	0.12	0.24	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-89-6	Iron	10100	N	1	1.08	1.47	5.89	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-92-1	Lead	6.12		1	0.038	0.088	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-95-4	Magnesium	1660		1	2.27	22.4	58.9	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-96-5	Manganese	52.8		1	0.040	0.059	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	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 12:05	7471B	
7440-02-0	Nickel	6.71		1	0.051	0.088	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-09-7	Potassium	899		1	4.52	22.4	58.9	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7782-49-2	Selenium	0.53	U	1	0.33	0.53	0.59	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-22-4	Silver	0.059	UN	1	0.031	0.059	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-23-5	Sodium	1860		1	8.27	29.5	58.9	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-28-0	Thallium	0.058	J	1	0.016	0.059	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-62-2	Vanadium	19.3		1	0.013	0.029	0.59	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-66-6	Zinc	24.3	*	1	0.11	0.18	0.59	mg/Kg	05/21/25 10:20	05/21/25 17:32	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