

LAB CHRONICLE

OrderID:	Q1172	OrderDate:	1/23/2025 2:53:00 PM
Client:	Chemtech Consulting Group	Project:	NJ Drinking Water PT
Contact:	QA Officer	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

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

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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 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-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

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-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
 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
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 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV96	Mercury	3.85	4.0	96	95 - 105	CV	02/11/2025	15:17	LB134671

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV56	Mercury	5.24	5.0	105	90 - 110	CV	02/11/2025	15:21	LB134671
CCV57	Mercury	5.01	5.0	100	90 - 110	CV	02/11/2025	15:59	LB134671
CCV58	Mercury	5.17	5.0	103	90 - 110	CV	02/11/2025	16:20	LB134671

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2420	2500	97	95 - 105	P	02/12/2025	12:59	LB134704
	Antimony	1010	1000	101	95 - 105	P	02/12/2025	12:59	LB134704
	Arsenic	998	1000	100	95 - 105	P	02/12/2025	12:59	LB134704
	Barium	545	520	105	95 - 105	P	02/12/2025	12:59	LB134704
	Beryllium	501	510	98	95 - 105	P	02/12/2025	12:59	LB134704
	Boron	2620	2500	105	95 - 105	P	02/12/2025	12:59	LB134704
	Cadmium	505	510	99	95 - 105	P	02/12/2025	12:59	LB134704
	Calcium	9700	10000	97	95 - 105	P	02/12/2025	12:59	LB134704
	Chromium	528	520	102	95 - 105	P	02/12/2025	12:59	LB134704
	Copper	520	510	102	95 - 105	P	02/12/2025	12:59	LB134704
	Iron	10400	10000	104	95 - 105	P	02/12/2025	12:59	LB134704
	Lead	987	1000	99	95 - 105	P	02/12/2025	12:59	LB134704
	Magnesium	6290	6000	105	95 - 105	P	02/12/2025	12:59	LB134704
	Manganese	496	520	95	95 - 105	P	02/12/2025	12:59	LB134704
	Molybdenum	2480	2500	99	95 - 105	P	02/12/2025	12:59	LB134704
	Nickel	514	530	97	95 - 105	P	02/12/2025	12:59	LB134704
	Potassium	10100	9900	102	95 - 105	P	02/12/2025	12:59	LB134704
	Selenium	1030	1000	103	95 - 105	P	02/12/2025	12:59	LB134704
	Silver	247	250	99	95 - 105	P	02/12/2025	12:59	LB134704
	Sodium	10300	10000	103	95 - 105	P	02/12/2025	12:59	LB134704
	Thallium	1020	1000	102	95 - 105	P	02/12/2025	12:59	LB134704
	Vanadium	517	500	103	95 - 105	P	02/12/2025	12:59	LB134704
	Zinc	1010	1000	101	95 - 105	P	02/12/2025	12:59	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	95.9	100	96	80 - 120	P	02/12/2025	13:08	LB134704
	Antimony	49.5	50.0	99	80 - 120	P	02/12/2025	13:08	LB134704
	Arsenic	19.2	20.0	96	80 - 120	P	02/12/2025	13:08	LB134704
	Barium	97.5	100	98	80 - 120	P	02/12/2025	13:08	LB134704
	Beryllium	5.68	6.0	95	80 - 120	P	02/12/2025	13:08	LB134704
	Boron	91.1	100	91	80 - 120	P	02/12/2025	13:08	LB134704
	Cadmium	5.79	6.0	96	80 - 120	P	02/12/2025	13:08	LB134704
	Calcium	1990	2000	99	80 - 120	P	02/12/2025	13:08	LB134704
	Chromium	10.2	10.0	102	80 - 120	P	02/12/2025	13:08	LB134704
	Copper	21.9	20.0	110	80 - 120	P	02/12/2025	13:08	LB134704
	Iron	102	100	102	80 - 120	P	02/12/2025	13:08	LB134704
	Lead	10.4	12.0	87	80 - 120	P	02/12/2025	13:08	LB134704
	Magnesium	2110	2000	105	80 - 120	P	02/12/2025	13:08	LB134704
	Manganese	19.8	20.0	99	80 - 120	P	02/12/2025	13:08	LB134704
	Molybdenum	203	200	102	80 - 120	P	02/12/2025	13:08	LB134704
	Nickel	39.3	40.0	98	80 - 120	P	02/12/2025	13:08	LB134704
	Potassium	2090	2000	104	80 - 120	P	02/12/2025	13:08	LB134704
	Selenium	18.5	20.0	92	80 - 120	P	02/12/2025	13:08	LB134704
	Silver	10.2	10.0	102	80 - 120	P	02/12/2025	13:08	LB134704
	Sodium	2090	2000	104	80 - 120	P	02/12/2025	13:08	LB134704
	Thallium	39.9	40.0	100	80 - 120	P	02/12/2025	13:08	LB134704
	Vanadium	38.4	40.0	96	80 - 120	P	02/12/2025	13:08	LB134704
	Zinc	42.2	40.0	106	80 - 120	P	02/12/2025	13:08	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
 Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9840	10000	98	90 - 110	P	02/12/2025	13:39	LB134704
	Antimony	4950	5000	99	90 - 110	P	02/12/2025	13:39	LB134704
	Arsenic	4980	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Barium	10100	10000	101	90 - 110	P	02/12/2025	13:39	LB134704
	Beryllium	246	250	98	90 - 110	P	02/12/2025	13:39	LB134704
	Boron	4890	5000	98	90 - 110	P	02/12/2025	13:39	LB134704
	Cadmium	2500	2500	100	90 - 110	P	02/12/2025	13:39	LB134704
	Calcium	25000	25000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Chromium	999	1000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Copper	1260	1250	101	90 - 110	P	02/12/2025	13:39	LB134704
	Iron	5110	5000	102	90 - 110	P	02/12/2025	13:39	LB134704
	Lead	5000	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Magnesium	25000	25000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Manganese	2520	2500	101	90 - 110	P	02/12/2025	13:39	LB134704
	Molybdenum	4980	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Nickel	2500	2500	100	90 - 110	P	02/12/2025	13:39	LB134704
	Potassium	25100	25000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Selenium	4980	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Silver	1240	1250	99	90 - 110	P	02/12/2025	13:39	LB134704
	Sodium	25200	25000	101	90 - 110	P	02/12/2025	13:39	LB134704
CCV02	Thallium	5020	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Vanadium	2490	2500	100	90 - 110	P	02/12/2025	13:39	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	13:39	LB134704
	Aluminum	9980	10000	100	90 - 110	P	02/12/2025	14:29	LB134704
	Antimony	5040	5000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Arsenic	5040	5000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Barium	10000	10000	100	90 - 110	P	02/12/2025	14:29	LB134704
	Beryllium	247	250	99	90 - 110	P	02/12/2025	14:29	LB134704
	Boron	4870	5000	98	90 - 110	P	02/12/2025	14:29	LB134704
	Cadmium	2540	2500	102	90 - 110	P	02/12/2025	14:29	LB134704
	Calcium	25100	25000	100	90 - 110	P	02/12/2025	14:29	LB134704
	Chromium	1030	1000	103	90 - 110	P	02/12/2025	14:29	LB134704
	Copper	1270	1250	102	90 - 110	P	02/12/2025	14:29	LB134704
	Iron	5210	5000	104	90 - 110	P	02/12/2025	14:29	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Lead	5060	5000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Magnesium	25200	25000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Manganese	2500	2500	100	90 - 110	P	02/12/2025	14:29	LB134704
	Molybdenum	5090	5000	102	90 - 110	P	02/12/2025	14:29	LB134704
	Nickel	2530	2500	101	90 - 110	P	02/12/2025	14:29	LB134704
	Potassium	26000	25000	104	90 - 110	P	02/12/2025	14:29	LB134704
	Selenium	5040	5000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Silver	1270	1250	102	90 - 110	P	02/12/2025	14:29	LB134704
	Sodium	26300	25000	105	90 - 110	P	02/12/2025	14:29	LB134704
	Thallium	5160	5000	103	90 - 110	P	02/12/2025	14:29	LB134704
	Vanadium	2510	2500	100	90 - 110	P	02/12/2025	14:29	LB134704
	Zinc	2520	2500	101	90 - 110	P	02/12/2025	14:29	LB134704
CCV03	Aluminum	9920	10000	99	90 - 110	P	02/12/2025	15:20	LB134704
	Antimony	4990	5000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Arsenic	4960	5000	99	90 - 110	P	02/12/2025	15:20	LB134704
	Barium	10000	10000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Beryllium	243	250	97	90 - 110	P	02/12/2025	15:20	LB134704
	Boron	4820	5000	96	90 - 110	P	02/12/2025	15:20	LB134704
	Cadmium	2490	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
	Calcium	24900	25000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	15:20	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	15:20	LB134704
	Iron	5160	5000	103	90 - 110	P	02/12/2025	15:20	LB134704
	Lead	4980	5000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Magnesium	24900	25000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Manganese	2470	2500	99	90 - 110	P	02/12/2025	15:20	LB134704
	Molybdenum	5050	5000	101	90 - 110	P	02/12/2025	15:20	LB134704
	Nickel	2490	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
	Potassium	26000	25000	104	90 - 110	P	02/12/2025	15:20	LB134704
	Selenium	4970	5000	99	90 - 110	P	02/12/2025	15:20	LB134704
	Silver	1260	1250	101	90 - 110	P	02/12/2025	15:20	LB134704
	Sodium	26600	25000	106	90 - 110	P	02/12/2025	15:20	LB134704
	Thallium	5070	5000	101	90 - 110	P	02/12/2025	15:20	LB134704
	Vanadium	2490	2500	99	90 - 110	P	02/12/2025	15:20	LB134704

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Zinc	2510	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
CCV04	Aluminum	9770	10000	98	90 - 110	P	02/12/2025	16:13	LB134704
	Antimony	4820	5000	96	90 - 110	P	02/12/2025	16:13	LB134704
	Arsenic	4870	5000	97	90 - 110	P	02/12/2025	16:13	LB134704
	Barium	9830	10000	98	90 - 110	P	02/12/2025	16:13	LB134704
	Beryllium	245	250	98	90 - 110	P	02/12/2025	16:13	LB134704
	Boron	4800	5000	96	90 - 110	P	02/12/2025	16:13	LB134704
	Cadmium	2500	2500	100	90 - 110	P	02/12/2025	16:13	LB134704
	Calcium	24900	25000	100	90 - 110	P	02/12/2025	16:13	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	16:13	LB134704
	Copper	1240	1250	99	90 - 110	P	02/12/2025	16:13	LB134704
	Iron	5120	5000	102	90 - 110	P	02/12/2025	16:13	LB134704
	Lead	4970	5000	99	90 - 110	P	02/12/2025	16:13	LB134704
	Magnesium	25200	25000	101	90 - 110	P	02/12/2025	16:13	LB134704
	Manganese	2480	2500	99	90 - 110	P	02/12/2025	16:13	LB134704
	Molybdenum	4920	5000	98	90 - 110	P	02/12/2025	16:13	LB134704
	Nickel	2490	2500	100	90 - 110	P	02/12/2025	16:13	LB134704
	Potassium	25000	25000	100	90 - 110	P	02/12/2025	16:13	LB134704
	Selenium	4810	5000	96	90 - 110	P	02/12/2025	16:13	LB134704
	Silver	1250	1250	100	90 - 110	P	02/12/2025	16:13	LB134704
	Sodium	26200	25000	105	90 - 110	P	02/12/2025	16:13	LB134704
	Thallium	4760	5000	95	90 - 110	P	02/12/2025	16:13	LB134704
	Vanadium	2470	2500	99	90 - 110	P	02/12/2025	16:13	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	16:13	LB134704
CCV05	Aluminum	9750	10000	98	90 - 110	P	02/12/2025	17:04	LB134704
	Antimony	4870	5000	97	90 - 110	P	02/12/2025	17:04	LB134704
	Arsenic	4890	5000	98	90 - 110	P	02/12/2025	17:04	LB134704
	Barium	9700	10000	97	90 - 110	P	02/12/2025	17:04	LB134704
	Beryllium	251	250	100	90 - 110	P	02/12/2025	17:04	LB134704
	Boron	4920	5000	98	90 - 110	P	02/12/2025	17:04	LB134704
	Cadmium	2490	2500	100	90 - 110	P	02/12/2025	17:04	LB134704
	Calcium	24700	25000	99	90 - 110	P	02/12/2025	17:04	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	17:04	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	17:04	LB134704

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Iron	5000	5000	100	90 - 110	P	02/12/2025	17:04	LB134704
	Lead	4970	5000	100	90 - 110	P	02/12/2025	17:04	LB134704
	Magnesium	25000	25000	100	90 - 110	P	02/12/2025	17:04	LB134704
	Manganese	2460	2500	98	90 - 110	P	02/12/2025	17:04	LB134704
	Molybdenum	4950	5000	99	90 - 110	P	02/12/2025	17:04	LB134704
	Nickel	2490	2500	100	90 - 110	P	02/12/2025	17:04	LB134704
	Potassium	24200	25000	97	90 - 110	P	02/12/2025	17:04	LB134704
	Selenium	4840	5000	97	90 - 110	P	02/12/2025	17:04	LB134704
	Silver	1250	1250	100	90 - 110	P	02/12/2025	17:04	LB134704
	Sodium	24800	25000	99	90 - 110	P	02/12/2025	17:04	LB134704
	Thallium	4720	5000	94	90 - 110	P	02/12/2025	17:04	LB134704
	Vanadium	2450	2500	98	90 - 110	P	02/12/2025	17:04	LB134704
	Zinc	2480	2500	99	90 - 110	P	02/12/2025	17:04	LB134704
CCV06	Aluminum	9860	10000	99	90 - 110	P	02/12/2025	17:55	LB134704
	Antimony	4890	5000	98	90 - 110	P	02/12/2025	17:55	LB134704
	Arsenic	4910	5000	98	90 - 110	P	02/12/2025	17:55	LB134704
	Barium	9930	10000	99	90 - 110	P	02/12/2025	17:55	LB134704
	Beryllium	250	250	100	90 - 110	P	02/12/2025	17:55	LB134704
	Boron	4910	5000	98	90 - 110	P	02/12/2025	17:55	LB134704
	Cadmium	2500	2500	100	90 - 110	P	02/12/2025	17:55	LB134704
	Calcium	25200	25000	101	90 - 110	P	02/12/2025	17:55	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	17:55	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	17:55	LB134704
	Iron	5180	5000	104	90 - 110	P	02/12/2025	17:55	LB134704
	Lead	4980	5000	100	90 - 110	P	02/12/2025	17:55	LB134704
	Magnesium	25400	25000	102	90 - 110	P	02/12/2025	17:55	LB134704
	Manganese	2530	2500	101	90 - 110	P	02/12/2025	17:55	LB134704
	Molybdenum	4960	5000	99	90 - 110	P	02/12/2025	17:55	LB134704
	Nickel	2500	2500	100	90 - 110	P	02/12/2025	17:55	LB134704
	Potassium	25100	25000	100	90 - 110	P	02/12/2025	17:55	LB134704
	Selenium	4860	5000	97	90 - 110	P	02/12/2025	17:55	LB134704
	Silver	1260	1250	101	90 - 110	P	02/12/2025	17:55	LB134704
	Sodium	25700	25000	103	90 - 110	P	02/12/2025	17:55	LB134704
	Thallium	4740	5000	95	90 - 110	P	02/12/2025	17:55	LB134704

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Vanadium	2510	2500	100	90 - 110	P	02/12/2025	17:55	LB134704
	Zinc	2490	2500	99	90 - 110	P	02/12/2025	17:55	LB134704
CCV07	Aluminum	9920	10000	99	90 - 110	P	02/12/2025	18:34	LB134704
	Antimony	5000	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Arsenic	5020	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Barium	9970	10000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Beryllium	245	250	98	90 - 110	P	02/12/2025	18:34	LB134704
	Boron	4820	5000	96	90 - 110	P	02/12/2025	18:34	LB134704
	Cadmium	2520	2500	101	90 - 110	P	02/12/2025	18:34	LB134704
	Calcium	24900	25000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	18:34	LB134704
	Copper	1270	1250	102	90 - 110	P	02/12/2025	18:34	LB134704
	Iron	5160	5000	103	90 - 110	P	02/12/2025	18:34	LB134704
	Lead	5020	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Magnesium	25100	25000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Manganese	2480	2500	99	90 - 110	P	02/12/2025	18:34	LB134704
	Molybdenum	5010	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Nickel	2510	2500	100	90 - 110	P	02/12/2025	18:34	LB134704
	Potassium	25400	25000	102	90 - 110	P	02/12/2025	18:34	LB134704
	Selenium	5000	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Silver	1260	1250	101	90 - 110	P	02/12/2025	18:34	LB134704
	Sodium	26100	25000	105	90 - 110	P	02/12/2025	18:34	LB134704
	Thallium	4800	5000	96	90 - 110	P	02/12/2025	18:34	LB134704
	Vanadium	2490	2500	100	90 - 110	P	02/12/2025	18:34	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	18:34	LB134704

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2590	2500	104	95 - 105	P	02/18/2025	11:58	LB134743
	Antimony	998	1000	100	95 - 105	P	02/18/2025	11:58	LB134743
	Arsenic	1020	1000	102	95 - 105	P	02/18/2025	11:58	LB134743
	Barium	513	520	99	95 - 105	P	02/18/2025	11:58	LB134743
	Beryllium	519	510	102	95 - 105	P	02/18/2025	11:58	LB134743
	Cadmium	496	510	97	95 - 105	P	02/18/2025	11:58	LB134743
	Calcium	9960	10000	100	95 - 105	P	02/18/2025	11:58	LB134743
	Chromium	514	520	99	95 - 105	P	02/18/2025	11:58	LB134743
	Copper	514	510	101	95 - 105	P	02/18/2025	11:58	LB134743
	Iron	9600	10000	96	95 - 105	P	02/18/2025	11:58	LB134743
	Lead	992	1000	99	95 - 105	P	02/18/2025	11:58	LB134743
	Magnesium	5740	6000	96	95 - 105	P	02/18/2025	11:58	LB134743
	Manganese	523	520	100	95 - 105	P	02/18/2025	11:58	LB134743
	Nickel	552	530	104	95 - 105	P	02/18/2025	11:58	LB134743
	Potassium	9440	9900	95	95 - 105	P	02/18/2025	11:58	LB134743
	Selenium	1020	1000	102	95 - 105	P	02/18/2025	11:58	LB134743
	Silver	250	250	100	95 - 105	P	02/18/2025	11:58	LB134743
	Sodium	10400	10000	104	95 - 105	P	02/18/2025	11:58	LB134743
	Thallium	1020	1000	102	95 - 105	P	02/18/2025	11:58	LB134743
	Vanadium	518	500	104	95 - 105	P	02/18/2025	11:58	LB134743
	Zinc	985	1000	98	95 - 105	P	02/18/2025	11:58	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	99.6	100	100	80 - 120	P	02/18/2025	12:10	LB134743
	Antimony	50.4	50.0	101	80 - 120	P	02/18/2025	12:10	LB134743
	Arsenic	23.3	20.0	116	80 - 120	P	02/18/2025	12:10	LB134743
	Barium	91.8	100	92	80 - 120	P	02/18/2025	12:10	LB134743
	Beryllium	5.62	6.0	94	80 - 120	P	02/18/2025	12:10	LB134743
	Cadmium	6.01	6.0	100	80 - 120	P	02/18/2025	12:10	LB134743
	Calcium	1940	2000	97	80 - 120	P	02/18/2025	12:10	LB134743
	Chromium	10.2	10.0	102	80 - 120	P	02/18/2025	12:10	LB134743
	Copper	21.8	20.0	109	80 - 120	P	02/18/2025	12:10	LB134743
	Iron	108	100	108	80 - 120	P	02/18/2025	12:10	LB134743
	Lead	12.0	12.0	100	80 - 120	P	02/18/2025	12:10	LB134743
	Magnesium	2000	2000	100	80 - 120	P	02/18/2025	12:10	LB134743
	Manganese	19.8	20.0	99	80 - 120	P	02/18/2025	12:10	LB134743
	Nickel	38.6	40.0	97	80 - 120	P	02/18/2025	12:10	LB134743
	Potassium	2010	2000	100	80 - 120	P	02/18/2025	12:10	LB134743
	Selenium	19.8	20.0	99	80 - 120	P	02/18/2025	12:10	LB134743
	Silver	10.4	10.0	104	80 - 120	P	02/18/2025	12:10	LB134743
	Sodium	2000	2000	100	80 - 120	P	02/18/2025	12:10	LB134743
	Thallium	37.6	40.0	94	80 - 120	P	02/18/2025	12:10	LB134743
	Vanadium	36.7	40.0	92	80 - 120	P	02/18/2025	12:10	LB134743
	Zinc	45.2	40.0	113	80 - 120	P	02/18/2025	12:10	LB134743

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
 Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9740	10000	97	90 - 110	P	02/18/2025	12:41	LB134743
	Antimony	4970	5000	99	90 - 110	P	02/18/2025	12:41	LB134743
	Arsenic	4940	5000	99	90 - 110	P	02/18/2025	12:41	LB134743
	Barium	9790	10000	98	90 - 110	P	02/18/2025	12:41	LB134743
	Beryllium	244	250	98	90 - 110	P	02/18/2025	12:41	LB134743
	Cadmium	2470	2500	99	90 - 110	P	02/18/2025	12:41	LB134743
	Calcium	24400	25000	98	90 - 110	P	02/18/2025	12:41	LB134743
	Chromium	1000	1000	100	90 - 110	P	02/18/2025	12:41	LB134743
	Copper	1250	1250	100	90 - 110	P	02/18/2025	12:41	LB134743
	Iron	5050	5000	101	90 - 110	P	02/18/2025	12:41	LB134743
	Lead	4940	5000	99	90 - 110	P	02/18/2025	12:41	LB134743
	Magnesium	24000	25000	96	90 - 110	P	02/18/2025	12:41	LB134743
	Manganese	2450	2500	98	90 - 110	P	02/18/2025	12:41	LB134743
	Nickel	2470	2500	99	90 - 110	P	02/18/2025	12:41	LB134743
	Potassium	25100	25000	100	90 - 110	P	02/18/2025	12:41	LB134743
	Selenium	4960	5000	99	90 - 110	P	02/18/2025	12:41	LB134743
	Silver	1250	1250	100	90 - 110	P	02/18/2025	12:41	LB134743
	Sodium	25100	25000	100	90 - 110	P	02/18/2025	12:41	LB134743
	Thallium	4960	5000	99	90 - 110	P	02/18/2025	12:41	LB134743
	Vanadium	2440	2500	98	90 - 110	P	02/18/2025	12:41	LB134743
	Zinc	2490	2500	100	90 - 110	P	02/18/2025	12:41	LB134743
CCV02	Aluminum	9690	10000	97	90 - 110	P	02/18/2025	13:32	LB134743
	Antimony	5060	5000	101	90 - 110	P	02/18/2025	13:32	LB134743
	Arsenic	5030	5000	101	90 - 110	P	02/18/2025	13:32	LB134743
	Barium	9440	10000	94	90 - 110	P	02/18/2025	13:32	LB134743
	Beryllium	244	250	98	90 - 110	P	02/18/2025	13:32	LB134743
	Cadmium	2470	2500	99	90 - 110	P	02/18/2025	13:32	LB134743
	Calcium	23700	25000	95	90 - 110	P	02/18/2025	13:32	LB134743
	Chromium	1000	1000	100	90 - 110	P	02/18/2025	13:32	LB134743
	Copper	1270	1250	102	90 - 110	P	02/18/2025	13:32	LB134743
	Iron	4880	5000	98	90 - 110	P	02/18/2025	13:32	LB134743
	Lead	4950	5000	99	90 - 110	P	02/18/2025	13:32	LB134743
	Magnesium	23400	25000	94	90 - 110	P	02/18/2025	13:32	LB134743
	Manganese	2360	2500	94	90 - 110	P	02/18/2025	13:32	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Nickel	2480	2500	99	90 - 110	P	02/18/2025	13:32	LB134743
	Potassium	24200	25000	97	90 - 110	P	02/18/2025	13:32	LB134743
	Selenium	5040	5000	101	90 - 110	P	02/18/2025	13:32	LB134743
	Silver	1250	1250	100	90 - 110	P	02/18/2025	13:32	LB134743
	Sodium	24500	25000	98	90 - 110	P	02/18/2025	13:32	LB134743
	Thallium	5050	5000	101	90 - 110	P	02/18/2025	13:32	LB134743
	Vanadium	2400	2500	96	90 - 110	P	02/18/2025	13:32	LB134743
	Zinc	2510	2500	100	90 - 110	P	02/18/2025	13:32	LB134743
CCV03	Aluminum	9760	10000	98	90 - 110	P	02/18/2025	14:23	LB134743
	Antimony	5040	5000	101	90 - 110	P	02/18/2025	14:23	LB134743
	Arsenic	5000	5000	100	90 - 110	P	02/18/2025	14:23	LB134743
	Barium	9690	10000	97	90 - 110	P	02/18/2025	14:23	LB134743
	Beryllium	235	250	94	90 - 110	P	02/18/2025	14:23	LB134743
	Cadmium	2450	2500	98	90 - 110	P	02/18/2025	14:23	LB134743
	Calcium	24100	25000	97	90 - 110	P	02/18/2025	14:23	LB134743
	Chromium	993	1000	99	90 - 110	P	02/18/2025	14:23	LB134743
	Copper	1260	1250	100	90 - 110	P	02/18/2025	14:23	LB134743
	Iron	4990	5000	100	90 - 110	P	02/18/2025	14:23	LB134743
	Lead	4910	5000	98	90 - 110	P	02/18/2025	14:23	LB134743
	Magnesium	23700	25000	95	90 - 110	P	02/18/2025	14:23	LB134743
	Manganese	2380	2500	95	90 - 110	P	02/18/2025	14:23	LB134743
	Nickel	2460	2500	98	90 - 110	P	02/18/2025	14:23	LB134743
	Potassium	25300	25000	101	90 - 110	P	02/18/2025	14:23	LB134743
	Selenium	5040	5000	101	90 - 110	P	02/18/2025	14:23	LB134743
	Silver	1240	1250	99	90 - 110	P	02/18/2025	14:23	LB134743
	Sodium	25700	25000	103	90 - 110	P	02/18/2025	14:23	LB134743
	Thallium	4980	5000	100	90 - 110	P	02/18/2025	14:23	LB134743
	Vanadium	2430	2500	97	90 - 110	P	02/18/2025	14:23	LB134743
	Zinc	2470	2500	99	90 - 110	P	02/18/2025	14:23	LB134743
CCV04	Aluminum	9370	10000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Antimony	4740	5000	95	90 - 110	P	02/18/2025	15:19	LB134743
	Arsenic	4680	5000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Barium	9380	10000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Beryllium	239	250	96	90 - 110	P	02/18/2025	15:19	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Cadmium	2340	2500	94	90 - 110	P	02/18/2025	15:19	LB134743
	Calcium	23300	25000	93	90 - 110	P	02/18/2025	15:19	LB134743
	Chromium	960	1000	96	90 - 110	P	02/18/2025	15:19	LB134743
	Copper	1200	1250	96	90 - 110	P	02/18/2025	15:19	LB134743
	Iron	4720	5000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Lead	4700	5000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Magnesium	22600	25000	90	90 - 110	P	02/18/2025	15:19	LB134743
	Manganese	2340	2500	94	90 - 110	P	02/18/2025	15:19	LB134743
	Nickel	2360	2500	94	90 - 110	P	02/18/2025	15:19	LB134743
	Potassium	23400	25000	93	90 - 110	P	02/18/2025	15:19	LB134743
	Selenium	4700	5000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Silver	1210	1250	96	90 - 110	P	02/18/2025	15:19	LB134743
	Sodium	23500	25000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Thallium	4830	5000	97	90 - 110	P	02/18/2025	15:19	LB134743
	Vanadium	2340	2500	94	90 - 110	P	02/18/2025	15:19	LB134743
	Zinc	2380	2500	95	90 - 110	P	02/18/2025	15:19	LB134743
CCV05	Aluminum	9430	10000	94	90 - 110	P	02/18/2025	16:06	LB134743
	Antimony	4950	5000	99	90 - 110	P	02/18/2025	16:06	LB134743
	Arsenic	4890	5000	98	90 - 110	P	02/18/2025	16:06	LB134743
	Barium	9720	10000	97	90 - 110	P	02/18/2025	16:06	LB134743
	Beryllium	229	250	92	90 - 110	P	02/18/2025	16:06	LB134743
	Cadmium	2390	2500	96	90 - 110	P	02/18/2025	16:06	LB134743
	Calcium	23300	25000	93	90 - 110	P	02/18/2025	16:06	LB134743
	Chromium	957	1000	96	90 - 110	P	02/18/2025	16:06	LB134743
	Copper	1240	1250	99	90 - 110	P	02/18/2025	16:06	LB134743
	Iron	4830	5000	97	90 - 110	P	02/18/2025	16:06	LB134743
	Lead	4790	5000	96	90 - 110	P	02/18/2025	16:06	LB134743
	Magnesium	22700	25000	91	90 - 110	P	02/18/2025	16:06	LB134743
	Manganese	2320	2500	93	90 - 110	P	02/18/2025	16:06	LB134743
	Nickel	2400	2500	96	90 - 110	P	02/18/2025	16:06	LB134743
	Potassium	24500	25000	98	90 - 110	P	02/18/2025	16:06	LB134743
	Selenium	4930	5000	99	90 - 110	P	02/18/2025	16:06	LB134743
	Silver	1210	1250	96	90 - 110	P	02/18/2025	16:06	LB134743
	Sodium	24700	25000	99	90 - 110	P	02/18/2025	16:06	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Thallium	4850	5000	97	90 - 110	P	02/18/2025	16:06	LB134743
	Vanadium	2340	2500	94	90 - 110	P	02/18/2025	16:06	LB134743
	Zinc	2360	2500	94	90 - 110	P	02/18/2025	16:06	LB134743

Metals

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CRDL STANDARD FOR AA & ICP

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.055	0.05	111	40 - 160	CV	02/11/2025	15:28	LB134671
CRI01	Aluminum	91.2	100	91	40 - 160	P	02/12/2025	13:17	LB134704
	Antimony	51.2	50.0	102	40 - 160	P	02/12/2025	13:17	LB134704
	Arsenic	19.8	20.0	99	40 - 160	P	02/12/2025	13:17	LB134704
	Barium	100.0	100	100	40 - 160	P	02/12/2025	13:17	LB134704
	Beryllium	5.74	6.0	96	40 - 160	P	02/12/2025	13:17	LB134704
	Boron	93.7	100	94	40 - 160	P	02/12/2025	13:17	LB134704
	Cadmium	5.89	6.0	98	40 - 160	P	02/12/2025	13:17	LB134704
	Calcium	2030	2000	101	40 - 160	P	02/12/2025	13:17	LB134704
	Chromium	10.1	10.0	101	40 - 160	P	02/12/2025	13:17	LB134704
	Copper	22.2	20.0	111	40 - 160	P	02/12/2025	13:17	LB134704
	Iron	102	100	102	40 - 160	P	02/12/2025	13:17	LB134704
	Lead	11.8	12.0	98	40 - 160	P	02/12/2025	13:17	LB134704
	Magnesium	2140	2000	107	40 - 160	P	02/12/2025	13:17	LB134704
	Manganese	20.1	20.0	101	40 - 160	P	02/12/2025	13:17	LB134704
	Molybdenum	207	200	103	40 - 160	P	02/12/2025	13:17	LB134704
	Nickel	40.4	40.0	101	40 - 160	P	02/12/2025	13:17	LB134704
	Potassium	2070	2000	104	40 - 160	P	02/12/2025	13:17	LB134704
	Selenium	19.5	20.0	98	40 - 160	P	02/12/2025	13:17	LB134704
	Silver	10.4	10.0	104	40 - 160	P	02/12/2025	13:17	LB134704
	Sodium	2070	2000	103	40 - 160	P	02/12/2025	13:17	LB134704
	Thallium	40.8	40.0	102	40 - 160	P	02/12/2025	13:17	LB134704
	Vanadium	39.2	40.0	98	40 - 160	P	02/12/2025	13:17	LB134704
	Zinc	43.0	40.0	108	40 - 160	P	02/12/2025	13:17	LB134704
CRI01	Aluminum	92.5	100	92	40 - 160	P	02/18/2025	12:18	LB134743
	Antimony	50.9	50.0	102	40 - 160	P	02/18/2025	12:18	LB134743
	Arsenic	22.9	20.0	114	40 - 160	P	02/18/2025	12:18	LB134743
	Barium	91.3	100	91	40 - 160	P	02/18/2025	12:18	LB134743
	Beryllium	5.61	6.0	94	40 - 160	P	02/18/2025	12:18	LB134743
	Cadmium	6.11	6.0	102	40 - 160	P	02/18/2025	12:18	LB134743
	Calcium	1930	2000	96	40 - 160	P	02/18/2025	12:18	LB134743
	Chromium	10.3	10.0	103	40 - 160	P	02/18/2025	12:18	LB134743
	Copper	21.9	20.0	110	40 - 160	P	02/18/2025	12:18	LB134743
	Iron	107	100	107	40 - 160	P	02/18/2025	12:18	LB134743
	Lead	13.4	12.0	111	40 - 160	P	02/18/2025	12:18	LB134743

Metals

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CRDL STANDARD FOR AA & ICP

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	1990	2000	100	40 - 160	P	02/18/2025	12:18	LB134743
	Manganese	19.9	20.0	100	40 - 160	P	02/18/2025	12:18	LB134743
	Nickel	39.0	40.0	98	40 - 160	P	02/18/2025	12:18	LB134743
	Potassium	1980	2000	99	40 - 160	P	02/18/2025	12:18	LB134743
	Selenium	19.6	20.0	98	40 - 160	P	02/18/2025	12:18	LB134743
	Silver	10.3	10.0	103	40 - 160	P	02/18/2025	12:18	LB134743
	Sodium	1980	2000	99	40 - 160	P	02/18/2025	12:18	LB134743
	Thallium	37.1	40.0	93	40 - 160	P	02/18/2025	12:18	LB134743
	Vanadium	36.8	40.0	92	40 - 160	P	02/18/2025	12:18	LB134743
	Zinc	44.3	40.0	111	40 - 160	P	02/18/2025	12:18	LB134743



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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Chemtech Consulting Group				SDG No.:	Q1172			
Contract:	CHEM02	Lab Code:	CHEM	Case No.:	Q1172	SAS No.:	Q1172		
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB96	Mercury	0.20	+/-0.20	U	0.20	CV	02/11/2025	15:19	LB134671

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group

SDG No.: Q1172

Contract: CHEM02

Lab Code: CHEM

Case No.: Q1172

SAS No.: Q1172

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB56	Mercury	0.20	+/-0.20	U	0.20	CV	02/11/2025	15:24	LB134671
CCB57	Mercury	0.20	+/-0.20	U	0.20	CV	02/11/2025	16:02	LB134671
CCB58	Mercury	0.20	+/-0.20	U	0.20	CV	02/11/2025	16:22	LB134671

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	02/12/2025	13:12	LB134704
	Antimony	50.0	+/-50.0	U	50.0	P	02/12/2025	13:12	LB134704
	Arsenic	20.0	+/-20.0	U	20.0	P	02/12/2025	13:12	LB134704
	Barium	100	+/-100	U	100	P	02/12/2025	13:12	LB134704
	Beryllium	6.00	+/-6.00	U	6.00	P	02/12/2025	13:12	LB134704
	Boron	100	+/-100	U	100	P	02/12/2025	13:12	LB134704
	Cadmium	6.00	+/-6.00	U	6.00	P	02/12/2025	13:12	LB134704
	Calcium	2000	+/-2000	U	2000	P	02/12/2025	13:12	LB134704
	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	13:12	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	13:12	LB134704
	Iron	100	+/-100	U	100	P	02/12/2025	13:12	LB134704
	Lead	12.0	+/-12.0	U	12.0	P	02/12/2025	13:12	LB134704
	Magnesium	2000	+/-2000	U	2000	P	02/12/2025	13:12	LB134704
	Manganese	20.0	+/-20.0	U	20.0	P	02/12/2025	13:12	LB134704
	Molybdenum	200	+/-200	U	200	P	02/12/2025	13:12	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	13:12	LB134704
	Potassium	2000	+/-2000	U	2000	P	02/12/2025	13:12	LB134704
	Selenium	20.0	+/-20.0	U	20.0	P	02/12/2025	13:12	LB134704
	Silver	10.0	+/-10.0	U	10.0	P	02/12/2025	13:12	LB134704
	Sodium	2000	+/-2000	U	2000	P	02/12/2025	13:12	LB134704
	Thallium	40.0	+/-40.0	U	40.0	P	02/12/2025	13:12	LB134704
	Vanadium	40.0	+/-40.0	U	40.0	P	02/12/2025	13:12	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	13:12	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	02/12/2025	13:43	LB134704
	Antimony	50.0	+/-50.0	U	50.0	P	02/12/2025	13:43	LB134704
	Arsenic	20.0	+/-20.0	U	20.0	P	02/12/2025	13:43	LB134704
	Barium	100	+/-100	U	100	P	02/12/2025	13:43	LB134704
	Beryllium	6.00	+/-6.00	U	6.00	P	02/12/2025	13:43	LB134704
	Boron	100	+/-100	U	100	P	02/12/2025	13:43	LB134704
	Cadmium	6.00	+/-6.00	U	6.00	P	02/12/2025	13:43	LB134704
	Calcium	2000	+/-2000	U	2000	P	02/12/2025	13:43	LB134704
	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	13:43	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	13:43	LB134704
	Iron	100	+/-100	U	100	P	02/12/2025	13:43	LB134704
	Lead	12.0	+/-12.0	U	12.0	P	02/12/2025	13:43	LB134704
	Magnesium	2000	+/-2000	U	2000	P	02/12/2025	13:43	LB134704
	Manganese	20.0	+/-20.0	U	20.0	P	02/12/2025	13:43	LB134704
	Molybdenum	200	+/-200	U	200	P	02/12/2025	13:43	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	13:43	LB134704
	Potassium	2000	+/-2000	U	2000	P	02/12/2025	13:43	LB134704
	Selenium	20.0	+/-20.0	U	20.0	P	02/12/2025	13:43	LB134704
	Silver	10.0	+/-10.0	U	10.0	P	02/12/2025	13:43	LB134704
	Sodium	2000	+/-2000	U	2000	P	02/12/2025	13:43	LB134704
	Thallium	40.0	+/-40.0	U	40.0	P	02/12/2025	13:43	LB134704
	Vanadium	40.0	+/-40.0	U	40.0	P	02/12/2025	13:43	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	13:43	LB134704
CCB02	Aluminum	100	+/-100	U	100	P	02/12/2025	14:33	LB134704
	Antimony	50.0	+/-50.0	U	50.0	P	02/12/2025	14:33	LB134704
	Arsenic	20.0	+/-20.0	U	20.0	P	02/12/2025	14:33	LB134704
	Barium	100	+/-100	U	100	P	02/12/2025	14:33	LB134704
	Beryllium	6.00	+/-6.00	U	6.00	P	02/12/2025	14:33	LB134704
	Boron	100	+/-100	U	100	P	02/12/2025	14:33	LB134704
	Cadmium	6.00	+/-6.00	U	6.00	P	02/12/2025	14:33	LB134704
	Calcium	2000	+/-2000	U	2000	P	02/12/2025	14:33	LB134704
	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	14:33	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	14:33	LB134704
	Iron	100	+/-100	U	100	P	02/12/2025	14:33	LB134704
	Lead	12.0	+/-12.0	U	12.0	P	02/12/2025	14:33	LB134704
	Magnesium	2000	+/-2000	U	2000	P	02/12/2025	14:33	LB134704
	Manganese	20.0	+/-20.0	U	20.0	P	02/12/2025	14:33	LB134704
	Molybdenum	200	+/-200	U	200	P	02/12/2025	14:33	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	14:33	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Potassium	2000	+/-2000	U	2000	P	02/12/2025	14:33	LB134704
	Selenium	20.0	+/-20.0	U	20.0	P	02/12/2025	14:33	LB134704
	Silver	10.0	+/-10.0	U	10.0	P	02/12/2025	14:33	LB134704
	Sodium	2000	+/-2000	U	2000	P	02/12/2025	14:33	LB134704
	Thallium	40.0	+/-40.0	U	40.0	P	02/12/2025	14:33	LB134704
	Vanadium	40.0	+/-40.0	U	40.0	P	02/12/2025	14:33	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	14:33	LB134704
CCB03	Aluminum	100	+/-100	U	100	P	02/12/2025	15:24	LB134704
	Antimony	50.0	+/-50.0	U	50.0	P	02/12/2025	15:24	LB134704
	Arsenic	20.0	+/-20.0	U	20.0	P	02/12/2025	15:24	LB134704
	Barium	100	+/-100	U	100	P	02/12/2025	15:24	LB134704
	Beryllium	6.00	+/-6.00	U	6.00	P	02/12/2025	15:24	LB134704
	Boron	100	+/-100	U	100	P	02/12/2025	15:24	LB134704
	Cadmium	6.00	+/-6.00	U	6.00	P	02/12/2025	15:24	LB134704
	Calcium	2000	+/-2000	U	2000	P	02/12/2025	15:24	LB134704
	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	15:24	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	15:24	LB134704
	Iron	100	+/-100	U	100	P	02/12/2025	15:24	LB134704
	Lead	12.0	+/-12.0	U	12.0	P	02/12/2025	15:24	LB134704
	Magnesium	2000	+/-2000	U	2000	P	02/12/2025	15:24	LB134704
	Manganese	20.0	+/-20.0	U	20.0	P	02/12/2025	15:24	LB134704
	Molybdenum	200	+/-200	U	200	P	02/12/2025	15:24	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	15:24	LB134704
	Potassium	2000	+/-2000	U	2000	P	02/12/2025	15:24	LB134704
	Selenium	20.0	+/-20.0	U	20.0	P	02/12/2025	15:24	LB134704
	Silver	10.0	+/-10.0	U	10.0	P	02/12/2025	15:24	LB134704
	Sodium	559	+/-2000	J	2000	P	02/12/2025	15:24	LB134704
	Thallium	40.0	+/-40.0	U	40.0	P	02/12/2025	15:24	LB134704
	Vanadium	40.0	+/-40.0	U	40.0	P	02/12/2025	15:24	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	15:24	LB134704
	Aluminum	100	+/-100	U	100	P	02/12/2025	16:17	LB134704
	Antimony	50.0	+/-50.0	U	50.0	P	02/12/2025	16:17	LB134704
	Arsenic	20.0	+/-20.0	U	20.0	P	02/12/2025	16:17	LB134704
	Barium	100	+/-100	U	100	P	02/12/2025	16:17	LB134704
	Beryllium	6.00	+/-6.00	U	6.00	P	02/12/2025	16:17	LB134704
	Boron	100	+/-100	U	100	P	02/12/2025	16:17	LB134704
	Cadmium	6.00	+/-6.00	U	6.00	P	02/12/2025	16:17	LB134704
	Calcium	2000	+/-2000	U	2000	P	02/12/2025	16:17	LB134704
	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	16:17	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group		SDG No.: Q1172							
Contract: CHEM02	Lab Code: CHEM	Case No.: Q1172	SAS No.: Q1172						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	16:17	LB134704
	Iron	100	+/-100	U	100	P	02/12/2025	16:17	LB134704
	Lead	12.0	+/-12.0	U	12.0	P	02/12/2025	16:17	LB134704
	Magnesium	2000	+/-2000	U	2000	P	02/12/2025	16:17	LB134704
	Manganese	20.0	+/-20.0	U	20.0	P	02/12/2025	16:17	LB134704
	Molybdenum	200	+/-200	U	200	P	02/12/2025	16:17	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	16:17	LB134704
	Potassium	2000	+/-2000	U	2000	P	02/12/2025	16:17	LB134704
	Selenium	20.0	+/-20.0	U	20.0	P	02/12/2025	16:17	LB134704
	Silver	10.0	+/-10.0	U	10.0	P	02/12/2025	16:17	LB134704
	Sodium	505	+/-2000	J	2000	P	02/12/2025	16:17	LB134704
	Thallium	40.0	+/-40.0	U	40.0	P	02/12/2025	16:17	LB134704
	Vanadium	40.0	+/-40.0	U	40.0	P	02/12/2025	16:17	LB134704
	Zinc	4.78	+/-40.0	J	40.0	P	02/12/2025	16:17	LB134704
CCB05	Aluminum	100	+/-100	U	100	P	02/12/2025	17:08	LB134704
	Antimony	50.0	+/-50.0	U	50.0	P	02/12/2025	17:08	LB134704
	Arsenic	20.0	+/-20.0	U	20.0	P	02/12/2025	17:08	LB134704
	Barium	100	+/-100	U	100	P	02/12/2025	17:08	LB134704
	Beryllium	6.00	+/-6.00	U	6.00	P	02/12/2025	17:08	LB134704
	Boron	100	+/-100	U	100	P	02/12/2025	17:08	LB134704
	Cadmium	6.00	+/-6.00	U	6.00	P	02/12/2025	17:08	LB134704
	Calcium	2000	+/-2000	U	2000	P	02/12/2025	17:08	LB134704
	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	17:08	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	17:08	LB134704
	Iron	100	+/-100	U	100	P	02/12/2025	17:08	LB134704
	Lead	12.0	+/-12.0	U	12.0	P	02/12/2025	17:08	LB134704
	Magnesium	2000	+/-2000	U	2000	P	02/12/2025	17:08	LB134704
	Manganese	20.0	+/-20.0	U	20.0	P	02/12/2025	17:08	LB134704
	Molybdenum	200	+/-200	U	200	P	02/12/2025	17:08	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	17:08	LB134704
	Potassium	2000	+/-2000	U	2000	P	02/12/2025	17:08	LB134704
	Selenium	20.0	+/-20.0	U	20.0	P	02/12/2025	17:08	LB134704
	Silver	10.0	+/-10.0	U	10.0	P	02/12/2025	17:08	LB134704
	Sodium	2000	+/-2000	U	2000	P	02/12/2025	17:08	LB134704
	Thallium	40.0	+/-40.0	U	40.0	P	02/12/2025	17:08	LB134704
	Vanadium	40.0	+/-40.0	U	40.0	P	02/12/2025	17:08	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	17:08	LB134704
CCB06	Aluminum	100	+/-100	U	100	P	02/12/2025	17:59	LB134704
	Antimony	50.0	+/-50.0	U	50.0	P	02/12/2025	17:59	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group SDG No.: Q1172
Contract: CHEM02 Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	02/12/2025	17:59	LB134704
	Barium	100	+/-100	U	100	P	02/12/2025	17:59	LB134704
	Beryllium	6.00	+/-6.00	U	6.00	P	02/12/2025	17:59	LB134704
	Boron	100	+/-100	U	100	P	02/12/2025	17:59	LB134704
	Cadmium	6.00	+/-6.00	U	6.00	P	02/12/2025	17:59	LB134704
	Calcium	2000	+/-2000	U	2000	P	02/12/2025	17:59	LB134704
	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	17:59	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	17:59	LB134704
	Iron	100	+/-100	U	100	P	02/12/2025	17:59	LB134704
	Lead	12.0	+/-12.0	U	12.0	P	02/12/2025	17:59	LB134704
	Magnesium	2000	+/-2000	U	2000	P	02/12/2025	17:59	LB134704
	Manganese	20.0	+/-20.0	U	20.0	P	02/12/2025	17:59	LB134704
	Molybdenum	200	+/-200	U	200	P	02/12/2025	17:59	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	17:59	LB134704
	Potassium	2000	+/-2000	U	2000	P	02/12/2025	17:59	LB134704
	Selenium	20.0	+/-20.0	U	20.0	P	02/12/2025	17:59	LB134704
	Silver	10.0	+/-10.0	U	10.0	P	02/12/2025	17:59	LB134704
	Sodium	2000	+/-2000	U	2000	P	02/12/2025	17:59	LB134704
	Thallium	40.0	+/-40.0	U	40.0	P	02/12/2025	17:59	LB134704
	Vanadium	40.0	+/-40.0	U	40.0	P	02/12/2025	17:59	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	17:59	LB134704
CCB07	Aluminum	100	+/-100	U	100	P	02/12/2025	18:38	LB134704
	Antimony	50.0	+/-50.0	U	50.0	P	02/12/2025	18:38	LB134704
	Arsenic	20.0	+/-20.0	U	20.0	P	02/12/2025	18:38	LB134704
	Barium	100	+/-100	U	100	P	02/12/2025	18:38	LB134704
	Beryllium	6.00	+/-6.00	U	6.00	P	02/12/2025	18:38	LB134704
	Boron	100	+/-100	U	100	P	02/12/2025	18:38	LB134704
	Cadmium	6.00	+/-6.00	U	6.00	P	02/12/2025	18:38	LB134704
	Calcium	2000	+/-2000	U	2000	P	02/12/2025	18:38	LB134704
	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	18:38	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	18:38	LB134704
	Iron	100	+/-100	U	100	P	02/12/2025	18:38	LB134704
	Lead	12.0	+/-12.0	U	12.0	P	02/12/2025	18:38	LB134704
	Magnesium	2000	+/-2000	U	2000	P	02/12/2025	18:38	LB134704
	Manganese	20.0	+/-20.0	U	20.0	P	02/12/2025	18:38	LB134704
	Molybdenum	200	+/-200	U	200	P	02/12/2025	18:38	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	18:38	LB134704
	Potassium	2000	+/-2000	U	2000	P	02/12/2025	18:38	LB134704
	Selenium	20.0	+/-20.0	U	20.0	P	02/12/2025	18:38	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Silver	10.0	+/-10.0	U	10.0	P	02/12/2025	18:38	LB134704
	Sodium	2000	+/-2000	U	2000	P	02/12/2025	18:38	LB134704
	Thallium	40.0	+/-40.0	U	40.0	P	02/12/2025	18:38	LB134704
	Vanadium	40.0	+/-40.0	U	40.0	P	02/12/2025	18:38	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	18:38	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	02/18/2025	12:14	LB134743
	Antimony	50.0	+/-50.0	U	50.0	P	02/18/2025	12:14	LB134743
	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	12:14	LB134743
	Barium	100	+/-100	U	100	P	02/18/2025	12:14	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	12:14	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	12:14	LB134743
	Calcium	2000	+/-2000	U	2000	P	02/18/2025	12:14	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	12:14	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	12:14	LB134743
	Iron	100	+/-100	U	100	P	02/18/2025	12:14	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	12:14	LB134743
	Magnesium	2000	+/-2000	U	2000	P	02/18/2025	12:14	LB134743
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2025	12:14	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	12:14	LB134743
	Potassium	2000	+/-2000	U	2000	P	02/18/2025	12:14	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	12:14	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	12:14	LB134743
	Sodium	2000	+/-2000	U	2000	P	02/18/2025	12:14	LB134743
	Thallium	40.0	+/-40.0	U	40.0	P	02/18/2025	12:14	LB134743
	Vanadium	40.0	+/-40.0	U	40.0	P	02/18/2025	12:14	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	12:14	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group		SDG No.: Q1172							
Contract: CHEM02	Lab Code: CHEM	Case No.: Q1172	SAS No.: Q1172						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	02/18/2025	12:45	LB134743
	Antimony	50.0	+/-50.0	U	50.0	P	02/18/2025	12:45	LB134743
	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	12:45	LB134743
	Barium	100	+/-100	U	100	P	02/18/2025	12:45	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	12:45	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	12:45	LB134743
	Calcium	2000	+/-2000	U	2000	P	02/18/2025	12:45	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	12:45	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	12:45	LB134743
	Iron	100	+/-100	U	100	P	02/18/2025	12:45	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	12:45	LB134743
	Magnesium	2000	+/-2000	U	2000	P	02/18/2025	12:45	LB134743
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2025	12:45	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	12:45	LB134743
	Potassium	2000	+/-2000	U	2000	P	02/18/2025	12:45	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	12:45	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	12:45	LB134743
	Sodium	2000	+/-2000	U	2000	P	02/18/2025	12:45	LB134743
	Thallium	40.0	+/-40.0	U	40.0	P	02/18/2025	12:45	LB134743
	Vanadium	40.0	+/-40.0	U	40.0	P	02/18/2025	12:45	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	12:45	LB134743
CCB02	Aluminum	100	+/-100	U	100	P	02/18/2025	13:36	LB134743
	Antimony	50.0	+/-50.0	U	50.0	P	02/18/2025	13:36	LB134743
	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	13:36	LB134743
	Barium	100	+/-100	U	100	P	02/18/2025	13:36	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	13:36	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	13:36	LB134743
	Calcium	2000	+/-2000	U	2000	P	02/18/2025	13:36	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	13:36	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	13:36	LB134743
	Iron	100	+/-100	U	100	P	02/18/2025	13:36	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	13:36	LB134743
	Magnesium	2000	+/-2000	U	2000	P	02/18/2025	13:36	LB134743
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2025	13:36	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	13:36	LB134743
	Potassium	2000	+/-2000	U	2000	P	02/18/2025	13:36	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	13:36	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	13:36	LB134743
	Sodium	2000	+/-2000	U	2000	P	02/18/2025	13:36	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group		SDG No.: Q1172							
Contract: CHEM02	Lab Code: CHEM	Case No.: Q1172	SAS No.: Q1172						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Thallium	40.0	+/-40.0	U	40.0	P	02/18/2025	13:36	LB134743
	Vanadium	40.0	+/-40.0	U	40.0	P	02/18/2025	13:36	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	13:36	LB134743
CCB03	Aluminum	100	+/-100	U	100	P	02/18/2025	14:27	LB134743
	Antimony	50.0	+/-50.0	U	50.0	P	02/18/2025	14:27	LB134743
	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	14:27	LB134743
	Barium	100	+/-100	U	100	P	02/18/2025	14:27	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	14:27	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	14:27	LB134743
	Calcium	2000	+/-2000	U	2000	P	02/18/2025	14:27	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	14:27	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	14:27	LB134743
	Iron	100	+/-100	U	100	P	02/18/2025	14:27	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	14:27	LB134743
	Magnesium	2000	+/-2000	U	2000	P	02/18/2025	14:27	LB134743
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2025	14:27	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	14:27	LB134743
	Potassium	2000	+/-2000	U	2000	P	02/18/2025	14:27	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	14:27	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	14:27	LB134743
	Sodium	2000	+/-2000	U	2000	P	02/18/2025	14:27	LB134743
	Thallium	40.0	+/-40.0	U	40.0	P	02/18/2025	14:27	LB134743
	Vanadium	40.0	+/-40.0	U	40.0	P	02/18/2025	14:27	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	14:27	LB134743
CCB04	Aluminum	100	+/-100	U	100	P	02/18/2025	15:23	LB134743
	Antimony	50.0	+/-50.0	U	50.0	P	02/18/2025	15:23	LB134743
	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	15:23	LB134743
	Barium	100	+/-100	U	100	P	02/18/2025	15:23	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	15:23	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	15:23	LB134743
	Calcium	2000	+/-2000	U	2000	P	02/18/2025	15:23	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	15:23	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	15:23	LB134743
	Iron	100	+/-100	U	100	P	02/18/2025	15:23	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	15:23	LB134743
	Magnesium	2000	+/-2000	U	2000	P	02/18/2025	15:23	LB134743
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2025	15:23	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	15:23	LB134743
	Potassium	2000	+/-2000	U	2000	P	02/18/2025	15:23	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	15:23	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	15:23	LB134743
	Sodium	2000	+/-2000	U	2000	P	02/18/2025	15:23	LB134743
	Thallium	40.0	+/-40.0	U	40.0	P	02/18/2025	15:23	LB134743
	Vanadium	40.0	+/-40.0	U	40.0	P	02/18/2025	15:23	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	15:23	LB134743
CCB05	Aluminum	100	+/-100	U	100	P	02/18/2025	16:11	LB134743
	Antimony	50.0	+/-50.0	U	50.0	P	02/18/2025	16:11	LB134743
	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	16:11	LB134743
	Barium	100	+/-100	U	100	P	02/18/2025	16:11	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	16:11	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	16:11	LB134743
	Calcium	2000	+/-2000	U	2000	P	02/18/2025	16:11	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	16:11	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	16:11	LB134743
	Iron	100	+/-100	U	100	P	02/18/2025	16:11	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	16:11	LB134743
	Magnesium	2000	+/-2000	U	2000	P	02/18/2025	16:11	LB134743
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2025	16:11	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	16:11	LB134743
	Potassium	2000	+/-2000	U	2000	P	02/18/2025	16:11	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	16:11	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	16:11	LB134743
	Sodium	2000	+/-2000	U	2000	P	02/18/2025	16:11	LB134743
	Thallium	40.0	+/-40.0	U	40.0	P	02/18/2025	16:11	LB134743
	Vanadium	40.0	+/-40.0	U	40.0	P	02/18/2025	16:11	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	16:11	LB134743

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Chemtech Consulting Group

SDG No.: Q1172

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166684BL		WATER		Batch Number:	PB166684		Prep Date:	02/11/2025	
	Mercury	0.20	<0.20	U	0.20	CV	02/11/2025	15:35	LB134671

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Chemtech Consulting Group

SDG No.: Q1172

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166688BL	WATER			Batch Number:	PB166688		Prep Date:	02/12/2025	
	Aluminum	24.4	<100	J	100	P	02/12/2025	18:16	LB134704
	Antimony	50.0	<50.0	U	50.0	P	02/12/2025	18:16	LB134704
	Arsenic	20.0	<20.0	U	20.0	P	02/12/2025	18:16	LB134704
	Barium	100	<100	U	100	P	02/12/2025	18:16	LB134704
	Beryllium	6.00	<6.00	U	6.00	P	02/12/2025	18:16	LB134704
	Boron	100	<100	U	100	P	02/12/2025	18:16	LB134704
	Cadmium	6.00	<6.00	U	6.00	P	02/12/2025	18:16	LB134704
	Calcium	2000	<2000	U	2000	P	02/12/2025	18:16	LB134704
	Chromium	10.0	<10.0	U	10.0	P	02/12/2025	18:16	LB134704
	Copper	20.0	<20.0	U	20.0	P	02/12/2025	18:16	LB134704
	Iron	35.2	<100	J	100	P	02/12/2025	18:16	LB134704
	Lead	12.0	<12.0	U	12.0	P	02/12/2025	18:16	LB134704
	Magnesium	2000	<2000	U	2000	P	02/12/2025	18:16	LB134704
	Manganese	3.12	<20.0	J	20.0	P	02/12/2025	18:16	LB134704
	Molybdenum	200	<200	U	200	P	02/12/2025	18:16	LB134704
	Nickel	40.0	<40.0	U	40.0	P	02/12/2025	18:16	LB134704
	Potassium	2000	<2000	U	2000	P	02/12/2025	18:16	LB134704
	Selenium	20.0	<20.0	U	20.0	P	02/12/2025	18:16	LB134704
	Silver	10.0	<10.0	U	10.0	P	02/12/2025	18:16	LB134704
	Sodium	2000	<2000	U	2000	P	02/12/2025	18:16	LB134704
	Thallium	40.0	<40.0	U	40.0	P	02/12/2025	18:16	LB134704
	Vanadium	40.0	<40.0	U	40.0	P	02/12/2025	18:16	LB134704
	Zinc	3.99	<40.0	J	40.0	P	02/12/2025	18:16	LB134704

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	245000	255000	96	216000	294000	02/12/2025	13:21	LB134704
	Antimony	0.84			-50	50	02/12/2025	13:21	LB134704
	Arsenic	-4.34			-20	20	02/12/2025	13:21	LB134704
	Barium	6.69	6.0	112	-94	106	02/12/2025	13:21	LB134704
	Beryllium	2.82			-6	6	02/12/2025	13:21	LB134704
	Boron	-20.2	1000	2	-100	100	02/12/2025	13:21	LB134704
	Cadmium	-3.20	1.0	320	-5	7	02/12/2025	13:21	LB134704
	Calcium	234000	245000	96	208000	282000	02/12/2025	13:21	LB134704
	Chromium	59.1	52.0	114	42	62	02/12/2025	13:21	LB134704
	Copper	7.73	2.0	386	-18	22	02/12/2025	13:21	LB134704
	Iron	106000	101000	105	85600	116500	02/12/2025	13:21	LB134704
	Lead	7.88			-12	12	02/12/2025	13:21	LB134704
	Magnesium	252000	255000	99	216000	294000	02/12/2025	13:21	LB134704
	Manganese	-0.86	7.0	12	-13	27	02/12/2025	13:21	LB134704
	Molybdenum	-0.26	1000		-200	200	02/12/2025	13:21	LB134704
	Nickel	4.04	2.0	202	-38	42	02/12/2025	13:21	LB134704
	Potassium	10.9			0	0	02/12/2025	13:21	LB134704
	Selenium	-16.2			-20	20	02/12/2025	13:21	LB134704
	Silver	-5.31			-10	10	02/12/2025	13:21	LB134704
	Sodium	50.4			0	0	02/12/2025	13:21	LB134704
	Thallium	-0.098			-40	40	02/12/2025	13:21	LB134704
	Vanadium	7.52			-40	40	02/12/2025	13:21	LB134704
	Zinc	4.54			-40	40	02/12/2025	13:21	LB134704
ICSAB01	Aluminum	241000	247000	98	209000	285000	02/12/2025	13:25	LB134704
	Antimony	608	618	98	525	711	02/12/2025	13:25	LB134704
	Arsenic	106	104	102	88.4	120	02/12/2025	13:25	LB134704
	Barium	482	537	90	437	637	02/12/2025	13:25	LB134704
	Beryllium	468	495	94	420	570	02/12/2025	13:25	LB134704
	Boron	908	1000	91	850	1150	02/12/2025	13:25	LB134704
	Cadmium	1000	972	103	826	1120	02/12/2025	13:25	LB134704
	Calcium	231000	235000	98	199000	271000	02/12/2025	13:25	LB134704
	Chromium	571	542	105	460	624	02/12/2025	13:25	LB134704
	Copper	498	511	98	434	588	02/12/2025	13:25	LB134704
	Iron	105000	99300	106	84400	114500	02/12/2025	13:25	LB134704
	Lead	56.5	49.0	115	37	61	02/12/2025	13:25	LB134704
	Magnesium	248000	248000	100	210000	286000	02/12/2025	13:25	LB134704
	Manganese	468	507	92	430	584	02/12/2025	13:25	LB134704
	Molybdenum	1070	1000	107	850	1150	02/12/2025	13:25	LB134704
	Nickel	1010	954	106	810	1100	02/12/2025	13:25	LB134704
	Potassium	-9.51			0	0	02/12/2025	13:25	LB134704
	Selenium	33.8	46.0	74	26	66	02/12/2025	13:25	LB134704
	Silver	213	201	106	170	232	02/12/2025	13:25	LB134704

Metals
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INTERFERENCE CHECK SAMPLE

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	50.1			0	0	02/12/2025	13:25	LB134704
	Thallium	89.5	108	83	68	148	02/12/2025	13:25	LB134704
	Vanadium	468	491	95	417	565	02/12/2025	13:25	LB134704
	Zinc	1050	952	110	809	1095	02/12/2025	13:25	LB134704
ICSA	Aluminum	243000	255000	95	216000	294000	02/12/2025	13:31	LB134704
	Antimony	-10.3			-50	50	02/12/2025	13:31	LB134704
	Arsenic	-21.5			-20	20	02/12/2025	13:31	LB134704
	Barium	-24.4	6.0	407	-94	106	02/12/2025	13:31	LB134704
	Beryllium	4.88			-6	6	02/12/2025	13:31	LB134704
	Boron	-106	1000	11	-100	100	02/12/2025	13:31	LB134704
	Cadmium	-6.98	1.0	698	-5	7	02/12/2025	13:31	LB134704
	Calcium	244000	245000	100	208000	282000	02/12/2025	13:31	LB134704
	Chromium	60.1	52.0	116	42	62	02/12/2025	13:31	LB134704
	Copper	14.5	2.0	725	-18	22	02/12/2025	13:31	LB134704
	Iron	104000	101000	103	85600	116500	02/12/2025	13:31	LB134704
	Lead	-6.64			-12	12	02/12/2025	13:31	LB134704
	Magnesium	251000	255000	98	216000	294000	02/12/2025	13:31	LB134704
	Manganese	-3.88	7.0	55	-13	27	02/12/2025	13:31	LB134704
	Molybdenum	1.99	1000		-200	200	02/12/2025	13:31	LB134704
	Nickel	6.40	2.0	320	-38	42	02/12/2025	13:31	LB134704
	Potassium	262			0	0	02/12/2025	13:31	LB134704
	Selenium	-95.1			-20	20	02/12/2025	13:31	LB134704
	Silver	-6.74			-10	10	02/12/2025	13:31	LB134704
	Sodium	351			0	0	02/12/2025	13:31	LB134704
	Thallium	19.8			-40	40	02/12/2025	13:31	LB134704
	Vanadium	-34.9			-40	40	02/12/2025	13:31	LB134704
	Zinc	5.42			-40	40	02/12/2025	13:31	LB134704
ICSAB	Aluminum	241000	247000	98	209000	285000	02/12/2025	13:35	LB134704
	Antimony	577	618	93	525	711	02/12/2025	13:35	LB134704
	Arsenic	82.5	104	79	88.4	120	02/12/2025	13:35	LB134704
	Barium	539	537	100	437	637	02/12/2025	13:35	LB134704
	Beryllium	496	495	100	420	570	02/12/2025	13:35	LB134704
	Boron	861	1000	86	850	1150	02/12/2025	13:35	LB134704
	Cadmium	993	972	102	826	1120	02/12/2025	13:35	LB134704
	Calcium	244000	235000	104	199000	271000	02/12/2025	13:35	LB134704
	Chromium	577	542	106	460	624	02/12/2025	13:35	LB134704
	Copper	521	511	102	434	588	02/12/2025	13:35	LB134704
	Iron	106000	99300	107	84400	114500	02/12/2025	13:35	LB134704
	Lead	45.6	49.0	93	37	61	02/12/2025	13:35	LB134704
	Magnesium	250000	248000	101	210000	286000	02/12/2025	13:35	LB134704
	Manganese	500	507	99	430	584	02/12/2025	13:35	LB134704
	Molybdenum	1080	1000	108	850	1150	02/12/2025	13:35	LB134704

Metals
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INTERFERENCE CHECK SAMPLE

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Nickel	1010	954	106	810	1100	02/12/2025	13:35	LB134704
	Potassium	553			0	0	02/12/2025	13:35	LB134704
	Selenium	-16.8	46.0	36	26	66	02/12/2025	13:35	LB134704
	Silver	205	201	102	170	232	02/12/2025	13:35	LB134704
	Sodium	312			0	0	02/12/2025	13:35	LB134704
	Thallium	63.9	108	59	68	148	02/12/2025	13:35	LB134704
	Vanadium	481	491	98	417	565	02/12/2025	13:35	LB134704
	Zinc	1050	952	110	809	1095	02/12/2025	13:35	LB134704
ICSA01	Aluminum	235000	255000	92	216000	294000	02/18/2025	12:23	LB134743
	Antimony	-2.15			-50	50	02/18/2025	12:23	LB134743
	Arsenic	-0.10			-20	20	02/18/2025	12:23	LB134743
	Barium	0.70	6.0	12	-94	106	02/18/2025	12:23	LB134743
	Beryllium	1.24			-6	6	02/18/2025	12:23	LB134743
	Cadmium	-0.11	1.0	11	-5	7	02/18/2025	12:23	LB134743
	Calcium	221000	245000	90	208000	282000	02/18/2025	12:23	LB134743
	Chromium	56.4	52.0	108	42	62	02/18/2025	12:23	LB134743
	Copper	17.7	2.0	885	-18	22	02/18/2025	12:23	LB134743
	Iron	96200	101000	95	85600	116500	02/18/2025	12:23	LB134743
	Lead	6.91			-12	12	02/18/2025	12:23	LB134743
	Magnesium	241000	255000	94	216000	294000	02/18/2025	12:23	LB134743
	Manganese	3.91	7.0	56	-13	27	02/18/2025	12:23	LB134743
	Nickel	2.40	2.0	120	-38	42	02/18/2025	12:23	LB134743
	Potassium	71.7			0	0	02/18/2025	12:23	LB134743
	Selenium	-16.8			-20	20	02/18/2025	12:23	LB134743
	Silver	-1.82			-10	10	02/18/2025	12:23	LB134743
	Sodium	45.8			0	0	02/18/2025	12:23	LB134743
	Thallium	5.85			-40	40	02/18/2025	12:23	LB134743
	Vanadium	6.77			-40	40	02/18/2025	12:23	LB134743
	Zinc	3.88			-40	40	02/18/2025	12:23	LB134743
ICSAB01	Aluminum	243000	247000	98	209000	285000	02/18/2025	12:29	LB134743
	Antimony	619	618	100	525	711	02/18/2025	12:29	LB134743
	Arsenic	119	104	114	88.4	120	02/18/2025	12:29	LB134743
	Barium	452	537	84	437	637	02/18/2025	12:29	LB134743
	Beryllium	476	495	96	420	570	02/18/2025	12:29	LB134743
	Cadmium	1010	972	104	826	1120	02/18/2025	12:29	LB134743
	Calcium	227000	235000	97	199000	271000	02/18/2025	12:29	LB134743
	Chromium	566	542	104	460	624	02/18/2025	12:29	LB134743
	Copper	505	511	99	434	588	02/18/2025	12:29	LB134743
	Iron	101000	99300	102	84400	114500	02/18/2025	12:29	LB134743
	Lead	55.8	49.0	114	37	61	02/18/2025	12:29	LB134743
	Magnesium	247000	248000	100	210000	286000	02/18/2025	12:29	LB134743
	Manganese	455	507	90	430	584	02/18/2025	12:29	LB134743

Metals
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INTERFERENCE CHECK SAMPLE

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Nickel	1000	954	105	810	1100	02/18/2025	12:29	LB134743
	Potassium	61.5			0	0	02/18/2025	12:29	LB134743
	Selenium	33.0	46.0	72	26	66	02/18/2025	12:29	LB134743
	Silver	217	201	108	170	232	02/18/2025	12:29	LB134743
	Sodium	49.1			0	0	02/18/2025	12:29	LB134743
	Thallium	93.5	108	87	68	148	02/18/2025	12:29	LB134743
	Vanadium	455	491	93	417	565	02/18/2025	12:29	LB134743
	Zinc	1040	952	109	809	1095	02/18/2025	12:29	LB134743
ICSA	Aluminum	236000	255000	92	216000	294000	02/18/2025	12:33	LB134743
	Antimony	-1.58			-50	50	02/18/2025	12:33	LB134743
	Arsenic	23.0			-20	20	02/18/2025	12:33	LB134743
	Barium	-24.9	6.0	415	-94	106	02/18/2025	12:33	LB134743
	Beryllium	1.84			-6	6	02/18/2025	12:33	LB134743
	Cadmium	-0.94	1.0	94	-5	7	02/18/2025	12:33	LB134743
	Calcium	233000	245000	95	208000	282000	02/18/2025	12:33	LB134743
	Chromium	59.3	52.0	114	42	62	02/18/2025	12:33	LB134743
	Copper	23.3	2.0	1165	-18	22	02/18/2025	12:33	LB134743
	Iron	100000	101000	99	85600	116500	02/18/2025	12:33	LB134743
	Lead	10.9			-12	12	02/18/2025	12:33	LB134743
	Magnesium	238000	255000	93	216000	294000	02/18/2025	12:33	LB134743
	Manganese	0.72	7.0	10	-13	27	02/18/2025	12:33	LB134743
	Nickel	5.41	2.0	270	-38	42	02/18/2025	12:33	LB134743
	Potassium	751			0	0	02/18/2025	12:33	LB134743
	Selenium	-35.7			-20	20	02/18/2025	12:33	LB134743
	Silver	-2.58			-10	10	02/18/2025	12:33	LB134743
	Sodium	385			0	0	02/18/2025	12:33	LB134743
	Thallium	-68.8			-40	40	02/18/2025	12:33	LB134743
	Vanadium	9.57			-40	40	02/18/2025	12:33	LB134743
	Zinc	-10.8			-40	40	02/18/2025	12:33	LB134743
ICSAB	Aluminum	234000	247000	95	209000	285000	02/18/2025	12:37	LB134743
	Antimony	711	618	115	525	711	02/18/2025	12:37	LB134743
	Arsenic	147	104	141	88.4	120	02/18/2025	12:37	LB134743
	Barium	516	537	96	437	637	02/18/2025	12:37	LB134743
	Beryllium	620	495	125	420	570	02/18/2025	12:37	LB134743
	Cadmium	1220	972	126	826	1120	02/18/2025	12:37	LB134743
	Calcium	232000	235000	99	199000	271000	02/18/2025	12:37	LB134743
	Chromium	701	542	129	460	624	02/18/2025	12:37	LB134743
	Copper	647	511	127	434	588	02/18/2025	12:37	LB134743
	Iron	97000	99300	98	84400	114500	02/18/2025	12:37	LB134743
	Lead	69.5	49.0	142	37	61	02/18/2025	12:37	LB134743
	Magnesium	237000	248000	96	210000	286000	02/18/2025	12:37	LB134743
	Manganese	598	507	118	430	584	02/18/2025	12:37	LB134743

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Nickel	1230	954	129	810	1100	02/18/2025	12:37	LB134743
	Potassium	212			0	0	02/18/2025	12:37	LB134743
	Selenium	68.9	46.0	150	26	66	02/18/2025	12:37	LB134743
	Silver	254	201	126	170	232	02/18/2025	12:37	LB134743
	Sodium	321			0	0	02/18/2025	12:37	LB134743
	Thallium	76.1	108	70	68	148	02/18/2025	12:37	LB134743
	Vanadium	583	491	119	417	565	02/18/2025	12:37	LB134743
	Zinc	1250	952	131	809	1095	02/18/2025	12:37	LB134743



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: Chemtech Consulting Group **level:** low **sdg no.:** Q1172
contract: CHEM02 **lab code:** CHEM **case no.:** Q1172 **sas no.:** Q1172
matrix: Water **sample id:** Q1322-01 **client id:** MANHOLEMS
Percent Solids for Sample: NA **Spiked ID:** Q1322-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.55		0.20	U	4.0	89		CV

metals

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Chemtech Consulting Group</u>	level:	<u>low</u>	sdg no.:	<u>Q1172</u>	
contract:	<u>CHEM02</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1172</u>	sas no.: <u>Q1172</u>
matrix:	<u>Water</u>	sample id:	<u>Q1322-01</u>	client id:	<u>MANHOLEMSD</u>	
Percent Solids for Sample:	<u>NA</u>	Spiked ID:	<u>Q1322-01MSD</u>	Percent Solids for Spike Sample:	<u>NA</u>	

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.79		0.20	U	4.0	95		CV

Metals
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Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Matrix: **Level:** LOW **Client ID:**
Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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A
B
C
D
E
F
G
H

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Chemtech Consulting Group **Level:** LOW **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172
Matrix: Water **Sample ID:** Q1322-01 **Client ID:** MANHOLEDUP
Percent Solids for Sample: NA **Duplicate ID** Q1322-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Chemtech Consulting Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1172</u>
Contract:	<u>CHEM02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1172</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q1322-01MS</u>	Client ID:	<u>MANHOLEMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q1322-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.55		3.79		7		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166684BS Mercury	ug/L	4.0	3.75		94	85 - 115	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Chemtech Consulting Group **SDG No.:** Q1172
Contract: CHEM02 **Lab Code:** CHEM **Case No.:** Q1172 **SAS No.:** Q1172

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166688BS							
Aluminum	ug/L	2000	1920		96	85 - 115	P
Antimony	ug/L	800	754		94	85 - 115	P
Arsenic	ug/L	800	731		91	85 - 115	P
Barium	ug/L	200	196		98	85 - 115	P
Beryllium	ug/L	200	186		93	85 - 115	P
Boron	ug/L	300	262		87	85 - 115	P
Cadmium	ug/L	200	188		94	85 - 115	P
Calcium	ug/L	1000	1060	J	106	85 - 115	P
Chromium	ug/L	400	414		104	85 - 115	P
Copper	ug/L	300	300		100	85 - 115	P
Iron	ug/L	3000	3090		103	85 - 115	P
Lead	ug/L	1000	936		94	85 - 115	P
Magnesium	ug/L	2000	1960	J	98	85 - 115	P
Manganese	ug/L	200	203		102	85 - 115	P
Molybdenum	ug/L	400	407		102	85 - 115	P
Nickel	ug/L	500	490		98	85 - 115	P
Potassium	ug/L	10000	9590		96	85 - 115	P
Selenium	ug/L	2000	1760		88	85 - 115	P
Silver	ug/L	75.0	72.9		97	85 - 115	P
Sodium	ug/L	3000	3180		106	85 - 115	P
Thallium	ug/L	2000	1780		89	85 - 115	P
Vanadium	ug/L	300	292		97	85 - 115	P
Zinc	ug/L	200	196		98	85 - 115	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MANHOLEL

Lab Name: Chemtech Consulting Group

Contract: CHEM02

Lab Code: CHEM Lb No.: lb134671 Lab Sample ID : Q1322-01L SDG No.: Q1172

Matrix (soil/water): Water Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.20 U	1.00 U			CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group

SDG No.: Q1172

Contract: CHEM02

Lab Code: CHEM

Case No.: Q1172

SAS No.: Q1172

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group

SDG No.: Q1172

Contract: CHEM02

Lab Code: CHEM

Case No.: Q1172

SAS No.: Q1172

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group

SDG No.: Q1172

Contract: CHEM02

Lab Code: CHEM

Case No.: Q1172

SAS No.: Q1172

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Chemtech Consulting Group

SDG No.: Q1172

Contract: CHEM02

Lab Code: CHEM

Case No.: Q1172

SAS No.: Q1172

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group

SDG No.: Q1172

Contract: CHEM02

Lab Code: CHEM

Case No.: Q1172

SAS No.: Q1172

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Chemtech Consulting Group</u>	SDG No.:	<u>Q1172</u>
Contract:	<u>CHEM02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1172</u>
		SAS No.:	<u>Q1172</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166684							
PB166684BL	PB166684BL	MB	WATER	02/11/2025	30.0	30.0	
PB166684BS	PB166684BS	LCS	WATER	02/11/2025	30.0	30.0	
Q1172-05	PT-HG-WS	SAM	WATER	02/11/2025	30.0	30.0	
Q1322-01DUP	MANHOLEDUP	DUP	WATER	02/11/2025	30.0	30.0	
Q1322-01MS	MANHOLEMS	MS	WATER	02/11/2025	30.0	30.0	
Q1322-01MSD	MANHOLEMSD	MSD	WATER	02/11/2025	30.0	30.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Chemtech Consulting Group</u>	SDG No.:	<u>Q1172</u>
Contract:	<u>CHEM02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1172</u>
		SAS No.:	<u>Q1172</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166688							
PB166688BL	PB166688BL	MB	WATER	02/12/2025	50.0	50.0	
PB166688BS	PB166688BS	LCS	WATER	02/12/2025	50.0	50.0	
Q1172-03	PT-MIN-WS	SAM	WATER	02/12/2025	50.0	50.0	
Q1172-04	PT-TM-WS	SAM	WATER	02/12/2025	50.0	50.0	
Q1172-06	PT-SIO2-WS	SAM	WATER	02/12/2025	50.0	50.0	

metals
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ANALYSIS RUN LOG

Client: Chemtech Consulting Group

Contract: CHEM02

Lab code: CHEM **Case no.:** Q1172 **Sas no.:** Q1172

Sdg no.: Q1172

Instrument id number: **Method:**

Run number: LB134671

Start date: 02/11/2025 **End date:** 02/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1500	HG
S0.05	S0.05	1	1502	HG
S0.2	S0.2	1	1504	HG
S2.5	S2.5	1	1506	HG
S5	S5	1	1509	HG
S7.5	S7.5	1	1511	HG
S10	S10	1	1513	HG
ICV96	ICV96	1	1517	HG
ICB96	ICB96	1	1519	HG
CCV56	CCV56	1	1521	HG
CCB56	CCB56	1	1524	HG
CRA	CRA	1	1528	HG
PB166684BL	PB166684BL	1	1535	HG
Q1322-01DUP	MANHOLEDUP	1	1552	HG
Q1322-01MS	MANHOLEMS	1	1557	HG
CCV57	CCV57	1	1559	HG
CCB57	CCB57	1	1602	HG
Q1322-01MSD	MANHOLEMSD	1	1604	HG
Q1172-05	PT-HG-WS	1	1606	HG
Q1322-01L	MANHOLEL	5	1613	HG
PB166684BS	PB166684BS	1	1618	HG
CCV58	CCV58	1	1620	HG
CCB58	CCB58	1	1622	HG

metals
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ANALYSIS RUN LOG

Client: Chemtech Consulting Group **Contract:** CHEM02

Lab code: CHEM **Case no.:** Q1172 **Sas no.:** Q1172 **Sdg no.:** Q1172

Instrument id number: **Method:** **Run number:** LB134704

Start date: 02/12/2025 **End date:** 02/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1147	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1152	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1156	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1200	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1204	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1209	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1259	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1308	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1312	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1317	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1321	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1325	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1331	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1335	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1339	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1343	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1429	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1433	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1520	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1524	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1613	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1617	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q1172-04	PT-TM-WS	1	1655	Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1704	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1708	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1755	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1759	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB166688BL	PB166688BL	1	1816	Ag,Al,As,B,Ba,Be,Ca,Cd,Cr,Cu,Fe,K,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166688BS	PB166688BS	1	1820	Ag,Al,As,B,Ba,Be,Ca,Cd,Cr,Cu,Fe,K,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1834	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1838	Ca,K,Mg,Na,Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: Chemtech Consulting Group **Contract:** CHEM02

Lab code: CHEM **Case no.:** Q1172 **Sas no.:** Q1172 **Sdg no.:** Q1172

Instrument id number: **Method:** **Run number:** LB134743

Start date: 02/18/2025 **End date:** 02/18/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1124	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1128	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1132	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1137	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1141	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1158	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1210	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1214	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1218	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1223	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1229	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1233	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1237	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1241	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1245	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1332	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1336	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
Q1172-03	PT-MIN-WS	1	1406	Ca,K,Mg,Na
Q1172-06	PT-SIO2-WS	1	1410	Si
CCV03	CCV03	1	1423	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1427	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1519	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1523	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1606	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1611	Ca,K,Mg,Na,Ag,Al,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn