

Hit Summary Sheet SW-846

SDG No.: Q1172

Order ID: Q1172

Client: Chemtech Consulting Group

Project ID: NJ Drinking Water PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-MIN-WS								
Q1172-03	PT-MIN-WS	Water	Calcium	50900		104	2000	ug/L
Q1172-03	PT-MIN-WS	Water	Calcium Hardness	127000		260	4990	ug/L
Q1172-03	PT-MIN-WS	Water	Magnesium	5700		122	2000	ug/L
Q1172-03	PT-MIN-WS	Water	Potassium	32800		562	2000	ug/L
Q1172-03	PT-MIN-WS	Water	Sodium	24100		896	2000	ug/L
Q1172-03	PT-MIN-WS	Water	Hardness, Total	151000		762	13200	ug/L
Client ID : PT-TM-WS								
Q1172-04	PT-TM-WS	Water	Aluminum	491		21.2	100	ug/L
Q1172-04	PT-TM-WS	Water	Antimony	20.1	J	5.92	50.0	ug/L
Q1172-04	PT-TM-WS	Water	Barium	1740		22.6	100	ug/L
Q1172-04	PT-TM-WS	Water	Beryllium	16.4		0.38	6.00	ug/L
Q1172-04	PT-TM-WS	Water	Boron	1520		10.7	100	ug/L
Q1172-04	PT-TM-WS	Water	Cadmium	24.0		0.42	6.00	ug/L
Q1172-04	PT-TM-WS	Water	Chromium	23.5		1.04	10.0	ug/L
Q1172-04	PT-TM-WS	Water	Copper	733		3.04	20.0	ug/L
Q1172-04	PT-TM-WS	Water	Iron	1450		24.8	100	ug/L
Q1172-04	PT-TM-WS	Water	Lead	19.9		3.14	12.0	ug/L
Q1172-04	PT-TM-WS	Water	Manganese	819		1.74	20.0	ug/L
Q1172-04	PT-TM-WS	Water	Molybdenum	51.1	J	10.2	200	ug/L
Q1172-04	PT-TM-WS	Water	Nickel	212		2.56	40.0	ug/L
Q1172-04	PT-TM-WS	Water	Selenium	27.3		6.14	20.0	ug/L
Q1172-04	PT-TM-WS	Water	Silver	238		1.66	10.0	ug/L
Q1172-04	PT-TM-WS	Water	Thallium	5.33	J	4.42	40.0	ug/L
Q1172-04	PT-TM-WS	Water	Vanadium	290		4.80	40.0	ug/L
Q1172-04	PT-TM-WS	Water	Zinc	223		2.88	40.0	ug/L
Client ID : PT-HG-WS								
Q1172-05	PT-HG-WS	Water	Mercury	7.94		0.022	0.20	ug/L
Client ID : PT-SIO2-WS								
Q1172-06	PT-SIO2-WS	Water	Dissolved Silica	10900		128	856	ug/L



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/13/25
Project:	NJ Drinking Water PT	Date Received:	01/15/25
Client Sample ID:	PT-MIN-WS	SDG No.:	Q1172
Lab Sample ID:	Q1172-03	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.
7440-70-2	Calcium	50900	1	104		2000	ug/L	02/12/25 10:00	02/18/25 14:06	EPA 200.7	
Calcium	Calcium	127000	1	260		4990	ug/L	02/12/25 10:00	02/18/25 14:06	EPA 200.7	
Hardness	Hardness										
Hardness	Hardness, Total	151000	1	762		13200	ug/L	02/12/25 10:00	02/18/25 14:06	EPA 200.7	
7439-95-4	Magnesium	5700	1	122		2000	ug/L	02/12/25 10:00	02/18/25 14:06	EPA 200.7	
7440-09-7	Potassium	32800	1	562		2000	ug/L	02/12/25 10:00	02/18/25 14:06	EPA 200.7	
7440-23-5	Sodium	24100	1	896		2000	ug/L	02/12/25 10:00	02/18/25 14:06	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Hardness, Calcium			

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/13/25
Project:	NJ Drinking Water PT	Date Received:	01/15/25
Client Sample ID:	PT-TM-WS	SDG No.:	Q1172
Lab Sample ID:	Q1172-04	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	491		1	21.2	100	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-36-0	Antimony	20.1	J	1	5.92	50.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-38-2	Arsenic	5.68	U	1	5.68	20.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-39-3	Barium	1740		1	22.6	100	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-41-7	Beryllium	16.4		1	0.38	6.00	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-42-8	Boron	1520		1	10.7	100	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-43-9	Cadmium	24.0		1	0.42	6.00	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-47-3	Chromium	23.5		1	1.04	10.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-50-8	Copper	733		1	3.04	20.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7439-89-6	Iron	1450		1	24.8	100	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7439-92-1	Lead	19.9		1	3.14	12.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7439-96-5	Manganese	819		1	1.74	20.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7439-98-7	Molybdenum	51.1	J	1	10.2	200	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-02-0	Nickel	212		1	2.56	40.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7782-49-2	Selenium	27.3		1	6.14	20.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-22-4	Silver	238		1	1.66	10.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-28-0	Thallium	5.33	J	1	4.42	40.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-62-2	Vanadium	290		1	4.80	40.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	
7440-66-6	Zinc	223		1	2.88	40.0	ug/L	02/12/25 10:00	02/12/25 16:55	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group6			

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/13/25
Project:	NJ Drinking Water PT	Date Received:	01/15/25
Client Sample ID:	PT-HG-WS	SDG No.:	Q1172
Lab Sample ID:	Q1172-05	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.
7439-97-6	Mercury	7.94		1	0.022	0.20	ug/L	02/11/25 11:50	02/11/25 16:06	E245.1	

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments: Mercury

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/13/25
Project:	NJ Drinking Water PT	Date Received:	01/15/25
Client Sample ID:	PT-SIO2-WS	SDG No.:	Q1172
Lab Sample ID:	Q1172-06	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.
Dissolved Silica	Dissolved Silica	10900	1	128		856	ug/L	02/12/25 10:00	02/18/25 14:10	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Silica			

U = Not Detected
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J = Estimated Value
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 OR = Over Range
 N =Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID: Q1172
Client: Chemtech Consulting Group
Contact: QA Officer

OrderDate: 1/23/2025 2:53:00 PM
Project: NJ Drinking Water PT
Location: QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1172-03	PT-MIN-WS	Water	Hardness, Calcium	SM2340B	01/13/25	02/12/25	02/18/25	01/15/25
			Metals Group3	200.7		02/12/25	02/18/25	
Q1172-04	PT-TM-WS	Water	Metals Group6	200.7	01/13/25	02/12/25	02/12/25	01/15/25
			Metals Group7	200.8		02/11/25	02/14/25	
Q1172-05	PT-HG-WS	Water	Mercury	245.1	01/13/25	02/11/25	02/11/25	01/15/25
Q1172-06	PT-SIO2-WS	Water	Silica	200.7	01/13/25	02/12/25	02/18/25	01/15/25