

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/23/25
Project:	LOD-LOQ-MDL Study	Date Received:	05/23/25
Client Sample ID:	MDL-WATER-03-QT2-2025	SDG No.:	Q2126
Lab Sample ID:	Q2126-09	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	70.3	J	1	11.3	100	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7429-90-5	Aluminum	111		1	11.3	100	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-36-0	Antimony	40.2	J	1	6.76	50.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-36-0	Antimony	37.8	J	1	6.76	50.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-38-2	Arsenic	14.9	J	1	5.12	20.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-38-2	Arsenic	14.0	J	1	5.12	20.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-39-3	Barium	84.8	J	1	14.6	100	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-39-3	Barium	76.2	J	1	14.6	100	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-41-7	Beryllium	4.74	J	1	0.56	6.00	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-41-7	Beryllium	5.08	J	1	0.56	6.00	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-43-9	Cadmium	4.36	J	1	0.50	6.00	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-43-9	Cadmium	4.09	J	1	0.50	6.00	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-70-2	Calcium	1590	J	1	234	2000	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-47-3	Chromium	5.84	J	1	2.12	10.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-47-3	Chromium	8.76	J	1	2.12	10.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-48-4	Cobalt	21.6	J	1	2.26	30.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-50-8	Copper	15.3	J	1	4.60	20.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-50-8	Copper	17.5	J	1	4.60	20.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7439-89-6	Iron	65.1	J	1	23.4	100	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7439-92-1	Lead	9.20	J	1	2.30	12.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7439-92-1	Lead	9.10	J	1	2.30	12.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7439-95-4	Magnesium	1630	J	1	244	2000	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7439-96-5	Manganese	15.1	J	1	5.94	20.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7439-96-5	Manganese	16.8	J	1	5.94	20.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-02-0	Nickel	30.8	J	1	3.06	40.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-02-0	Nickel	29.6	J	1	3.06	40.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-09-7	Potassium	1590	J	1	918	2000	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7782-49-2	Selenium	12.8	J	1	9.64	20.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7782-49-2	Selenium	18.0	J	1	9.64	20.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-22-4	Silver	7.78	J	1	1.62	10.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-22-4	Silver	7.81	J	1	1.62	10.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-23-5	Sodium	1370	J	1	868	2000	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-28-0	Thallium	32.8	J	1	4.38	40.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-28-0	Thallium	30.9	J	1	4.38	40.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-62-2	Vanadium	35.2	J	1	6.26	40.0	ug/L	06/18/25 16:40	08/01/25 15:34	6010D	SW3010
7440-62-2	Vanadium	31.1	J	1	6.26	40.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010
7440-66-6	Zinc	29.9	J	1	16.7	40.0	ug/L	06/18/25 16:40	08/01/25 15:21	6010D	SW3010

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Lab Sample ID:	Q2126-09	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
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Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals ICP-TAL			

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