

Hit Summary Sheet SW-846

SDG No.: Q1690 **Order ID:** Q1690
Client: G Environmental **Project ID:** TGP

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW112010								
Q1690-01	MW112010	Water	Aluminum	2180		28.3	50.0	ug/L
Q1690-01	MW112010	Water	Barium	129		6.28	50.0	ug/L
Q1690-01	MW112010	Water	Cadmium	0.11	J	0.094	3.00	ug/L
Q1690-01	MW112010	Water	Calcium	40800		33.0	1000	ug/L
Q1690-01	MW112010	Water	Chromium	6.09		0.66	5.00	ug/L
Q1690-01	MW112010	Water	Cobalt	1.41	J	0.50	15.0	ug/L
Q1690-01	MW112010	Water	Copper	25.1		7.07	10.0	ug/L
Q1690-01	MW112010	Water	Iron	4600		18.5	50.0	ug/L
Q1690-01	MW112010	Water	Lead	30.2		3.51	6.00	ug/L
Q1690-01	MW112010	Water	Magnesium	4670		39.4	1000	ug/L
Q1690-01	MW112010	Water	Manganese	239		1.46	10.0	ug/L
Q1690-01	MW112010	Water	Nickel	6.49	J	0.85	20.0	ug/L
Q1690-01	MW112010	Water	Potassium	2610		685	1000	ug/L
Q1690-01	MW112010	Water	Sodium	33300		237	1000	ug/L
Q1690-01	MW112010	Water	Vanadium	7.04	J	3.06	20.0	ug/L
Q1690-01	MW112010	Water	Zinc	85.5		1.75	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	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	2180	N	1	28.3	50.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-39-3	Barium	129		1	6.28	50.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-43-9	Cadmium	0.11	J	1	0.094	3.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-70-2	Calcium	40800		1	33.0	1000	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-47-3	Chromium	6.09		1	0.66	5.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-48-4	Cobalt	1.41	J	1	0.50	15.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-50-8	Copper	25.1		1	7.07	10.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-89-6	Iron	4600	N	1	18.5	50.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-92-1	Lead	30.2		1	3.51	6.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-95-4	Magnesium	4670		1	39.4	1000	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-96-5	Manganese	239	N	1	1.46	10.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	04/02/25 09:05	04/02/25 14:33	SW7470A	
7440-02-0	Nickel	6.49	J	1	0.85	20.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-09-7	Potassium	2610		1	685	1000	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-23-5	Sodium	33300		1	237	1000	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-62-2	Vanadium	7.04	J	1	3.06	20.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-66-6	Zinc	85.5		1	1.75	20.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	G Environmental				SDG No.:	Q1690				
Contract:	GENV01	Lab Code:	CHEM		Case No.:	Q1690		SAS No.:	Q1690	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB73	Mercury	0.20	+/-0.20	U	0.20	CV	04/02/2025	14:12	LB135269	

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB23	Mercury	0.20	+/-0.20	U	0.20	CV	04/02/2025	14:17	LB135269
CCB24	Mercury	0.20	+/-0.20	U	0.20	CV	04/02/2025	14:46	LB135269
CCB25	Mercury	0.20	+/-0.20	U	0.20	CV	04/02/2025	15:05	LB135269

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1690							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1690	SAS No.: Q1690						
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	04/03/2025	12:15	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	12:15	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	12:15	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	12:15	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	12:15	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	12:15	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	12:15	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	12:15	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	12:15	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	12:15	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	12:15	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	12:15	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	12:15	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	12:15	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	12:15	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	12:15	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	12:15	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	12:15	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	12:15	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	12:15	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	12:15	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	12:15	LB135289

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1690							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1690	SAS No.: Q1690						
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	04/03/2025	12:47	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	12:47	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	12:47	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	12:47	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	12:47	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	12:47	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	12:47	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	12:47	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	12:47	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	12:47	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	12:47	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	12:47	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	12:47	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	12:47	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	12:47	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	12:47	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	12:47	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	12:47	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	12:47	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	12:47	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	12:47	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	12:47	LB135289
CCB02	Aluminum	100	+/-100	U	100	P	04/03/2025	13:57	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	13:57	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	13:57	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	13:57	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	13:57	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	13:57	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	13:57	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	13:57	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	13:57	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	13:57	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	13:57	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	13:57	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	13:57	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	13:57	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	13:57	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	13:57	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	13:57	LB135289

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1690							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1690	SAS No.: Q1690						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	13:57	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	13:57	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	13:57	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	13:57	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	13:57	LB135289
CCB03	Aluminum	100	+/-100	U	100	P	04/03/2025	14:43	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	14:43	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	14:43	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	14:43	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	14:43	LB135289
	Cadmium	0.26	+/-6.00	J	6.00	P	04/03/2025	14:43	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	14:43	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	14:43	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	14:43	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	14:43	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	14:43	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	14:43	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	14:43	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	14:43	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	14:43	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	14:43	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	14:43	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	14:43	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	14:43	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	14:43	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	14:43	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	14:43	LB135289
CCB04	Aluminum	100	+/-100	U	100	P	04/03/2025	15:36	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	15:36	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	15:36	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	15:36	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	15:36	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	15:36	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	15:36	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	15:36	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	15:36	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	15:36	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	15:36	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	15:36	LB135289

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Client:	G Environmental			SDG No.:	Q1690
Contract:	GENV01	Lab Code:	CHEM	Case No.:	Q1690
				SAS No.:	Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	15:36	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	15:36	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	15:36	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	15:36	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	15:36	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	15:36	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	15:36	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	15:36	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	15:36	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	15:36	LB135289
CCB05	Aluminum	100	+/-100	U	100	P	04/03/2025	16:40	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	16:40	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	16:40	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	16:40	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	16:40	LB135289
	Cadmium	0.38	+/-6.00	J	6.00	P	04/03/2025	16:40	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	16:40	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	16:40	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	16:40	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	16:40	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	16:40	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	16:40	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	16:40	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	16:40	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	16:40	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	16:40	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	16:40	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	16:40	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	16:40	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	16:40	LB135289
CCB06	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	16:40	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	16:40	LB135289
	Aluminum	100	+/-100	U	100	P	04/03/2025	18:00	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	18:00	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	18:00	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	18:00	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	18:00	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	18:00	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	18:00	LB135289

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	18:00	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	18:00	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	18:00	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	18:00	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	18:00	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	18:00	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	18:00	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	18:00	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	18:00	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	18:00	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	18:00	LB135289
	Sodium	624	+/-2000	J	2000	P	04/03/2025	18:00	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	18:00	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	18:00	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	18:00	LB135289
CCB07	Aluminum	100	+/-100	U	100	P	04/03/2025	18:33	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	18:33	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	18:33	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	18:33	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	18:33	LB135289
	Cadmium	0.23	+/-6.00	J	6.00	P	04/03/2025	18:33	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	18:33	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	18:33	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	18:33	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	18:33	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	18:33	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	18:33	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	18:33	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	18:33	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	18:33	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	18:33	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	18:33	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	18:33	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	18:33	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	18:33	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	18:33	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	18:33	LB135289

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1690

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167425BL		WATER		Batch Number:	PB167425		Prep Date:	04/02/2025	
	Mercury	0.20	<0.20	U	0.20	CV	04/02/2025	14:26	LB135269

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1690

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167422BL	WATER			Batch Number:	PB167422		Prep Date:	04/02/2025	
	Aluminum	50.0	<50.0	U	50.0	P	04/03/2025	15:06	LB135289
	Antimony	25.0	<25.0	U	25.0	P	04/03/2025	15:06	LB135289
	Arsenic	10.0	<10.0	U	10.0	P	04/03/2025	15:06	LB135289
	Barium	50.0	<50.0	U	50.0	P	04/03/2025	15:06	LB135289
	Beryllium	3.00	<3.00	U	3.00	P	04/03/2025	15:06	LB135289
	Cadmium	3.00	<3.00	U	3.00	P	04/03/2025	15:06	LB135289
	Calcium	1000	<1000	U	1000	P	04/03/2025	15:06	LB135289
	Chromium	5.00	<5.00	U	5.00	P	04/03/2025	15:06	LB135289
	Cobalt	15.0	<15.0	U	15.0	P	04/03/2025	15:06	LB135289
	Copper	10.0	<10.0	U	10.0	P	04/03/2025	15:06	LB135289
	Iron	50.0	<50.0	U	50.0	P	04/03/2025	15:06	LB135289
	Lead	6.00	<6.00	U	6.00	P	04/03/2025	15:06	LB135289
	Magnesium	1000	<1000	U	1000	P	04/03/2025	15:06	LB135289
	Manganese	10.0	<10.0	U	10.0	P	04/03/2025	15:06	LB135289
	Nickel	20.0	<20.0	U	20.0	P	04/03/2025	15:06	LB135289
	Potassium	1000	<1000	U	1000	P	04/03/2025	15:06	LB135289
	Selenium	10.0	<10.0	U	10.0	P	04/03/2025	15:06	LB135289
	Silver	5.00	<5.00	U	5.00	P	04/03/2025	15:06	LB135289
	Sodium	1000	<1000	U	1000	P	04/03/2025	15:06	LB135289
	Thallium	20.0	<20.0	U	20.0	P	04/03/2025	15:06	LB135289
	Vanadium	20.0	<20.0	U	20.0	P	04/03/2025	15:06	LB135289
	Zinc	20.0	<20.0	U	20.0	P	04/03/2025	15:06	LB135289



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690
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
ICV73	Mercury	4.04	4.0	101	90 - 110	CV	04/02/2025	14:10	LB135269

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690
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
CCV23	Mercury	4.78	5.0	96	90 - 110	CV	04/02/2025	14:14	LB135269
CCV24	Mercury	4.72	5.0	94	90 - 110	CV	04/02/2025	14:44	LB135269
CCV25	Mercury	4.52	5.0	90	90 - 110	CV	04/02/2025	15:03	LB135269

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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	2600	2500	104	90 - 110	P	04/03/2025	12:06	LB135289
	Antimony	1070	1000	107	90 - 110	P	04/03/2025	12:06	LB135289
	Arsenic	1040	1000	104	90 - 110	P	04/03/2025	12:06	LB135289
	Barium	495	520	95	90 - 110	P	04/03/2025	12:06	LB135289
	Beryllium	494	510	97	90 - 110	P	04/03/2025	12:06	LB135289
	Cadmium	511	510	100	90 - 110	P	04/03/2025	12:06	LB135289
	Calcium	10000	10000	100	90 - 110	P	04/03/2025	12:06	LB135289
	Chromium	529	520	102	90 - 110	P	04/03/2025	12:06	LB135289
	Cobalt	520	520	100	90 - 110	P	04/03/2025	12:06	LB135289
	Copper	516	510	101	90 - 110	P	04/03/2025	12:06	LB135289
	Iron	10300	10000	103	90 - 110	P	04/03/2025	12:06	LB135289
	Lead	1010	1000	101	90 - 110	P	04/03/2025	12:06	LB135289
	Magnesium	5780	6000	96	90 - 110	P	04/03/2025	12:06	LB135289
	Manganese	501	520	96	90 - 110	P	04/03/2025	12:06	LB135289
	Nickel	549	530	104	90 - 110	P	04/03/2025	12:06	LB135289
	Potassium	10200	9900	103	90 - 110	P	04/03/2025	12:06	LB135289
	Selenium	1050	1000	105	90 - 110	P	04/03/2025	12:06	LB135289
	Silver	261	250	104	90 - 110	P	04/03/2025	12:06	LB135289
	Sodium	10500	10000	105	90 - 110	P	04/03/2025	12:06	LB135289
	Thallium	1100	1000	110	90 - 110	P	04/03/2025	12:06	LB135289
	Vanadium	497	500	100	90 - 110	P	04/03/2025	12:06	LB135289
	Zinc	1030	1000	103	90 - 110	P	04/03/2025	12:06	LB135289

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690
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	108	100	108	80 - 120	P	04/03/2025	12:11	LB135289
	Antimony	50.7	50.0	101	80 - 120	P	04/03/2025	12:11	LB135289
	Arsenic	20.6	20.0	103	80 - 120	P	04/03/2025	12:11	LB135289
	Barium	88.9	100	89	80 - 120	P	04/03/2025	12:11	LB135289
	Beryllium	5.78	6.0	96	80 - 120	P	04/03/2025	12:11	LB135289
	Cadmium	5.76	6.0	96	80 - 120	P	04/03/2025	12:11	LB135289
	Calcium	1970	2000	99	80 - 120	P	04/03/2025	12:11	LB135289
	Chromium	9.76	10.0	98	80 - 120	P	04/03/2025	12:11	LB135289
	Cobalt	28.7	30.0	96	80 - 120	P	04/03/2025	12:11	LB135289
	Copper	22.8	20.0	114	80 - 120	P	04/03/2025	12:11	LB135289
	Iron	102	100	102	80 - 120	P	04/03/2025	12:11	LB135289
	Lead	11.1	12.0	93	80 - 120	P	04/03/2025	12:11	LB135289
	Magnesium	2010	2000	100	80 - 120	P	04/03/2025	12:11	LB135289
	Manganese	16.8	20.0	84	80 - 120	P	04/03/2025	12:11	LB135289
	Nickel	38.6	40.0	96	80 - 120	P	04/03/2025	12:11	LB135289
	Potassium	1900	2000	95	80 - 120	P	04/03/2025	12:11	LB135289
	Selenium	17.6	20.0	88	80 - 120	P	04/03/2025	12:11	LB135289
	Silver	10.4	10.0	104	80 - 120	P	04/03/2025	12:11	LB135289
	Sodium	1990	2000	99	80 - 120	P	04/03/2025	12:11	LB135289
	Thallium	39.8	40.0	100	80 - 120	P	04/03/2025	12:11	LB135289
	Vanadium	39.2	40.0	98	80 - 120	P	04/03/2025	12:11	LB135289
	Zinc	45.4	40.0	114	80 - 120	P	04/03/2025	12:11	LB135289

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1690
 Contract: GENV01 Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690
 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	9890	10000	99	90 - 110	P	04/03/2025	12:41	LB135289
	Antimony	5130	5000	103	90 - 110	P	04/03/2025	12:41	LB135289
	Arsenic	5050	5000	101	90 - 110	P	04/03/2025	12:41	LB135289
	Barium	9400	10000	94	90 - 110	P	04/03/2025	12:41	LB135289
	Beryllium	240	250	96	90 - 110	P	04/03/2025	12:41	LB135289
	Cadmium	2440	2500	98	90 - 110	P	04/03/2025	12:41	LB135289
	Calcium	23900	25000	96	90 - 110	P	04/03/2025	12:41	LB135289
	Chromium	1020	1000	102	90 - 110	P	04/03/2025	12:41	LB135289
	Cobalt	2440	2500	98	90 - 110	P	04/03/2025	12:41	LB135289
	Copper	1270	1250	102	90 - 110	P	04/03/2025	12:41	LB135289
	Iron	4870	5000	97	90 - 110	P	04/03/2025	12:41	LB135289
	Lead	4930	5000	99	90 - 110	P	04/03/2025	12:41	LB135289
	Magnesium	23600	25000	94	90 - 110	P	04/03/2025	12:41	LB135289
	Manganese	2320	2500	93	90 - 110	P	04/03/2025	12:41	LB135289
	Nickel	2430	2500	97	90 - 110	P	04/03/2025	12:41	LB135289
	Potassium	24800	25000	99	90 - 110	P	04/03/2025	12:41	LB135289
	Selenium	5110	5000	102	90 - 110	P	04/03/2025	12:41	LB135289
	Silver	1260	1250	101	90 - 110	P	04/03/2025	12:41	LB135289
	Sodium	25700	25000	103	90 - 110	P	04/03/2025	12:41	LB135289
	Thallium	5150	5000	103	90 - 110	P	04/03/2025	12:41	LB135289
CCV02	Vanadium	2410	2500	96	90 - 110	P	04/03/2025	12:41	LB135289
	Zinc	2530	2500	101	90 - 110	P	04/03/2025	12:41	LB135289
	Aluminum	9620	10000	96	90 - 110	P	04/03/2025	13:53	LB135289
	Antimony	5080	5000	102	90 - 110	P	04/03/2025	13:53	LB135289
	Arsenic	5030	5000	100	90 - 110	P	04/03/2025	13:53	LB135289
	Barium	9400	10000	94	90 - 110	P	04/03/2025	13:53	LB135289
	Beryllium	228	250	91	90 - 110	P	04/03/2025	13:53	LB135289
	Cadmium	2410	2500	97	90 - 110	P	04/03/2025	13:53	LB135289
	Calcium	23200	25000	93	90 - 110	P	04/03/2025	13:53	LB135289
	Chromium	995	1000	100	90 - 110	P	04/03/2025	13:53	LB135289
	Cobalt	2420	2500	97	90 - 110	P	04/03/2025	13:53	LB135289
	Copper	1260	1250	101	90 - 110	P	04/03/2025	13:53	LB135289
	Iron	4860	5000	97	90 - 110	P	04/03/2025	13:53	LB135289
	Lead	4860	5000	97	90 - 110	P	04/03/2025	13:53	LB135289

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1690
 Contract: GENV01 Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690
 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	Magnesium	22900	25000	91	90 - 110	P	04/03/2025	13:53	LB135289
	Manganese	2260	2500	90	90 - 110	P	04/03/2025	13:53	LB135289
	Nickel	2420	2500	97	90 - 110	P	04/03/2025	13:53	LB135289
	Potassium	24800	25000	99	90 - 110	P	04/03/2025	13:53	LB135289
	Selenium	5060	5000	101	90 - 110	P	04/03/2025	13:53	LB135289
	Silver	1230	1250	98	90 - 110	P	04/03/2025	13:53	LB135289
	Sodium	25600	25000	102	90 - 110	P	04/03/2025	13:53	LB135289
	Thallium	5010	5000	100	90 - 110	P	04/03/2025	13:53	LB135289
	Vanadium	2350	2500	94	90 - 110	P	04/03/2025	13:53	LB135289
	Zinc	2490	2500	100	90 - 110	P	04/03/2025	13:53	LB135289
CCV03	Aluminum	9770	10000	98	90 - 110	P	04/03/2025	14:39	LB135289
	Antimony	5090	5000	102	90 - 110	P	04/03/2025	14:39	LB135289
	Arsenic	5030	5000	101	90 - 110	P	04/03/2025	14:39	LB135289
	Barium	9580	10000	96	90 - 110	P	04/03/2025	14:39	LB135289
	Beryllium	242	250	97	90 - 110	P	04/03/2025	14:39	LB135289
	Cadmium	2440	2500	98	90 - 110	P	04/03/2025	14:39	LB135289
	Calcium	23700	25000	95	90 - 110	P	04/03/2025	14:39	LB135289
	Chromium	1010	1000	101	90 - 110	P	04/03/2025	14:39	LB135289
	Cobalt	2450	2500	98	90 - 110	P	04/03/2025	14:39	LB135289
	Copper	1270	1250	102	90 - 110	P	04/03/2025	14:39	LB135289
	Iron	4880	5000	98	90 - 110	P	04/03/2025	14:39	LB135289
	Lead	4910	5000	98	90 - 110	P	04/03/2025	14:39	LB135289
	Magnesium	23900	25000	96	90 - 110	P	04/03/2025	14:39	LB135289
	Manganese	2320	2500	93	90 - 110	P	04/03/2025	14:39	LB135289
	Nickel	2450	2500	98	90 - 110	P	04/03/2025	14:39	LB135289
	Potassium	24600	25000	99	90 - 110	P	04/03/2025	14:39	LB135289
	Selenium	5080	5000	102	90 - 110	P	04/03/2025	14:39	LB135289
	Silver	1250	1250	100	90 - 110	P	04/03/2025	14:39	LB135289
	Sodium	25300	25000	101	90 - 110	P	04/03/2025	14:39	LB135289
	Thallium	5200	5000	104	90 - 110	P	04/03/2025	14:39	LB135289
	Vanadium	2410	2500	96	90 - 110	P	04/03/2025	14:39	LB135289
	Zinc	2520	2500	101	90 - 110	P	04/03/2025	14:39	LB135289
CCV04	Aluminum	9360	10000	94	90 - 110	P	04/03/2025	15:32	LB135289
	Antimony	4900	5000	98	90 - 110	P	04/03/2025	15:32	LB135289

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1690
 Contract: GENV01 Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690
 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	Arsenic	4890	5000	98	90 - 110	P	04/03/2025	15:32	LB135289
	Barium	9580	10000	96	90 - 110	P	04/03/2025	15:32	LB135289
	Beryllium	231	250	92	90 - 110	P	04/03/2025	15:32	LB135289
	Cadmium	2430	2500	97	90 - 110	P	04/03/2025	15:32	LB135289
	Calcium	23100	25000	92	90 - 110	P	04/03/2025	15:32	LB135289
	Chromium	990	1000	99	90 - 110	P	04/03/2025	15:32	LB135289
	Cobalt	2440	2500	98	90 - 110	P	04/03/2025	15:32	LB135289
	Copper	1250	1250	100	90 - 110	P	04/03/2025	15:32	LB135289
	Iron	4970	5000	99	90 - 110	P	04/03/2025	15:32	LB135289
	Lead	4850	5000	97	90 - 110	P	04/03/2025	15:32	LB135289
	Magnesium	23700	25000	95	90 - 110	P	04/03/2025	15:32	LB135289
	Manganese	2300	2500	92	90 - 110	P	04/03/2025	15:32	LB135289
	Nickel	2470	2500	99	90 - 110	P	04/03/2025	15:32	LB135289
	Potassium	25000	25000	100	90 - 110	P	04/03/2025	15:32	LB135289
	Selenium	4900	5000	98	90 - 110	P	04/03/2025	15:32	LB135289
	Silver	1230	1250	98	90 - 110	P	04/03/2025	15:32	LB135289
	Sodium	25200	25000	101	90 - 110	P	04/03/2025	15:32	LB135289
	Thallium	5110	5000	102	90 - 110	P	04/03/2025	15:32	LB135289
	Vanadium	2390	2500	96	90 - 110	P	04/03/2025	15:32	LB135289
	Zinc	2460	2500	98	90 - 110	P	04/03/2025	15:32	LB135289
CCV05	Aluminum	9300	10000	93	90 - 110	P	04/03/2025	16:36	LB135289
	Antimony	4940	5000	99	90 - 110	P	04/03/2025	16:36	LB135289
	Arsenic	4900	5000	98	90 - 110	P	04/03/2025	16:36	LB135289
	Barium	9610	10000	96	90 - 110	P	04/03/2025	16:36	LB135289
	Beryllium	227	250	91	90 - 110	P	04/03/2025	16:36	LB135289
	Cadmium	2440	2500	98	90 - 110	P	04/03/2025	16:36	LB135289
	Calcium	23000	25000	92	90 - 110	P	04/03/2025	16:36	LB135289
	Chromium	994	1000	99	90 - 110	P	04/03/2025	16:36	LB135289
	Cobalt	2450	2500	98	90 - 110	P	04/03/2025	16:36	LB135289
	Copper	1250	1250	100	90 - 110	P	04/03/2025	16:36	LB135289
	Iron	4900	5000	98	90 - 110	P	04/03/2025	16:36	LB135289
	Lead	4860	5000	97	90 - 110	P	04/03/2025	16:36	LB135289
	Magnesium	23700	25000	95	90 - 110	P	04/03/2025	16:36	LB135289
	Manganese	2260	2500	91	90 - 110	P	04/03/2025	16:36	LB135289

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1690
 Contract: GENV01 Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690
 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	Nickel	2480	2500	99	90 - 110	P	04/03/2025	16:36	LB135289
	Potassium	24700	25000	99	90 - 110	P	04/03/2025	16:36	LB135289
	Selenium	4900	5000	98	90 - 110	P	04/03/2025	16:36	LB135289
	Silver	1220	1250	98	90 - 110	P	04/03/2025	16:36	LB135289
	Sodium	25100	25000	100	90 - 110	P	04/03/2025	16:36	LB135289
	Thallium	5060	5000	101	90 - 110	P	04/03/2025	16:36	LB135289
	Vanadium	2380	2500	95	90 - 110	P	04/03/2025	16:36	LB135289
	Zinc	2440	2500	98	90 - 110	P	04/03/2025	16:36	LB135289
CCV06	Aluminum	9570	10000	96	90 - 110	P	04/03/2025	17:48	LB135289
	Antimony	5050	5000	101	90 - 110	P	04/03/2025	17:48	LB135289
	Arsenic	5010	5000	100	90 - 110	P	04/03/2025	17:48	LB135289
	Barium	9640	10000	96	90 - 110	P	04/03/2025	17:48	LB135289
	Beryllium	239	250	96	90 - 110	P	04/03/2025	17:48	LB135289
	Cadmium	2480	2500	99	90 - 110	P	04/03/2025	17:48	LB135289
	Calcium	23600	25000	94	90 - 110	P	04/03/2025	17:48	LB135289
	Chromium	1010	1000	101	90 - 110	P	04/03/2025	17:48	LB135289
	Cobalt	2490	2500	100	90 - 110	P	04/03/2025	17:48	LB135289
	Copper	1280	1250	103	90 - 110	P	04/03/2025	17:48	LB135289
	Iron	4880	5000	98	90 - 110	P	04/03/2025	17:48	LB135289
	Lead	4940	5000	99	90 - 110	P	04/03/2025	17:48	LB135289
	Magnesium	24100	25000	97	90 - 110	P	04/03/2025	17:48	LB135289
	Manganese	2310	2500	92	90 - 110	P	04/03/2025	17:48	LB135289
	Nickel	2520	2500	101	90 - 110	P	04/03/2025	17:48	LB135289
	Potassium	25300	25000	101	90 - 110	P	04/03/2025	17:48	LB135289
	Selenium	5020	5000	100	90 - 110	P	04/03/2025	17:48	LB135289
	Silver	1250	1250	100	90 - 110	P	04/03/2025	17:48	LB135289
	Sodium	27000	25000	108	90 - 110	P	04/03/2025	17:48	LB135289
	Thallium	5220	5000	104	90 - 110	P	04/03/2025	17:48	LB135289
	Vanadium	2430	2500	97	90 - 110	P	04/03/2025	17:48	LB135289
	Zinc	2530	2500	101	90 - 110	P	04/03/2025	17:48	LB135289
CCV07	Aluminum	9840	10000	98	90 - 110	P	04/03/2025	18:29	LB135289
	Antimony	5050	5000	101	90 - 110	P	04/03/2025	18:29	LB135289
	Arsenic	5020	5000	100	90 - 110	P	04/03/2025	18:29	LB135289
	Barium	9620	10000	96	90 - 110	P	04/03/2025	18:29	LB135289

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690
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
CCV07	Beryllium	253	250	101	90 - 110	P	04/03/2025	18:29	LB135289
	Cadmium	2490	2500	100	90 - 110	P	04/03/2025	18:29	LB135289
	Calcium	24200	25000	97	90 - 110	P	04/03/2025	18:29	LB135289
	Chromium	1050	1000	104	90 - 110	P	04/03/2025	18:29	LB135289
	Cobalt	2500	2500	100	90 - 110	P	04/03/2025	18:29	LB135289
	Copper	1280	1250	103	90 - 110	P	04/03/2025	18:29	LB135289
	Iron	4960	5000	99	90 - 110	P	04/03/2025	18:29	LB135289
	Lead	4980	5000	100	90 - 110	P	04/03/2025	18:29	LB135289
	Magnesium	24700	25000	99	90 - 110	P	04/03/2025	18:29	LB135289
	Manganese	2360	2500	94	90 - 110	P	04/03/2025	18:29	LB135289
	Nickel	2520	2500	101	90 - 110	P	04/03/2025	18:29	LB135289
	Potassium	25300	25000	101	90 - 110	P	04/03/2025	18:29	LB135289
	Selenium	5010	5000	100	90 - 110	P	04/03/2025	18:29	LB135289
	Silver	1290	1250	103	90 - 110	P	04/03/2025	18:29	LB135289
	Sodium	26600	25000	106	90 - 110	P	04/03/2025	18:29	LB135289
	Thallium	5310	5000	106	90 - 110	P	04/03/2025	18:29	LB135289
	Vanadium	2470	2500	99	90 - 110	P	04/03/2025	18:29	LB135289
	Zinc	2590	2500	104	90 - 110	P	04/03/2025	18:29	LB135289

Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690
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	0.20	0.2	101	40 - 160	CV	04/02/2025	14:19	LB135269
CRI01	Aluminum	108	100	108	40 - 160	P	04/03/2025	12:20	LB135289
	Antimony	52.6	50.0	105	40 - 160	P	04/03/2025	12:20	LB135289
	Arsenic	21.0	20.0	105	40 - 160	P	04/03/2025	12:20	LB135289
	Barium	82.8	100	83	40 - 160	P	04/03/2025	12:20	LB135289
	Beryllium	5.91	6.0	98	40 - 160	P	04/03/2025	12:20	LB135289
	Cadmium	5.76	6.0	96	40 - 160	P	04/03/2025	12:20	LB135289
	Calcium	1940	2000	97	40 - 160	P	04/03/2025	12:20	LB135289
	Chromium	10.00	10.0	100	40 - 160	P	04/03/2025	12:20	LB135289
	Cobalt	28.9	30.0	96	40 - 160	P	04/03/2025	12:20	LB135289
	Copper	22.8	20.0	114	40 - 160	P	04/03/2025	12:20	LB135289
	Iron	110	100	110	40 - 160	P	04/03/2025	12:20	LB135289
	Lead	11.6	12.0	96	40 - 160	P	04/03/2025	12:20	LB135289
	Magnesium	2020	2000	101	40 - 160	P	04/03/2025	12:20	LB135289
	Manganese	16.4	20.0	82	40 - 160	P	04/03/2025	12:20	LB135289
	Nickel	38.7	40.0	97	40 - 160	P	04/03/2025	12:20	LB135289
	Potassium	1850	2000	92	40 - 160	P	04/03/2025	12:20	LB135289
	Selenium	20.4	20.0	102	40 - 160	P	04/03/2025	12:20	LB135289
	Silver	10.7	10.0	107	40 - 160	P	04/03/2025	12:20	LB135289
	Sodium	1950	2000	97	40 - 160	P	04/03/2025	12:20	LB135289
	Thallium	41.1	40.0	103	40 - 160	P	04/03/2025	12:20	LB135289
	Vanadium	38.5	40.0	96	40 - 160	P	04/03/2025	12:20	LB135289
	Zinc	42.8	40.0	107	40 - 160	P	04/03/2025	12:20	LB135289

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q1690</u>
Contract: <u>GENV01</u>	Lab Code: <u>CHEM</u>
Case No.: <u>Q1690</u>	SAS No.: <u>Q1690</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	247000	255000	97	216000	294000	04/03/2025	12:24	LB135289
	Antimony	-2.32			-50	50	04/03/2025	12:24	LB135289
	Arsenic	6.02			-20	20	04/03/2025	12:24	LB135289
	Barium	-2.75	6.0	46	-94	106	04/03/2025	12:24	LB135289
	Beryllium	1.20			-6	6	04/03/2025	12:24	LB135289
	Cadmium	-1.36	1.0	136	-5	7	04/03/2025	12:24	LB135289
	Calcium	225000	245000	92	208000	282000	04/03/2025	12:24	LB135289
	Chromium	56.8	52.0	109	42	62	04/03/2025	12:24	LB135289
	Cobalt	1.78			-30	30	04/03/2025	12:24	LB135289
	Copper	3.95	2.0	198	-18	22	04/03/2025	12:24	LB135289
	Iron	93800	101000	93	85600	116500	04/03/2025	12:24	LB135289
	Lead	4.36			-12	12	04/03/2025	12:24	LB135289
	Magnesium	241000	255000	94	216000	294000	04/03/2025	12:24	LB135289
	Manganese	0.72	7.0	10	-13	27	04/03/2025	12:24	LB135289
	Nickel	1.10	2.0	55	-38	42	04/03/2025	12:24	LB135289
	Potassium	1.40			0	0	04/03/2025	12:24	LB135289
	Selenium	-13.7			-20	20	04/03/2025	12:24	LB135289
	Silver	0.24			-10	10	04/03/2025	12:24	LB135289
	Sodium	34.5			0	0	04/03/2025	12:24	LB135289
	Thallium	8.38			-40	40	04/03/2025	12:24	LB135289
	Vanadium	2.84			-40	40	04/03/2025	12:24	LB135289
	Zinc	5.44			-40	40	04/03/2025	12:24	LB135289
ICSAB01	Aluminum	254000	247000	103	209000	285000	04/03/2025	12:28	LB135289
	Antimony	638	618	103	525	711	04/03/2025	12:28	LB135289
	Arsenic	110	104	106	88.4	120	04/03/2025	12:28	LB135289
	Barium	475	537	88	437	637	04/03/2025	12:28	LB135289
	Beryllium	475	495	96	420	570	04/03/2025	12:28	LB135289
	Cadmium	1000	972	103	826	1120	04/03/2025	12:28	LB135289
	Calcium	232000	235000	99	199000	271000	04/03/2025	12:28	LB135289
	Chromium	573	542	106	460	624	04/03/2025	12:28	LB135289
	Cobalt	511	476	107	404	548	04/03/2025	12:28	LB135289
	Copper	512	511	100	434	588	04/03/2025	12:28	LB135289
	Iron	99000	99300	100	84400	114500	04/03/2025	12:28	LB135289
	Lead	55.2	49.0	113	37	61	04/03/2025	12:28	LB135289
	Magnesium	248000	248000	100	210000	286000	04/03/2025	12:28	LB135289
	Manganese	461	507	91	430	584	04/03/2025	12:28	LB135289
	Nickel	1010	954	106	810	1100	04/03/2025	12:28	LB135289
	Potassium	-37.2			0	0	04/03/2025	12:28	LB135289
	Selenium	35.0	46.0	76	26	66	04/03/2025	12:28	LB135289
	Silver	191	201	95	170	232	04/03/2025	12:28	LB135289
	Sodium	35.8			0	0	04/03/2025	12:28	LB135289
	Thallium	112	108	104	68	148	04/03/2025	12:28	LB135289

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q1690</u>
Contract: <u>GENV01</u> Lab Code: <u>CHEM</u>	Case No.: <u>Q1690</u> SAS No.: <u>Q1690</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	Vanadium	471	491	96	417	565	04/03/2025	12:28	LB135289
	Zinc	1070	952	112	809	1095	04/03/2025	12:28	LB135289



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	<u>G Environmental</u>	level:	<u>low</u>	sdg no.:	<u>Q1690</u>
contract:	<u>GENV01</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1690</u>
matrix:	<u>Water</u>	sample id:	<u>Q1690-01</u>	client id:	<u>MW112010MS</u>
Percent Solids for Sample:	<u>NA</u>	Spiked ID:	<u>Q1690-01MS</u>	Percent Solids for Spike Sample:	<u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2920		2180		1000	74	N	P
Antimony	ug/L	75 - 125	391		25.0	U	400	98		P
Arsenic	ug/L	75 - 125	373		10.0	U	400	93		P
Barium	ug/L	75 - 125	204		129		100	75		P
Beryllium	ug/L	75 - 125	84.6		3.00	U	100	85		P
Cadmium	ug/L	75 - 125	86.1		0.11	J	100	86		P
Calcium	ug/L	75 - 125	38800		40800		500	-401		P
Chromium	ug/L	75 - 125	188		6.09		200	91		P
Cobalt	ug/L	75 - 125	90.2		1.41	J	100	89		P
Copper	ug/L	75 - 125	164		25.1		150	92		P
Iron	ug/L	75 - 125	5200		4600		1500	40	N	P
Lead	ug/L	75 - 125	445		30.2		500	83		P
Magnesium	ug/L	75 - 125	5210		4670		1000	54		P
Manganese	ug/L	75 - 125	300		239		100	61	N	P
Mercury	ug/L	75 - 125	4.17		0.20	U	4.0	104		CV
Nickel	ug/L	75 - 125	227		6.49	J	250	88		P
Potassium	ug/L	75 - 125	6980		2610		5000	87		P
Selenium	ug/L	75 - 125	902		10.0	U	1000	90		P
Silver	ug/L	75 - 125	33.7		5.00	U	37.5	90		P
Sodium	ug/L	75 - 125	30800		33300		1500	-170		P
Thallium	ug/L	75 - 125	885		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	136		7.04	J	150	86		P
Zinc	ug/L	75 - 125	172		85.5		100	86		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>G Environmental</u>	level:	<u>low</u>	sdg no.:	<u>Q1690</u>
contract:	<u>GENV01</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1690</u>
matrix:	<u>Water</u>	sample id:	<u>Q1690-01</u>	client id:	<u>MW112010MSD</u>
Percent Solids for Sample:	<u>NA</u>	Spiked ID:	<u>Q1690-01MSD</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
Aluminum	ug/L	75 - 125	2890		2180		1000	72	N	P
Antimony	ug/L	75 - 125	382		25.0	U	400	96		P
Arsenic	ug/L	75 - 125	362		10.0	U	400	90		P
Barium	ug/L	75 - 125	211		129		100	82		P
Beryllium	ug/L	75 - 125	81.7		3.00	U	100	82		P
Cadmium	ug/L	75 - 125	84.8		0.11	J	100	85		P
Calcium	ug/L	75 - 125	38800		40800		500	-400		P
Chromium	ug/L	75 - 125	188		6.09		200	91		P
Cobalt	ug/L	75 - 125	89.5		1.41	J	100	88		P
Copper	ug/L	75 - 125	161		25.1		150	90		P
Iron	ug/L	75 - 125	5440		4600		1500	56	N	P
Lead	ug/L	75 - 125	439		30.2		500	82		P
Magnesium	ug/L	75 - 125	5180		4670		1000	51		P
Manganese	ug/L	75 - 125	304		239		100	65	N	P
Mercury	ug/L	75 - 125	4.08		0.20	U	4.0	102		CV
Nickel	ug/L	75 - 125	225		6.49	J	250	87		P
Potassium	ug/L	75 - 125	7300		2610		5000	94		P
Selenium	ug/L	75 - 125	875		10.0	U	1000	88		P
Silver	ug/L	75 - 125	33.9		5.00	U	37.5	90		P
Sodium	ug/L	75 - 125	31600		33300		1500	-117		P
Thallium	ug/L	75 - 125	876		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	136		7.04	J	150	86		P
Zinc	ug/L	75 - 125	172		85.5		100	87		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>G Environmental</u>	SDG No.: <u>Q1690</u>	
Contract: <u>GENV01</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1690</u> SAS No.: <u>Q1690</u>
Matrix: <u>Water</u>	Level: <u>LOW</u>	Client ID: <u>MW112010A</u>
Sample ID: <u>Q1690-01</u>	Spiked ID: <u>Q1690-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2990		2180		10000	8		P
Iron	ug/L	75 - 125	5560		4600		1500	64		P
Manganese	ug/L	75 - 125	304		239		100	65		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690
Matrix: Water **Sample ID:** Q1690-01 **Client ID:** MW112010DUP
Percent Solids for Sample: NA **Duplicate ID** Q1690-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	2180		2300		5		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	129		131		2		P
Beryllium	ug/L	20	3.00	U	0.14	J	200.0		P
Cadmium	ug/L	20	0.11	J	0.14	J	25		P
Calcium	ug/L	20	40800		40600		0		P
Chromium	ug/L	20	6.09		6.10		0		P
Cobalt	ug/L	20	1.41	J	1.43	J	1		P
Copper	ug/L	20	25.1		24.8		1		P
Iron	ug/L	20	4600		4530		2		P
Lead	ug/L	20	30.2		29.6		2		P
Magnesium	ug/L	20	4670		4680		0		P
Manganese	ug/L	20	239		241		1		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Nickel	ug/L	20	6.49	J	6.37	J	2		P
Potassium	ug/L	20	2610		2580		1		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	33300		32200		3		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	7.04	J	7.65	J	8		P
Zinc	ug/L	20	85.5		85.4		0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690
Matrix: Water **Sample ID:** Q1690-01MS **Client ID:** MW112010MSD
Percent Solids for Sample: NA **Duplicate ID** Q1690-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	2920		2890		1		P
Antimony	ug/L	20	391		382		2		P
Arsenic	ug/L	20	373		362		3		P
Barium	ug/L	20	204		211		3		P
Beryllium	ug/L	20	84.6		81.7		3		P
Cadmium	ug/L	20	86.1		84.8		2		P
Calcium	ug/L	20	38800		38800		0		P
Chromium	ug/L	20	188		188		0		P
Cobalt	ug/L	20	90.2		89.5		1		P
Copper	ug/L	20	164		161		2		P
Iron	ug/L	20	5200		5440		5		P
Lead	ug/L	20	445		439		1		P
Magnesium	ug/L	20	5210		5180		1		P
Manganese	ug/L	20	300		304		1		P
Mercury	ug/L	20	4.17		4.08		2		CV
Nickel	ug/L	20	227		225		1		P
Potassium	ug/L	20	6980		7300		4		P
Selenium	ug/L	20	902		875		3		P
Silver	ug/L	20	33.7		33.9		1		P
Sodium	ug/L	20	30800		31600		3		P
Thallium	ug/L	20	885		876		1		P
Vanadium	ug/L	20	136		136		0		P
Zinc	ug/L	20	172		172		0		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1690
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167422BS							
Aluminum	ug/L	1000	931		93	80 - 120	P
Antimony	ug/L	400	403		101	80 - 120	P
Arsenic	ug/L	400	387		97	80 - 120	P
Barium	ug/L	100	87.1		87	80 - 120	P
Beryllium	ug/L	100	92.8		93	80 - 120	P
Cadmium	ug/L	100	93.8		94	80 - 120	P
Calcium	ug/L	500	453	J	91	80 - 120	P
Chromium	ug/L	200	201		100	80 - 120	P
Cobalt	ug/L	100	95.5		96	80 - 120	P
Copper	ug/L	150	155		103	80 - 120	P
Iron	ug/L	1500	1440		96	80 - 120	P
Lead	ug/L	500	467		93	80 - 120	P
Magnesium	ug/L	1000	923	J	92	80 - 120	P
Manganese	ug/L	100	90.4		90	80 - 120	P
Nickel	ug/L	250	241		96	80 - 120	P
Potassium	ug/L	5000	4670		93	80 - 120	P
Selenium	ug/L	1000	983		98	80 - 120	P
Silver	ug/L	37.5	37.4		100	80 - 120	P
Sodium	ug/L	1500	1500		100	80 - 120	P
Thallium	ug/L	1000	1020		102	80 - 120	P
Vanadium	ug/L	150	140		93	80 - 120	P
Zinc	ug/L	100	101		101	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q1690

Contract: GENV01

Lab Code: CHEM

Case No.: Q1690

SAS No.: Q1690

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167425BS Mercury	ug/L	4.0	3.42		86	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MW112010L

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM **Lb No.:** lb135289 **Lab Sample ID :** Q1690-01L **SDG No.:** Q1690

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Aluminum	2180		2400		10		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	129		123	J	5		P
Beryllium	3.00	U	15.0	U			P
Cadmium	0.11	J	15.0	U	100.0		P
Calcium	40800		42300		4		P
Chromium	6.09		6.14	J	1		P
Cobalt	1.41	J	75.0	U	100.0		P
Copper	25.1		50.0	U	100.0		P
Iron	4600		4780		4		P
Lead	30.2		30.8		2		P
Magnesium	4670		4910	J	5		P
Manganese	239		248		4		P
Mercury	0.20	U	1.00	U			CV
Nickel	6.49	J	6.44	J	1		P
Potassium	2610		5000	U	100.0		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	33300		32400		3		P
Thallium	20.0	U	100	U			P
Vanadium	7.04	J	100	U	100.0		P
Zinc	85.5		86.9	J	2		P

metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1690 **Sas no.:** Q1690 **Sdg no.:** Q1690

Instrument id number: **Method:** **Run number:** LB135269

Start date: 04/02/2025 **End date:** 04/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1340	HG
S0.2	S0.2	1	1342	HG
S2.5	S2.5	1	1345	HG
S5	S5	1	1347	HG
S7.5	S7.5	1	1355	HG
S10	S10	1	1400	HG
ICV73	ICV73	1	1410	HG
ICB73	ICB73	1	1412	HG
CCV23	CCV23	1	1414	HG
CCB23	CCB23	1	1417	HG
CRA	CRA	1	1419	HG
PB167425BL	PB167425BL	1	1426	HG
Q1690-01	MW112010	1	1433	HG
Q1690-01DUP	MW112010DUP	1	1435	HG
Q1690-01MS	MW112010MS	1	1440	HG
Q1690-01MSD	MW112010MSD	1	1442	HG
CCV24	CCV24	1	1444	HG
CCB24	CCB24	1	1446	HG
Q1690-01L	MW112010L	5	1454	HG
PB167425BS	PB167425BS	1	1458	HG
CCV25	CCV25	1	1503	HG
CCB25	CCB25	1	1505	HG

metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1690 **Sas no.:** Q1690 **Sdg no.:** Q1690

Instrument id number: **Method:** **Run number:** LB135289

Start date: 04/03/2025 **End date:** 04/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1022	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1026	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1030	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1034	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1039	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1043	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1206	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1211	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1215	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1224	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1241	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1247	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1353	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01	MW112010	1	1410	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01DUP	MW112010DUP	1	1423	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01L	MW112010L	5	1428	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1443	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01MS	MW112010MS	1	1449	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01MSD	MW112010MSD	1	1453	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01A	MW112010A	1	1457	Al,Fe,Mn
PB167422BL	PB167422BL	1	1506	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167422BS	PB167422BS	1	1510	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1532	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1636	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1640	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1748	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1800	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1829	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1833	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1690

Contract: GENV01

Lab Code: CHEM

Case No.: Q1690

SAS No.: Q1690

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
Cobalt	228.616	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: G Environmental

SDG No.: Q1690

Contract: GENV01

Lab Code: CHEM

Case No.: Q1690

SAS No.: Q1690

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
Cobalt	228.616	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: G Environmental

SDG No.: Q1690

Contract: GENV01

Lab Code: CHEM

Case No.: Q1690

SAS No.: Q1690

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
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
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 INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1690

Contract: GENV01

Lab Code: CHEM

Case No.: Q1690

SAS No.: Q1690

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement 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
Cobalt	228.616	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: G Environmental

SDG No.: Q1690

Contract: GENV01

Lab Code: CHEM

Case No.: Q1690

SAS No.: Q1690

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
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	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

LAB CHRONICLE

OrderID:	Q1690	OrderDate:	4/1/2025 12:32:10 PM
Client:	G Environmental	Project:	TGP
Contact:	Gary Landis	Location:	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1690-01	MW112010	Water			03/31/25			04/01/25
			Mercury	7470A		04/02/25	04/02/25	
			Metals ICP-TAL	6010D		04/02/25	04/03/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q1690</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1690</u>
		SAS No.:	<u>Q1690</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167422							
PB167422BL	PB167422BL	MB	WATER	04/02/2025	50.0	25.0	
PB167422BS	PB167422BS	LCS	WATER	04/02/2025	50.0	25.0	
Q1690-01	MW112010	SAM	WATER	04/02/2025	50.0	25.0	
Q1690-01DUP	MW112010DUP	DUP	WATER	04/02/2025	50.0	25.0	
Q1690-01MS	MW112010MS	MS	WATER	04/02/2025	50.0	25.0	
Q1690-01MSD	MW112010MSD	MSD	WATER	04/02/2025	50.0	25.0	

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q1690</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1690</u>
		SAS No.:	<u>Q1690</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167425							
PB167425BL	PB167425BL	MB	WATER	04/02/2025	30.0	30.0	
PB167425BS	PB167425BS	LCS	WATER	04/02/2025	30.0	30.0	
Q1690-01	MW112010	SAM	WATER	04/02/2025	30.0	30.0	
Q1690-01DUP	MW112010DUP	DUP	WATER	04/02/2025	30.0	30.0	
Q1690-01MS	MW112010MS	MS	WATER	04/02/2025	30.0	30.0	
Q1690-01MSD	MW112010MSD	MSD	WATER	04/02/2025	30.0	30.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135269

Review By	mohan	Review On	4/4/2025 5:08:12 PM
Supervise By	jaswal	Supervise On	4/4/2025 5:09:24 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85106,MP85107,MP85108,MP85109,MP85110,MP85111		
ICV Standard	MP85112		
CCV Standard	MP85114		
ICSA Standard			
CRI Standard	MP85116		
LCS Standard			
Chk Standard	MP85113,MP85115,MP85117,MP85119		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	04/02/25 13:40		mohan	OK
2	S0.2	S0.2	CAL2	04/02/25 13:42		mohan	OK
3	S2.5	S2.5	CAL3	04/02/25 13:45		mohan	OK
4	S5	S5	CAL4	04/02/25 13:47		mohan	OK
5	S7.5	S7.5	CAL5	04/02/25 13:55		mohan	OK
6	S10	S10	CAL6	04/02/25 14:00		mohan	OK
7	ICV73	ICV73	ICV	04/02/25 14:10		mohan	OK
8	ICB73	ICB73	ICB	04/02/25 14:12		mohan	OK
9	CCV23	CCV23	CCV	04/02/25 14:14		mohan	OK
10	CCB23	CCB23	CCB	04/02/25 14:17		mohan	OK
11	CRA	CRA	CRDL	04/02/25 14:19		mohan	OK
12	HighStd	HighStd	HIGH STD	04/02/25 14:21		mohan	OK
13	ChkStd	ChkStd	SAM	04/02/25 14:23		mohan	OK
14	PB167425BL	PB167425BL	MB	04/02/25 14:26		mohan	OK
15	Q1666-01	TW-WTS-05	SAM	04/02/25 14:30		mohan	OK
16	Q1690-01	MW112010	SAM	04/02/25 14:33		mohan	OK
17	Q1690-01DUP	MW112010DUP	DUP	04/02/25 14:35		mohan	OK
18	Q1690-01MS	MW112010MS	MS	04/02/25 14:40		mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135269

Review By	mohan	Review On	4/4/2025 5:08:12 PM
Supervise By	jaswal	Supervise On	4/4/2025 5:09:24 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85106,MP85107,MP85108,MP85109,MP85110,MP85111		
ICV Standard	MP85112		
CCV Standard	MP85114		
ICSA Standard			
CRI Standard	MP85116		
LCS Standard			
Chk Standard	MP85113,MP85115,MP85117,MP85119		

19	Q1690-01MSD	MW112010MSD	MSD	04/02/25 14:42		mohan	OK
20	CCV24	CCV24	CCV	04/02/25 14:44		mohan	OK
21	CCB24	CCB24	CCB	04/02/25 14:46		mohan	OK
22	Q1690-01L	MW112010L	SD	04/02/25 14:54		mohan	OK
23	Q1690-01A	MW112010A	PS	04/02/25 14:56		mohan	OK
24	PB167425BS	PB167425BS	LCS	04/02/25 14:58		mohan	OK
25	CCV25	CCV25	CCV	04/02/25 15:03		mohan	OK
26	CCB25	CCB25	CCB	04/02/25 15:05		mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	04/03/25 10:22		Kareem	OK
2	S1	S1	CAL2	04/03/25 10:26		Kareem	OK
3	S2	S2	CAL3	04/03/25 10:30		Kareem	OK
4	S3	S3	CAL4	04/03/25 10:34		Kareem	OK
5	S4	S4	CAL5	04/03/25 10:39		Kareem	OK
6	S5	S5	CAL6	04/03/25 10:43		Kareem	OK
7	ICV01	ICV01	ICV	04/03/25 12:06	ICV fail for Sb,Na,Tl (200.7) (95-105)	Kareem	OK
8	LLICV01	LLICV01	LLICV	04/03/25 12:11		Kareem	OK
9	ICB01	ICB01	ICB	04/03/25 12:15		Kareem	OK
10	CRI01	CRI01	CRDL	04/03/25 12:20		Kareem	OK
11	ICSA01	ICSA01	ICSA	04/03/25 12:24		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	04/03/25 12:28		Kareem	OK
13	ICSADL	ICSADL	ICSA	04/03/25 12:33		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	04/03/25 12:37		Kareem	OK
15	CCV01	CCV01	CCV	04/03/25 12:41		Kareem	OK
16	CCB01	CCB01	CCB	04/03/25 12:47		Kareem	OK
17	Q1503-07	PT-SIO2-WP	SAM	04/03/25 12:51	Si high	Kareem	Dilution
18	Q1680-01	TP-4	SAM	04/03/25 13:00		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

19	Q1680-01DUP	TP-4DUP	DUP	04/03/25 13:05		Kareem	OK
20	Q1680-01L	TP-4L	SD	04/03/25 13:09		Kareem	OK
21	Q1680-01MS	TP-4MS	MS	04/03/25 13:17	0.1 ML OF M6013 AND M6004	Kareem	OK
22	Q1680-01MSD	TP-4MSD	MSD	04/03/25 13:28	0.1 ML OF M6013 AND M6004	Kareem	OK
23	Q1680-01A	TP-4A	PS	04/03/25 13:32	0.1 ML OF M6013 AND M6004	Kareem	OK
24	Q1681-01	TP-12	SAM	04/03/25 13:40		Kareem	OK
25	Q1503-07DL	PT-SIO2-WPDL	SAM	04/03/25 13:45	10x for Si	Kareem	Confirms
26	Q1688-01	OR-02-040125	SAM	04/03/25 13:49		Kareem	OK
27	CCV02	CCV02	CCV	04/03/25 13:53		Kareem	OK
28	CCB02	CCB02	CCB	04/03/25 13:57		Kareem	OK
29	PB167411BL	PB167411BL	MB	04/03/25 14:02		Kareem	OK
30	PB167411BS	PB167411BS	LCS	04/03/25 14:06	0.1 ML OF M6013 AND M6004	Kareem	OK
31	Q1690-01	MW112010	SAM	04/03/25 14:10		Kareem	OK
32	Q1707-01	001-WILLETS-PT-BL	SAM	04/03/25 14:15		Kareem	OK
33	Q1707-02	002-35TH-AVE(MAR)	SAM	04/03/25 14:19		Kareem	OK
34	Q1690-01DUP	MW112010DUP	DUP	04/03/25 14:23		Kareem	OK
35	Q1690-01L	MW112010L	SD	04/03/25 14:28		Kareem	OK
36	Q1692-01	NB-08-04012025	SAM	04/03/25 14:35		Kareem	OK
37	CCV03	CCV03	CCV	04/03/25 14:39		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM

STD. NAME	STD REF.#
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022
ICV Standard	MP85023
CCV Standard	MP85026
ICSA Standard	MP85024,MP85025
CRI Standard	MP85022
LCS Standard	
Chk Standard	MP85030,MP85031

38	CCB03	CCB03	CCB	04/03/25 14:43		Kareem	OK
39	Q1690-01MS	MW112010MS	MS	04/03/25 14:49	0.1 ML OF M6013 AND M6004	Kareem	OK
40	Q1690-01MSD	MW112010MSD	MSD	04/03/25 14:53	0.1 ML OF M6013 AND M6004	Kareem	OK
41	Q1690-01A	MW112010A	PS	04/03/25 14:57	0.1 ML OF M6013 AND M6004	Kareem	OK
42	Q1657-04	72-11998	SAM	04/03/25 15:01		Kareem	OK
43	PB167422BL	PB167422BL	MB	04/03/25 15:06		Kareem	OK
44	PB167422BS	PB167422BS	LCS	04/03/25 15:10	0.1 ML OF M6013 AND M6004	Kareem	OK
45	Q1673-01	GW-CONTROL	SAM	04/03/25 15:14		Kareem	OK
46	Q1673-02	SDC9	SAM	04/03/25 15:19		Kareem	OK
47	Q1684-01	SU-04-040125	SAM	04/03/25 15:23		Kareem	OK
48	Q1685-01	HR-02-040125	SAM	04/03/25 15:28		Kareem	OK
49	CCV04	CCV04	CCV	04/03/25 15:32		Kareem	OK
50	CCB04	CCB04	CCB	04/03/25 15:36		Kareem	OK
51	Q1685-01DUP	HR-02-040125DUP	DUP	04/03/25 15:40		Kareem	OK
52	Q1685-01L	HR-02-040125L	SD	04/03/25 15:45		Kareem	OK
53	Q1685-01A	HR-02-040125A	PS	04/03/25 15:58	0.1 ML OF M6013 AND M6004	Kareem	OK
54	Q1693-01	WCS-TP-3	SAM	04/03/25 16:02		Kareem	OK
55	Q1685-01MS	HR-02-040125MS	MS	04/03/25 16:06		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

56	Q1685-01MSD	HR-02-040125MSD	MSD	04/03/25 16:10		Kareem	OK
57	Q1693-05	WCS-TP-2	SAM	04/03/25 16:15		Kareem	OK
58	Q1693-09	WCS-TP-1	SAM	04/03/25 16:19		Kareem	OK
59	Q1694-01	TP-18	SAM	04/03/25 16:23		Kareem	OK
60	Q1695-01	TT-2	SAM	04/03/25 16:27		Kareem	OK
61	CCV05	CCV05	CCV	04/03/25 16:36		Kareem	OK
62	CCB05	CCB05	CCB	04/03/25 16:40		Kareem	OK
63	LR1	LR1	HIGH STD	04/03/25 16:46		Kareem	OK
64	LR2	LR2	HIGH STD	04/03/25 16:51		Kareem	OK
65	Q1695-05	TT-3	SAM	04/03/25 16:55		Kareem	OK
66	PB167421BS	PB167421BS	LCS	04/03/25 17:03	0.1 ML OF M6013 AND M6004	Kareem	OK
67	PB167421BL	PB167421BL	MB	04/03/25 17:09		Kareem	OK
68	Q1689-01	Q2 WASTEWATER	SAM	04/03/25 17:13	MS/MS fail for more than 50% parameter	Kareem	Not Ok
69	Q1689-01DUP	Q2 WASTEWATERDUP	DUP	04/03/25 17:18	MS/MS fail for more than 50% parameter	Kareem	Not Ok
70	Q1689-01L	Q2 WASTEWATERL	SD	04/03/25 17:22	MS/MS fail for more than 50% parameter	Kareem	Not Ok
71	Q1689-01MS	Q2 WASTEWATERMS	MS	04/03/25 17:26	MS/MS fail for more than 50% parameter	Kareem	Not Ok
72	Q1689-01MSD	Q2 WASTEWATERMSD	MSD	04/03/25 17:30	MS/MS fail for more than 50% parameter	Kareem	Not Ok
73	CCV06	CCV06	CCV	04/03/25 17:48		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022		
ICV Standard	MP85023		
CCV Standard	MP85026		
ICSA Standard	MP85024,MP85025		
CRI Standard	MP85022		
LCS Standard			
Chk Standard	MP85030,MP85031		

74	CCB06	CCB06	CCB	04/03/25 18:00		Kareem	OK
75	Q1689-01A	Q2 WASTEWATERA	PS	04/03/25 18:04	MS/MS fail for more than 50% parameter	Kareem	Not Ok
76	Q1703-02	COMP	SAM	04/03/25 18:08		Kareem	OK
77	Q1704-01	402	SAM	04/03/25 18:13		Kareem	OK
78	PB167442BL	PB167442BL	MB	04/03/25 18:21		Kareem	OK
79	PB167442BS	PB167442BS	LCS	04/03/25 18:25	0.1 ML OF M6013 AND M6004	Kareem	OK
80	CCV07	CCV07	CCV	04/03/25 18:29		Kareem	OK
81	CCB07	CCB07	CCB	04/03/25 18:33		Kareem	OK

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 04/02/2025 Time : 09:15 Temp : 96 °C

End Digest Date: 04/02/2025 Time : 12:30 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SPB*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
LFS-1	0.25	M6012
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP84720
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL 50 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/02/25 13:30	<i>SPB met dig</i>	<i>SPB met dig</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167422BL	PBW422	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB167422BS	LCS422	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6012	2
Q1666-01	TW-WTS-05	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q1690-01	MW112010	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1690-01MS	MW112010MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6012	6
Q1690-01MSD	MW112010MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6012	7
Q1690-01DUP	MW112010DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 04/02/2025 Time : 09:05 Temp : 93 °C

End Digest Date: 04/02/2025 Time : 11:05 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 93°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85112
CCV	30mL	MP85114
CRA	30mL	MP85116
Blank Spike	0.48mL	MP85105
Matrix Spike	0.48mL	MP85105

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP84563
KMnO4 (5%)	4.5mL	MP84564
K2S2O8 (5%)	2.5mL	MP84565
Hydroxylamine HCL (12%)	2.0mL	MP84566
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP85106
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85107
2.5 ppb	S2.5	30mL	MP85108
5.0 ppb	S5.0	30mL	MP85109
7.5 ppb	S7.5	30mL	MP85110
10.0 ppb	S10.0	30mL	MP85111
ICV	ICV	30mL	MP85112
ICB	ICB	30mL	MP85113
CCV	CCV	30mL	MP85114
CCB	CCB	30mL	MP85115
CRI	CRI	30mL	MP85116
CHK STD	CHK STD	30mL	MP85117

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/2/25 @ 11:50	<i>[Signature]</i> <i>[Location]</i>	<i>[Signature]</i> <i>[Location]</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB167425BL	PBW425	30	30	<2	N/A	3-1
PB167425BS	LCS425	30	30	<2	MP85105	2
Q1666-01	TW-WTS-05	30	30	<2	N/A	3
Q1690-01	MW112010	30	30	<2	N/A	4
Q1690-01DUP	MW112010DUP	30	30	<2	N/A	5
Q1690-01MS	MW112010MS	30	30	<2	MP85105	6
Q1690-01MSD	MW112010MSD	30	30	<2	MP85105	7