

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	15.3	J	1	1.94	20.0	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-36-0	Antimony	0.75	J	1	0.11	2.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-38-2	Arsenic	0.72	J	1	0.089	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-39-3	Barium	3.73	J	1	0.21	10.0	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-41-7	Beryllium	0.82	J	1	0.32	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-43-9	Cadmium	0.74	J	1	0.34	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-70-2	Calcium	74.3	J	1	45.7	500	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-47-3	Chromium	1.07	J	1	0.21	2.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-48-4	Cobalt	0.79	J	1	0.070	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-50-8	Copper	1.46	J	1	0.30	2.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7439-89-6	Iron	49.2	J	1	7.81	50.0	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7439-92-1	Lead	0.71	J	1	0.21	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7439-95-4	Magnesium	80.0	J	1	19.5	500	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7439-96-5	Manganese	1.52		1	0.43	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7439-98-7	Molybdenum	0.79	J	1	0.27	5.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-02-0	Nickel	1.46		1	0.27	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-09-7	Potassium	47.1	J	1	36.4	500	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-22-4	Silver	0.76	J	1	0.060	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-23-5	Sodium	128	U	1	128	500	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-24-6	Strontium	0.72	J	1	0.084	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-28-0	Thallium	0.71	J	1	0.060	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-31-5	Tin	0.70	J	1	0.31	5.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-32-6	Titanium	0.75	J	1	0.20	5.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-61-1	Uranium	0.64	J	1	0	1.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-62-2	Vanadium	0.74	J	1	0.077	5.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A
7440-66-6	Zinc	2.37	J	1	1.25	5.00	ug/L	08/15/25 09:20	08/25/25 18:28	6020B	3010A

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