

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: LOD-LOQ-MDL Study
Client Sample ID: MDL-WATER-06-QT3-2025
Lab Sample ID: Q2893-12
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	8.50	J	1	3.80	20.0	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-36-0	Antimony	0.38	J	1	0.32	2.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-38-2	Arsenic	0.40	J	1	0.14	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-39-3	Barium	1.87	J	1	0.29	10.0	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-41-7	Beryllium	0.44	J	1	0.26	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-43-9	Cadmium	0.33	J	1	0.14	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-70-2	Calcium	189	J	1	91.5	500	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-47-3	Chromium	0.047	U	1	0.047	2.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-48-4	Cobalt	0.41	J	1	0.050	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-50-8	Copper	0.86	J	1	0.65	2.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7439-89-6	Iron	15.7	J	1	1.96	50.0	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7439-92-1	Lead	0.36	J	1	0.27	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7439-95-4	Magnesium	188	J	1	20.0	500	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7439-96-5	Manganese	0.76	J	1	0.19	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7439-98-7	Molybdenum	0.67	U	1	0.67	5.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-02-0	Nickel	0.57	J	1	0.15	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-09-7	Potassium	130	J	1	23.8	500	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7782-49-2	Selenium	2.86	U	1	2.86	5.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-22-4	Silver	0.39	J	1	0.15	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-23-5	Sodium	195	J	1	107	500	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-28-0	Thallium	0.36	J	1	0.11	1.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-31-5	Tin	0.35	U	1	0.35	5.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-32-6	Titanium	0.59	U	1	0.59	5.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-62-2	Vanadium	0.42	J	1	0.11	5.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8
7440-66-6	Zinc	0.76	J	1	0.62	5.00	ug/L	08/15/25 09:20	08/25/25 18:38	200.8	M200.8

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