

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: LOD-LOQ-MDL Study
Client Sample ID: LOD-MDL-WATER-01-QT3-2025
Lab Sample ID: Q2893-07
Level (low/med): low

Date Collected: 08/18/25
Date Received: 08/18/25
SDG No.: Q2893
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	84.6	J	1	11.3	100	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-36-0	Antimony	40.5	J	1	6.76	50.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-38-2	Arsenic	15.3	J	1	5.12	20.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-39-3	Barium	77.0	J	1	14.6	100	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-41-7	Beryllium	4.78	J	1	0.56	6.00	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-43-9	Cadmium	4.29	J	1	0.50	6.00	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-70-2	Calcium	1580	J	1	234	2000	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-47-3	Chromium	7.72	J	1	2.12	10.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-48-4	Cobalt	22.0	J	1	2.26	30.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-50-8	Copper	16.9	J	1	4.60	20.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7439-89-6	Iron	83.8	J	1	23.4	100	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7439-92-1	Lead	8.98	J	1	2.30	12.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7439-95-4	Magnesium	1600	J	1	244	2000	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7439-96-5	Manganese	16.8	J	1	5.94	20.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-02-0	Nickel	29.7	J	1	3.06	40.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-09-7	Potassium	1680	J	1	918	2000	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7782-49-2	Selenium	15.0	J	1	9.64	20.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-22-4	Silver	7.34	J	1	1.62	10.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-23-5	Sodium	1750	J	1	868	2000	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-28-0	Thallium	35.5	J	1	4.38	40.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-62-2	Vanadium	29.3	J	1	6.26	40.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A
7440-66-6	Zinc	31.4	J	1	16.7	40.0	ug/L	10/15/25 08:30	10/17/25 14:00	6010D	M3010A

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