

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: LOD-LOQ-MDL Study
Client Sample ID: MDL-SOIL-03-QT3-2025
Lab Sample ID: Q2893-03
Level (low/med): low

Date Collected: 08/18/25
Date Received: 08/18/25
SDG No.: Q2893
Matrix: SOIL
% Solid: 100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2.31	J	1	1.68	10.0	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-36-0	Antimony	1.63	J	1	0.44	5.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-38-2	Arsenic	0.72	J	1	0.38	2.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-39-3	Barium	2.54	J	1	1.46	10.0	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-41-7	Beryllium	0.15	J	1	0.050	0.60	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-43-9	Cadmium	0.14	J	1	0.048	0.60	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-70-2	Calcium	53.0	J	1	22.2	200	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-47-3	Chromium	0.25	J	1	0.094	1.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-48-4	Cobalt	0.74	J	1	0.20	3.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-50-8	Copper	0.60	J	1	0.44	2.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7439-89-6	Iron	7.98	U	1	7.98	10.0	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7439-92-1	Lead	0.32	J	1	0.26	1.20	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7439-95-4	Magnesium	51.4	J	1	24.0	200	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7439-96-5	Manganese	0.52	J	1	0.28	2.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-02-0	Nickel	0.98	J	1	0.26	4.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-09-7	Potassium	79.2	J	1	55.4	200	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7782-49-2	Selenium	0.52	U	1	0.52	2.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-22-4	Silver	0.24	U	1	0.24	1.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-23-5	Sodium	85.0	J	1	35.6	200	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-28-0	Thallium	1.52	J	1	0.46	4.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-62-2	Vanadium	1.10	J	1	0.50	4.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050
7440-66-6	Zinc	1.04	J	1	0.46	4.00	mg/Kg	10/15/25 09:30	10/17/25 13:56	6010D	SW3050

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