

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/23/25
Project:	LOD-LOQ Study	Date Received:	01/23/25
Client Sample ID:	LOD-MDL-WATER-04-QT1-2025	SDG No.:	Q1168
Lab Sample ID:	Q1168-10	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	14.8	J	1	3.80	20.0	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-36-0	Antimony	0.75	J	1	0.32	2.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-38-2	Arsenic	0.84	J	1	0.14	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-39-3	Barium	3.65	J	1	0.29	10.0	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-41-7	Beryllium	0.86	J	1	0.26	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-43-9	Cadmium	0.94	J	1	0.14	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-70-2	Calcium	91.5	U	1	91.5	500	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-47-3	Chromium	1.28	J	1	0.047	2.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-48-4	Cobalt	0.75	J	1	0.050	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-50-8	Copper	1.57	J	1	0.65	2.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7439-89-6	Iron	40.9	J	1	1.96	50.0	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7439-92-1	Lead	0.68	J	1	0.27	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7439-95-4	Magnesium	69.5	J	1	20.0	500	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7439-96-5	Manganese	1.52		1	0.19	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7439-98-7	Molybdenum	0.73	J	1	0.67	5.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-02-0	Nickel	1.11		1	0.15	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-09-7	Potassium	25.7	J	1	23.8	500	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7782-49-2	Selenium	2.86	U	1	2.86	5.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-22-4	Silver	0.80	J	1	0.15	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-23-5	Sodium	107	U	1	107	500	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-28-0	Thallium	0.70	J	1	0.11	1.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-31-5	Tin	0.76	J	1	0.35	5.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-32-6	Titanium	0.78	J	1	0.59	5.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-62-2	Vanadium	0.76	J	1	0.11	5.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	
7440-66-6	Zinc	1.85	J	1	0.62	5.00	ug/L	04/08/25 10:35	04/09/25 18:58	200.8	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group7			

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