

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: LOD-LOQ-MDL Study
Client Sample ID: LOQ-WATER-05-QT3-2025
Lab Sample ID: Q2893-11
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	115		1	30.8	100	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-36-0	Antimony	47.7	J	1	5.44	50.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-38-2	Arsenic	17.8	J	1	3.70	20.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-39-3	Barium	91.0	J	1	19.5	100	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-41-7	Beryllium	6.10		1	0.54	6.00	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-42-8	Boron	100		1	13.8	100	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-43-9	Cadmium	5.36	J	1	0.62	6.00	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-70-2	Calcium	1960	J	1	173	2000	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-47-3	Chromium	9.65	J	1	1.06	10.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-48-4	Cobalt	27.7	J	1	2.32	30.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-50-8	Copper	20.7		1	3.78	20.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7439-89-6	Iron	103		1	36.0	100	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7439-92-1	Lead	10.3	J	1	2.42	12.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7439-95-4	Magnesium	2000		1	208	2000	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7439-96-5	Manganese	20.2		1	4.92	20.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7439-98-7	Molybdenum	192	J	1	17.6	200	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-02-0	Nickel	37.0	J	1	3.80	40.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-09-7	Potassium	1720	J	1	618	2000	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7782-49-2	Selenium	21.5		1	5.04	20.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-21-3	Silicon	316	J	1	37.4	400	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-22-4	Silver	10.0		1	1.62	10.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-23-5	Sodium	1810	J	1	734	2000	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-28-0	Thallium	31.5	J	1	5.02	40.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-31-5	Tin	35.7	J	1	5.36	40.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-32-6	Titanium	35.5	J	1	7.82	40.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-62-2	Vanadium	34.5	J	1	4.98	40.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7
7440-66-6	Zinc	44.4		1	4.00	40.0	ug/L	10/14/25 09:45	10/16/25 14:07	EPA 200.7	M200.7

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