

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: LOD-LOQ-MDL Study
Client Sample ID: LOD-MDL-SOIL-01-QT3-2025
Lab Sample ID: Q2893-01
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	1.56	J	1	0.36	2.00	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-36-0	Antimony	0.075	J	1	0.045	0.20	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-38-2	Arsenic	0.079	J	1	0.012	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-39-3	Barium	0.37	J	1	0.033	1.00	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-41-7	Beryllium	0.079	J	1	0.032	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-43-9	Cadmium	0.083	J	1	0.018	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-70-2	Calcium	6.64	J	1	4.79	50.0	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-47-3	Chromium	0.055	J	1	0.026	0.20	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-48-4	Cobalt	0.080	J	1	0.0090	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-50-8	Copper	0.14	J	1	0.065	0.20	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7439-89-6	Iron	3.34	J	1	0.92	5.00	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7439-92-1	Lead	0.069	J	1	0.032	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7439-95-4	Magnesium	7.29	J	1	1.93	50.0	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7439-96-5	Manganese	0.14		1	0.034	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7439-98-7	Molybdenum	0.079	U	1	0.079	0.50	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-02-0	Nickel	0.097	J	1	0.043	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-09-7	Potassium	4.26	J	1	3.84	50.0	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	0.50	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-22-4	Silver	0.077	J	1	0.026	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-23-5	Sodium	7.92	J	1	7.02	50.0	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-24-6	Strontium	0.070	J	1	0.052	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-28-0	Thallium	0.072	J	1	0.014	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-31-5	Tin	0.071	J	1	0.032	0.50	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-32-6	Titanium	0.073	U	1	0.073	0.50	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-61-1	Uranium	0.065	J	1	0	0.10	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-62-2	Vanadium	0.077	J	1	0.011	0.50	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	SW3050
7440-66-6	Zinc	0.10	J	1	0.090	0.50	mg/Kg	08/15/25 09:40	08/25/25 18:09	6020B	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