

Hit Summary Sheet
SW-846

SDG No.: Q1355

Order ID: Q1355

Client: G Environmental

Project ID: Amsterdam

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : RW1								
Q1355-01	RW1	Water	Aluminum	605		28.3	50.0	ug/L
Q1355-01	RW1	Water	Antimony	3.88	J	2.06	25.0	ug/L
Q1355-01	RW1	Water	Arsenic	252		3.48	10.0	ug/L
Q1355-01	RW1	Water	Barium	333		6.28	50.0	ug/L
Q1355-01	RW1	Water	Beryllium	0.74	J	0.13	3.00	ug/L
Q1355-01	RW1	Water	Cadmium	2.01	J	0.094	3.00	ug/L
Q1355-01	RW1	Water	Calcium	100000		33.0	1000	ug/L
Q1355-01	RW1	Water	Chromium	41.8		0.66	5.00	ug/L
Q1355-01	RW1	Water	Cobalt	0.64	J	0.50	15.0	ug/L
Q1355-01	RW1	Water	Copper	38.9		7.07	10.0	ug/L
Q1355-01	RW1	Water	Iron	29600		18.5	50.0	ug/L
Q1355-01	RW1	Water	Lead	18.7		3.51	6.00	ug/L
Q1355-01	RW1	Water	Magnesium	12000		39.4	1000	ug/L
Q1355-01	RW1	Water	Manganese	333		1.46	10.0	ug/L
Q1355-01	RW1	Water	Mercury	2.57		0.081	0.20	ug/L
Q1355-01	RW1	Water	Nickel	6.90	J	0.85	20.0	ug/L
Q1355-01	RW1	Water	Potassium	16000		685	1000	ug/L
Q1355-01	RW1	Water	Sodium	81600		237	1000	ug/L
Q1355-01	RW1	Water	Vanadium	7.53	J	3.06	20.0	ug/L
Q1355-01	RW1	Water	Zinc	112		1.75	20.0	ug/L
Client ID : MW2								
Q1355-02	MW2	Water	Aluminum	39200		28.3	50.0	ug/L
Q1355-02	MW2	Water	Arsenic	42.0		3.48	10.0	ug/L
Q1355-02	MW2	Water	Barium	961		6.28	50.0	ug/L
Q1355-02	MW2	Water	Beryllium	2.83	J	0.13	3.00	ug/L
Q1355-02	MW2	Water	Cadmium	5.34		0.094	3.00	ug/L
Q1355-02	MW2	Water	Calcium	124000		33.0	1000	ug/L
Q1355-02	MW2	Water	Chromium	67.4		0.66	5.00	ug/L
Q1355-02	MW2	Water	Cobalt	43.0		0.50	15.0	ug/L
Q1355-02	MW2	Water	Copper	56.4		7.07	10.0	ug/L
Q1355-02	MW2	Water	Iron	60900		18.5	50.0	ug/L
Q1355-02	MW2	Water	Lead	70.1		3.51	6.00	ug/L
Q1355-02	MW2	Water	Magnesium	19900		39.4	1000	ug/L
Q1355-02	MW2	Water	Manganese	4380		1.46	10.0	ug/L
Q1355-02	MW2	Water	Mercury	0.81		0.081	0.20	ug/L
Q1355-02	MW2	Water	Nickel	60.1		0.85	20.0	ug/L
Q1355-02	MW2	Water	Potassium	16200		685	1000	ug/L

Hit Summary Sheet
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SDG No.: Q1355

Order ID: Q1355

Client: G Environmental

Project ID: Amsterdam

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1355-02	MW2	Water	Sodium	23800		237	1000	ug/L
Q1355-02	MW2	Water	Vanadium	114		3.06	20.0	ug/L
Q1355-02	MW2	Water	Zinc	211		1.75	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	02/11/25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	RW1	SDG No.:	Q1355
Lab Sample ID:	Q1355-01	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	605	N*	1	28.3	50.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-36-0	Antimony	3.88	J	1	2.06	25.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-38-2	Arsenic	252		1	3.48	10.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-39-3	Barium	333		1	6.28	50.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-41-7	Beryllium	0.74	J	1	0.13	3.00	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-43-9	Cadmium	2.01	J	1	0.094	3.00	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-70-2	Calcium	100000		1	33.0	1000	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-47-3	Chromium	41.8		1	0.66	5.00	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-48-4	Cobalt	0.64	J	1	0.50	15.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-50-8	Copper	38.9		1	7.07	10.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7439-89-6	Iron	29600	N	1	18.5	50.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7439-92-1	Lead	18.7		1	3.51	6.00	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7439-95-4	Magnesium	12000		1	39.4	1000	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7439-96-5	Manganese	333		1	1.46	10.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7439-97-6	Mercury	2.57		1	0.081	0.20	ug/L	02/12/25 12:25	02/12/25 15:31	SW7470A	
7440-02-0	Nickel	6.90	J	1	0.85	20.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-09-7	Potassium	16000		1	685	1000	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-23-5	Sodium	81600		1	237	1000	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-62-2	Vanadium	7.53	J	1	3.06	20.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010
7440-66-6	Zinc	112		1	1.75	20.0	ug/L	02/12/25 09:30	02/13/25 14:01	SW6010	SW3010

Color Before: Light yellow

Clarity Before: Clear

Texture:

Color After: Yellow

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

Report of Analysis

Client:	G Environmental	Date Collected:	02/11/25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	MW2	SDG No.:	Q1355
Lab Sample ID:	Q1355-02	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	39200	N*	1	28.3	50.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-38-2	Arsenic	42.0		1	3.48	10.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-39-3	Barium	961		1	6.28	50.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-41-7	Beryllium	2.83	J	1	0.13	3.00	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-43-9	Cadmium	5.34		1	0.094	3.00	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-70-2	Calcium	124000		1	33.0	1000	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-47-3	Chromium	67.4		1	0.66	5.00	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-48-4	Cobalt	43.0		1	0.50	15.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-50-8	Copper	56.4		1	7.07	10.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7439-89-6	Iron	60900	N	1	18.5	50.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7439-92-1	Lead	70.1		1	3.51	6.00	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7439-95-4	Magnesium	19900		1	39.4	1000	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7439-96-5	Manganese	4380		1	1.46	10.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7439-97-6	Mercury	0.81		1	0.081	0.20	ug/L	02/12/25 12:25	02/12/25 15:33	SW7470A	
7440-02-0	Nickel	60.1		1	0.85	20.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-09-7	Potassium	16200		1	685	1000	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-23-5	Sodium	23800		1	237	1000	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-62-2	Vanadium	114		1	3.06	20.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010
7440-66-6	Zinc	211		1	1.75	20.0	ug/L	02/12/25 09:30	02/13/25 14:06	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Clear	Texture:
Color After:	Yellow	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.:	Q1355				
Contract:	GENV01	Lab Code:	CHEM		Case No.:	Q1355	SAS No.:	Q1355		
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB02	Mercury	0.20	+/-0.20	U	0.20	CV	02/12/2025	14:06	LB134685	

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB63	Mercury	0.20	+/-0.20	U	0.20	CV	02/12/2025	14:14	LB134685
CCB64	Mercury	0.20	+/-0.20	U	0.20	CV	02/12/2025	14:46	LB134685
CCB65	Mercury	0.20	+/-0.20	U	0.20	CV	02/12/2025	15:22	LB134685
CCB66	Mercury	0.20	+/-0.20	U	0.20	CV	02/12/2025	15:52	LB134685

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

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	02/13/2025	12:50	LB134709
	Antimony	50.0	+/-50.0	U	50.0	P	02/13/2025	12:50	LB134709
	Arsenic	20.0	+/-20.0	U	20.0	P	02/13/2025	12:50	LB134709
	Barium	100	+/-100	U	100	P	02/13/2025	12:50	LB134709
	Beryllium	6.00	+/-6.00	U	6.00	P	02/13/2025	12:50	LB134709
	Cadmium	6.00	+/-6.00	U	6.00	P	02/13/2025	12:50	LB134709
	Calcium	2000	+/-2000	U	2000	P	02/13/2025	12:50	LB134709
	Chromium	10.0	+/-10.0	U	10.0	P	02/13/2025	12:50	LB134709
	Cobalt	30.0	+/-30.0	U	30.0	P	02/13/2025	12:50	LB134709
	Copper	20.0	+/-20.0	U	20.0	P	02/13/2025	12:50	LB134709
	Iron	100	+/-100	U	100	P	02/13/2025	12:50	LB134709
	Lead	12.0	+/-12.0	U	12.0	P	02/13/2025	12:50	LB134709
	Magnesium	2000	+/-2000	U	2000	P	02/13/2025	12:50	LB134709
	Manganese	20.0	+/-20.0	U	20.0	P	02/13/2025	12:50	LB134709
	Nickel	40.0	+/-40.0	U	40.0	P	02/13/2025	12:50	LB134709
	Potassium	2000	+/-2000	U	2000	P	02/13/2025	12:50	LB134709
	Selenium	20.0	+/-20.0	U	20.0	P	02/13/2025	12:50	LB134709
	Silver	10.0	+/-10.0	U	10.0	P	02/13/2025	12:50	LB134709
	Sodium	2000	+/-2000	U	2000	P	02/13/2025	12:50	LB134709
	Thallium	40.0	+/-40.0	U	40.0	P	02/13/2025	12:50	LB134709
	Vanadium	40.0	+/-40.0	U	40.0	P	02/13/2025	12:50	LB134709
	Zinc	40.0	+/-40.0	U	40.0	P	02/13/2025	12:50	LB134709

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental SDG No.: Q1355
Contract: GENV01 Lab Code: CHEM Case No.: Q1355 SAS No.: Q1355

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	02/13/2025	13:27	LB134709
	Antimony	50.0	+/-50.0	U	50.0	P	02/13/2025	13:27	LB134709
	Arsenic	20.0	+/-20.0	U	20.0	P	02/13/2025	13:27	LB134709
	Barium	100	+/-100	U	100	P	02/13/2025	13:27	LB134709
	Beryllium	6.00	+/-6.00	U	6.00	P	02/13/2025	13:27	LB134709
	Cadmium	6.00	+/-6.00	U	6.00	P	02/13/2025	13:27	LB134709
	Calcium	2000	+/-2000	U	2000	P	02/13/2025	13:27	LB134709
	Chromium	10.0	+/-10.0	U	10.0	P	02/13/2025	13:27	LB134709
	Cobalt	30.0	+/-30.0	U	30.0	P	02/13/2025	13:27	LB134709
	Copper	20.0	+/-20.0	U	20.0	P	02/13/2025	13:27	LB134709
	Iron	100	+/-100	U	100	P	02/13/2025	13:27	LB134709
	Lead	12.0	+/-12.0	U	12.0	P	02/13/2025	13:27	LB134709
	Magnesium	2000	+/-2000	U	2000	P	02/13/2025	13:27	LB134709
	Manganese	20.0	+/-20.0	U	20.0	P	02/13/2025	13:27	LB134709
	Nickel	40.0	+/-40.0	U	40.0	P	02/13/2025	13:27	LB134709
	Potassium	2000	+/-2000	U	2000	P	02/13/2025	13:27	LB134709
	Selenium	20.0	+/-20.0	U	20.0	P	02/13/2025	13:27	LB134709
	Silver	10.0	+/-10.0	U	10.0	P	02/13/2025	13:27	LB134709
	Sodium	2000	+/-2000	U	2000	P	02/13/2025	13:27	LB134709
	Thallium	40.0	+/-40.0	U	40.0	P	02/13/2025	13:27	LB134709
	Vanadium	40.0	+/-40.0	U	40.0	P	02/13/2025	13:27	LB134709
	Zinc	40.0	+/-40.0	U	40.0	P	02/13/2025	13:27	LB134709
CCB02	Aluminum	100	+/-100	U	100	P	02/13/2025	14:29	LB134709
	Antimony	50.0	+/-50.0	U	50.0	P	02/13/2025	14:29	LB134709
	Arsenic	20.0	+/-20.0	U	20.0	P	02/13/2025	14:29	LB134709
	Barium	100	+/-100	U	100	P	02/13/2025	14:29	LB134709
	Beryllium	6.00	+/-6.00	U	6.00	P	02/13/2025	14:29	LB134709
	Cadmium	6.00	+/-6.00	U	6.00	P	02/13/2025	14:29	LB134709
	Calcium	2000	+/-2000	U	2000	P	02/13/2025	14:29	LB134709
	Chromium	10.0	+/-10.0	U	10.0	P	02/13/2025	14:29	LB134709
	Cobalt	30.0	+/-30.0	U	30.0	P	02/13/2025	14:29	LB134709
	Copper	20.0	+/-20.0	U	20.0	P	02/13/2025	14:29	LB134709
	Iron	100	+/-100	U	100	P	02/13/2025	14:29	LB134709
	Lead	12.0	+/-12.0	U	12.0	P	02/13/2025	14:29	LB134709
	Magnesium	2000	+/-2000	U	2000	P	02/13/2025	14:29	LB134709
	Manganese	20.0	+/-20.0	U	20.0	P	02/13/2025	14:29	LB134709
	Nickel	40.0	+/-40.0	U	40.0	P	02/13/2025	14:29	LB134709
	Potassium	2000	+/-2000	U	2000	P	02/13/2025	14:29	LB134709
	Selenium	20.0	+/-20.0	U	20.0	P	02/13/2025	14:29	LB134709

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>G Environmental</u>		SDG No.: <u>Q1355</u>							
Contract: <u>GENV01</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1355</u>	SAS No.: <u>Q1355</u>						
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	02/13/2025	14:29	LB134709
	Sodium	2000	+/-2000	U	2000	P	02/13/2025	14:29	LB134709
	Thallium	40.0	+/-40.0	U	40.0	P	02/13/2025	14:29	LB134709
	Vanadium	40.0	+/-40.0	U	40.0	P	02/13/2025	14:29	LB134709
	Zinc	40.0	+/-40.0	U	40.0	P	02/13/2025	14:29	LB134709
CCB03	Aluminum	100	+/-100	U	100	P	02/13/2025	14:51	LB134709
	Antimony	50.0	+/-50.0	U	50.0	P	02/13/2025	14:51	LB134709
	Arsenic	20.0	+/-20.0	U	20.0	P	02/13/2025	14:51	LB134709
	Barium	100	+/-100	U	100	P	02/13/2025	14:51	LB134709
	Beryllium	6.00	+/-6.00	U	6.00	P	02/13/2025	14:51	LB134709
	Cadmium	6.00	+/-6.00	U	6.00	P	02/13/2025	14:51	LB134709
	Calcium	2000	+/-2000	U	2000	P	02/13/2025	14:51	LB134709
	Chromium	10.0	+/-10.0	U	10.0	P	02/13/2025	14:51	LB134709
	Cobalt	30.0	+/-30.0	U	30.0	P	02/13/2025	14:51	LB134709
	Copper	20.0	+/-20.0	U	20.0	P	02/13/2025	14:51	LB134709
	Iron	100	+/-100	U	100	P	02/13/2025	14:51	LB134709
	Lead	12.0	+/-12.0	U	12.0	P	02/13/2025	14:51	LB134709
	Magnesium	2000	+/-2000	U	2000	P	02/13/2025	14:51	LB134709
	Manganese	20.0	+/-20.0	U	20.0	P	02/13/2025	14:51	LB134709
	Nickel	40.0	+/-40.0	U	40.0	P	02/13/2025	14:51	LB134709
	Potassium	2000	+/-2000	U	2000	P	02/13/2025	14:51	LB134709
	Selenium	20.0	+/-20.0	U	20.0	P	02/13/2025	14:51	LB134709
	Silver	10.0	+/-10.0	U	10.0	P	02/13/2025	14:51	LB134709
	Sodium	2000	+/-2000	U	2000	P	02/13/2025	14:51	LB134709
	Thallium	40.0	+/-40.0	U	40.0	P	02/13/2025	14:51	LB134709
	Vanadium	40.0	+/-40.0	U	40.0	P	02/13/2025	14:51	LB134709
	Zinc	40.0	+/-40.0	U	40.0	P	02/13/2025	14:51	LB134709

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1355

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166706BL		WATER		Batch Number:	PB166706		Prep Date:	02/12/2025	
	Mercury	0.20	<0.20	U	0.20	CV	02/12/2025	15:02	LB134685

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1355

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166694BL	WATER			Batch Number:	PB166694		Prep Date:	02/12/2025	
	Aluminum	50.0	<50.0	U	50.0	P	02/13/2025	14:20	LB134709
	Antimony	25.0	<25.0	U	25.0	P	02/13/2025	14:20	LB134709
	Arsenic	10.0	<10.0	U	10.0	P	02/13/2025	14:20	LB134709
	Barium	50.0	<50.0	U	50.0	P	02/13/2025	14:20	LB134709
	Beryllium	3.00	<3.00	U	3.00	P	02/13/2025	14:20	LB134709
	Cadmium	3.00	<3.00	U	3.00	P	02/13/2025	14:20	LB134709
	Calcium	1000	<1000	U	1000	P	02/13/2025	14:20	LB134709
	Chromium	5.00	<5.00	U	5.00	P	02/13/2025	14:20	LB134709
	Cobalt	15.0	<15.0	U	15.0	P	02/13/2025	14:20	LB134709
	Copper	10.0	<10.0	U	10.0	P	02/13/2025	14:20	LB134709
	Iron	50.0	<50.0	U	50.0	P	02/13/2025	14:20	LB134709
	Lead	6.00	<6.00	U	6.00	P	02/13/2025	14:20	LB134709
	Magnesium	1000	<1000	U	1000	P	02/13/2025	14:20	LB134709
	Manganese	3.24	<10.0	J	10.0	P	02/13/2025	14:20	LB134709
	Nickel	20.0	<20.0	U	20.0	P	02/13/2025	14:20	LB134709
	Potassium	1000	<1000	U	1000	P	02/13/2025	14:20	LB134709
	Selenium	10.0	<10.0	U	10.0	P	02/13/2025	14:20	LB134709
	Silver	5.00	<5.00	U	5.00	P	02/13/2025	14:20	LB134709
	Sodium	1000	<1000	U	1000	P	02/13/2025	14:20	LB134709
	Thallium	20.0	<20.0	U	20.0	P	02/13/2025	14:20	LB134709
	Vanadium	20.0	<20.0	U	20.0	P	02/13/2025	14:20	LB134709
	Zinc	20.0	<20.0	U	20.0	P	02/13/2025	14:20	LB134709



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
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
ICV02	Mercury	3.65	4.0	91	90 - 110	CV	02/12/2025	14:04	LB134685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
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
CCV63	Mercury	4.96	5.0	99	90 - 110	CV	02/12/2025	14:11	LB134685
CCV64	Mercury	4.61	5.0	92	90 - 110	CV	02/12/2025	14:44	LB134685
CCV65	Mercury	5.24	5.0	105	90 - 110	CV	02/12/2025	15:19	LB134685
CCV66	Mercury	5.18	5.0	104	90 - 110	CV	02/12/2025	15:50	LB134685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1355

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355

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	2360	2500	94	90 - 110	P	02/13/2025	12:17	LB134709
	Antimony	993	1000	99	90 - 110	P	02/13/2025	12:17	LB134709
	Arsenic	957	1000	96	90 - 110	P	02/13/2025	12:17	LB134709
	Barium	556	520	107	90 - 110	P	02/13/2025	12:17	LB134709
	Beryllium	488	510	96	90 - 110	P	02/13/2025	12:17	LB134709
	Cadmium	488	510	96	90 - 110	P	02/13/2025	12:17	LB134709
	Calcium	9460	10000	95	90 - 110	P	02/13/2025	12:17	LB134709
	Chromium	525	520	101	90 - 110	P	02/13/2025	12:17	LB134709
	Cobalt	495	520	95	90 - 110	P	02/13/2025	12:17	LB134709
	Copper	513	510	100	90 - 110	P	02/13/2025	12:17	LB134709
	Iron	10000	10000	100	90 - 110	P	02/13/2025	12:17	LB134709
	Lead	963	1000	96	90 - 110	P	02/13/2025	12:17	LB134709
	Magnesium	5600	6000	93	90 - 110	P	02/13/2025	12:17	LB134709
	Manganese	485	520	93	90 - 110	P	02/13/2025	12:17	LB134709
	Nickel	498	530	94	90 - 110	P	02/13/2025	12:17	LB134709
	Potassium	9690	9900	98	90 - 110	P	02/13/2025	12:17	LB134709
	Selenium	999	1000	100	90 - 110	P	02/13/2025	12:17	LB134709
	Silver	246	250	98	90 - 110	P	02/13/2025	12:17	LB134709
	Sodium	9310	10000	93	90 - 110	P	02/13/2025	12:17	LB134709
	Thallium	1010	1000	101	90 - 110	P	02/13/2025	12:17	LB134709
	Vanadium	478	500	96	90 - 110	P	02/13/2025	12:17	LB134709
	Zinc	1010	1000	101	90 - 110	P	02/13/2025	12:17	LB134709

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
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	100	100	100	80 - 120	P	02/13/2025	12:22	LB134709
	Antimony	51.1	50.0	102	80 - 120	P	02/13/2025	12:22	LB134709
	Arsenic	20.8	20.0	104	80 - 120	P	02/13/2025	12:22	LB134709
	Barium	83.2	100	83	80 - 120	P	02/13/2025	12:22	LB134709
	Beryllium	5.65	6.0	94	80 - 120	P	02/13/2025	12:22	LB134709
	Cadmium	5.68	6.0	95	80 - 120	P	02/13/2025	12:22	LB134709
	Calcium	1890	2000	94	80 - 120	P	02/13/2025	12:22	LB134709
	Chromium	10.2	10.0	102	80 - 120	P	02/13/2025	12:22	LB134709
	Cobalt	29.0	30.0	97	80 - 120	P	02/13/2025	12:22	LB134709
	Copper	21.8	20.0	109	80 - 120	P	02/13/2025	12:22	LB134709
	Iron	96.6	100	97	80 - 120	P	02/13/2025	12:22	LB134709
	Lead	11.2	12.0	93	80 - 120	P	02/13/2025	12:22	LB134709
	Magnesium	2000	2000	100	80 - 120	P	02/13/2025	12:22	LB134709
	Manganese	18.4	20.0	92	80 - 120	P	02/13/2025	12:22	LB134709
	Nickel	39.4	40.0	98	80 - 120	P	02/13/2025	12:22	LB134709
	Potassium	1910	2000	95	80 - 120	P	02/13/2025	12:22	LB134709
	Selenium	22.0	20.0	110	80 - 120	P	02/13/2025	12:22	LB134709
	Silver	10.2	10.0	102	80 - 120	P	02/13/2025	12:22	LB134709
	Sodium	1680	2000	84	80 - 120	P	02/13/2025	12:22	LB134709
	Thallium	37.6	40.0	94	80 - 120	P	02/13/2025	12:22	LB134709
	Vanadium	38.3	40.0	96	80 - 120	P	02/13/2025	12:22	LB134709
	Zinc	42.3	40.0	106	80 - 120	P	02/13/2025	12:22	LB134709

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1355

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355

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	9450	10000	94	90 - 110	P	02/13/2025	13:23	LB134709
	Antimony	4820	5000	96	90 - 110	P	02/13/2025	13:23	LB134709
	Arsenic	4840	5000	97	90 - 110	P	02/13/2025	13:23	LB134709
	Barium	9350	10000	94	90 - 110	P	02/13/2025	13:23	LB134709
	Beryllium	237	250	95	90 - 110	P	02/13/2025	13:23	LB134709
	Cadmium	2400	2500	96	90 - 110	P	02/13/2025	13:23	LB134709
	Calcium	23400	25000	94	90 - 110	P	02/13/2025	13:23	LB134709
	Chromium	979	1000	98	90 - 110	P	02/13/2025	13:23	LB134709
	Cobalt	2390	2500	96	90 - 110	P	02/13/2025	13:23	LB134709
	Copper	1220	1250	98	90 - 110	P	02/13/2025	13:23	LB134709
	Iron	4820	5000	96	90 - 110	P	02/13/2025	13:23	LB134709
	Lead	4800	5000	96	90 - 110	P	02/13/2025	13:23	LB134709
	Magnesium	23400	25000	94	90 - 110	P	02/13/2025	13:23	LB134709
	Manganese	2330	2500	93	90 - 110	P	02/13/2025	13:23	LB134709
	Nickel	2400	2500	96	90 - 110	P	02/13/2025	13:23	LB134709
	Potassium	23900	25000	96	90 - 110	P	02/13/2025	13:23	LB134709
	Selenium	4850	5000	97	90 - 110	P	02/13/2025	13:23	LB134709
	Silver	1220	1250	97	90 - 110	P	02/13/2025	13:23	LB134709
	Sodium	23800	25000	95	90 - 110	P	02/13/2025	13:23	LB134709
	Thallium	4800	5000	96	90 - 110	P	02/13/2025	13:23	LB134709
	Vanadium	2360	2500	94	90 - 110	P	02/13/2025	13:23	LB134709
	Zinc	2430	2500	97	90 - 110	P	02/13/2025	13:23	LB134709
CCV02	Aluminum	9750	10000	98	90 - 110	P	02/13/2025	14:24	LB134709
	Antimony	4970	5000	100	90 - 110	P	02/13/2025	14:24	LB134709
	Arsenic	4930	5000	99	90 - 110	P	02/13/2025	14:24	LB134709
	Barium	9740	10000	97	90 - 110	P	02/13/2025	14:24	LB134709
	Beryllium	244	250	98	90 - 110	P	02/13/2025	14:24	LB134709
	Cadmium	2460	2500	98	90 - 110	P	02/13/2025	14:24	LB134709
	Calcium	24300	25000	97	90 - 110	P	02/13/2025	14:24	LB134709
	Chromium	1010	1000	101	90 - 110	P	02/13/2025	14:24	LB134709
	Cobalt	2460	2500	98	90 - 110	P	02/13/2025	14:24	LB134709
	Copper	1250	1250	100	90 - 110	P	02/13/2025	14:24	LB134709
	Iron	4980	5000	100	90 - 110	P	02/13/2025	14:24	LB134709
	Lead	4920	5000	98	90 - 110	P	02/13/2025	14:24	LB134709

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
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	24200	25000	97	90 - 110	P	02/13/2025	14:24	LB134709
	Manganese	2420	2500	97	90 - 110	P	02/13/2025	14:24	LB134709
	Nickel	2460	2500	99	90 - 110	P	02/13/2025	14:24	LB134709
	Potassium	25000	25000	100	90 - 110	P	02/13/2025	14:24	LB134709
	Selenium	4950	5000	99	90 - 110	P	02/13/2025	14:24	LB134709
	Silver	1260	1250	101	90 - 110	P	02/13/2025	14:24	LB134709
	Sodium	24500	25000	98	90 - 110	P	02/13/2025	14:24	LB134709
	Thallium	4960	5000	99	90 - 110	P	02/13/2025	14:24	LB134709
	Vanadium	2440	2500	98	90 - 110	P	02/13/2025	14:24	LB134709
	Zinc	2520	2500	101	90 - 110	P	02/13/2025	14:24	LB134709
CCV03	Aluminum	9760	10000	98	90 - 110	P	02/13/2025	14:47	LB134709
	Antimony	4940	5000	99	90 - 110	P	02/13/2025	14:47	LB134709
	Arsenic	4890	5000	98	90 - 110	P	02/13/2025	14:47	LB134709
	Barium	9670	10000	97	90 - 110	P	02/13/2025	14:47	LB134709
	Beryllium	239	250	96	90 - 110	P	02/13/2025	14:47	LB134709
	Cadmium	2420	2500	97	90 - 110	P	02/13/2025	14:47	LB134709
	Calcium	23900	25000	96	90 - 110	P	02/13/2025	14:47	LB134709
	Chromium	981	1000	98	90 - 110	P	02/13/2025	14:47	LB134709
	Cobalt	2420	2500	97	90 - 110	P	02/13/2025	14:47	LB134709
	Copper	1250	1250	100	90 - 110	P	02/13/2025	14:47	LB134709
	Iron	4930	5000	99	90 - 110	P	02/13/2025	14:47	LB134709
	Lead	4840	5000	97	90 - 110	P	02/13/2025	14:47	LB134709
	Magnesium	23600	25000	94	90 - 110	P	02/13/2025	14:47	LB134709
	Manganese	2380	2500	95	90 - 110	P	02/13/2025	14:47	LB134709
	Nickel	2420	2500	97	90 - 110	P	02/13/2025	14:47	LB134709
	Potassium	24900	25000	100	90 - 110	P	02/13/2025	14:47	LB134709
	Selenium	4910	5000	98	90 - 110	P	02/13/2025	14:47	LB134709
	Silver	1240	1250	99	90 - 110	P	02/13/2025	14:47	LB134709
	Sodium	24800	25000	99	90 - 110	P	02/13/2025	14:47	LB134709
	Thallium	4840	5000	97	90 - 110	P	02/13/2025	14:47	LB134709
	Vanadium	2410	2500	96	90 - 110	P	02/13/2025	14:47	LB134709
	Zinc	2430	2500	97	90 - 110	P	02/13/2025	14:47	LB134709



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: G Environmental SDG No.: Q1355
Contract: GENV01 Lab Code: CHEM Case No.: Q1355 SAS No.: Q1355
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	0.22	0.2	108	40 - 160	CV	02/12/2025	14:16	LB134685
CRI01	Aluminum	95.4	100	95	40 - 160	P	02/13/2025	12:54	LB134709
	Antimony	50.3	50.0	101	40 - 160	P	02/13/2025	12:54	LB134709
	Arsenic	21.2	20.0	106	40 - 160	P	02/13/2025	12:54	LB134709
	Barium	84.9	100	85	40 - 160	P	02/13/2025	12:54	LB134709
	Beryllium	5.67	6.0	94	40 - 160	P	02/13/2025	12:54	LB134709
	Cadmium	5.67	6.0	94	40 - 160	P	02/13/2025	12:54	LB134709
	Calcium	1890	2000	95	40 - 160	P	02/13/2025	12:54	LB134709
	Chromium	10.3	10.0	103	40 - 160	P	02/13/2025	12:54	LB134709
	Cobalt	28.7	30.0	96	40 - 160	P	02/13/2025	12:54	LB134709
	Copper	21.8	20.0	109	40 - 160	P	02/13/2025	12:54	LB134709
	Iron	96.7	100	97	40 - 160	P	02/13/2025	12:54	LB134709
	Lead	10.4	12.0	86	40 - 160	P	02/13/2025	12:54	LB134709
	Magnesium	2030	2000	102	40 - 160	P	02/13/2025	12:54	LB134709
	Manganese	18.3	20.0	92	40 - 160	P	02/13/2025	12:54	LB134709
	Nickel	38.5	40.0	96	40 - 160	P	02/13/2025	12:54	LB134709
	Potassium	2000	2000	100	40 - 160	P	02/13/2025	12:54	LB134709
	Selenium	21.0	20.0	105	40 - 160	P	02/13/2025	12:54	LB134709
	Silver	10.2	10.0	102	40 - 160	P	02/13/2025	12:54	LB134709
	Sodium	1740	2000	87	40 - 160	P	02/13/2025	12:54	LB134709
	Thallium	38.1	40.0	95	40 - 160	P	02/13/2025	12:54	LB134709
	Vanadium	37.1	40.0	93	40 - 160	P	02/13/2025	12:54	LB134709
	Zinc	42.0	40.0	105	40 - 160	P	02/13/2025	12:54	LB134709

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client:	G Environmental	SDG No.:	Q1355
Contract:	GENV01	Lab Code:	CHEM
ICS Source:	EPA	Case No.:	Q1355
		SAS No.:	Q1355
		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	239000	255000	94	216000	294000	02/13/2025	13:03	LB134709
	Antimony	0.47			-50	50	02/13/2025	13:03	LB134709
	Arsenic	4.70			-20	20	02/13/2025	13:03	LB134709
	Barium	0.98	6.0	16	-94	106	02/13/2025	13:03	LB134709
	Beryllium	3.33			-6	6	02/13/2025	13:03	LB134709
	Cadmium	-1.02	1.0	102	-5	7	02/13/2025	13:03	LB134709
	Calcium	227000	245000	93	208000	282000	02/13/2025	13:03	LB134709
	Chromium	59.8	52.0	115	42	62	02/13/2025	13:03	LB134709
	Cobalt	2.26			-30	30	02/13/2025	13:03	LB134709
	Copper	20.3	2.0	1015	-18	22	02/13/2025	13:03	LB134709
	Iron	103000	101000	102	85600	116500	02/13/2025	13:03	LB134709
	Lead	5.57			-12	12	02/13/2025	13:03	LB134709
	Magnesium	243000	255000	95	216000	294000	02/13/2025	13:03	LB134709
	Manganese	-4.94	7.0	71	-13	27	02/13/2025	13:03	LB134709
	Nickel	4.18	2.0	209	-38	42	02/13/2025	13:03	LB134709
	Potassium	45.5			0	0	02/13/2025	13:03	LB134709
	Selenium	-12.0			-20	20	02/13/2025	13:03	LB134709
	Silver	-2.24			-10	10	02/13/2025	13:03	LB134709
	Sodium	63.8			0	0	02/13/2025	13:03	LB134709
	Thallium	-4.95			-40	40	02/13/2025	13:03	LB134709
	Vanadium	3.77			-40	40	02/13/2025	13:03	LB134709
	Zinc	7.33			-40	40	02/13/2025	13:03	LB134709
ICSAB01	Aluminum	240000	247000	97	209000	285000	02/13/2025	13:19	LB134709
	Antimony	624	618	101	525	711	02/13/2025	13:19	LB134709
	Arsenic	105	104	101	88.4	120	02/13/2025	13:19	LB134709
	Barium	469	537	87	437	637	02/13/2025	13:19	LB134709
	Beryllium	489	495	99	420	570	02/13/2025	13:19	LB134709
	Cadmium	1010	972	104	826	1120	02/13/2025	13:19	LB134709
	Calcium	227000	235000	97	199000	271000	02/13/2025	13:19	LB134709
	Chromium	581	542	107	460	624	02/13/2025	13:19	LB134709
	Cobalt	510	476	107	404	548	02/13/2025	13:19	LB134709
	Copper	520	511	102	434	588	02/13/2025	13:19	LB134709
	Iron	102000	99300	103	84400	114500	02/13/2025	13:19	LB134709
	Lead	55.0	49.0	112	37	61	02/13/2025	13:19	LB134709
	Magnesium	244000	248000	98	210000	286000	02/13/2025	13:19	LB134709
	Manganese	459	507	90	430	584	02/13/2025	13:19	LB134709
	Nickel	1010	954	106	810	1100	02/13/2025	13:19	LB134709
	Potassium	56.7			0	0	02/13/2025	13:19	LB134709
	Selenium	30.7	46.0	67	26	66	02/13/2025	13:19	LB134709
	Silver	211	201	105	170	232	02/13/2025	13:19	LB134709
	Sodium	57.2			0	0	02/13/2025	13:19	LB134709
	Thallium	89.9	108	83	68	148	02/13/2025	13:19	LB134709

Metals

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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
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	Vanadium	474	491	96	417	565	02/13/2025	13:19	LB134709
	Zinc	1070	952	112	809	1095	02/13/2025	13:19	LB134709



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1355
contract: GENV01 **lab code:** CHEM **case no.:** Q1355 **sas no.:** Q1355
matrix: Water **sample id:** Q1348-01 **client id:** TWP-1-WCMS
Percent Solids for Sample: NA **Spiked ID:** Q1348-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	3330		2720		1000	61	N	P
Antimony	ug/L	75 - 125	373		25.0	U	400	93		P
Arsenic	ug/L	75 - 125	375		10.0	U	400	94		P
Barium	ug/L	75 - 125	159		70.1		100	89		P
Beryllium	ug/L	75 - 125	86.5		0.14	J	100	86		P
Cadmium	ug/L	75 - 125	92.2		0.34	J	100	92		P
Calcium	ug/L	75 - 125	65800		65400		500	90		P
Chromium	ug/L	75 - 125	199		8.37		200	95		P
Cobalt	ug/L	75 - 125	93.5		0.52	J	100	93		P
Copper	ug/L	75 - 125	143		10.0	U	150	95		P
Iron	ug/L	75 - 125	5060		4220		1500	56	N	P
Lead	ug/L	75 - 125	440		5.42	J	500	87		P
Magnesium	ug/L	75 - 125	11900		11100		1000	74		P
Manganese	ug/L	75 - 125	373		285		100	89		P
Nickel	ug/L	75 - 125	234		2.96	J	250	92		P
Potassium	ug/L	75 - 125	14900		10100		5000	95		P
Selenium	ug/L	75 - 125	903		10.0	U	1000	90		P
Silver	ug/L	75 - 125	29.1		5.00	U	37.5	78		P
Sodium	ug/L	75 - 125	148000		142000		1500	412		P
Thallium	ug/L	75 - 125	864		20.0	U	1000	86		P
Vanadium	ug/L	75 - 125	142		7.00	J	150	90		P
Zinc	ug/L	75 - 125	118		23.1		100	95		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1355
contract: GENV01 **lab code:** CHEM **case no.:** Q1355 **sas no.:** Q1355
matrix: Water **sample id:** Q1348-01 **client id:** TWP-1-WCMSD
Percent Solids for Sample: NA **Spiked ID:** Q1348-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	3660		2720		1000	94		P
Antimony	ug/L	75 - 125	377		25.0	U	400	94		P
Arsenic	ug/L	75 - 125	376		10.0	U	400	94		P
Barium	ug/L	75 - 125	158		70.1		100	88		P
Beryllium	ug/L	75 - 125	85.4		0.14	J	100	85		P
Cadmium	ug/L	75 - 125	92.2		0.34	J	100	92		P
Calcium	ug/L	75 - 125	65300		65400		500	-29		P
Chromium	ug/L	75 - 125	199		8.37		200	95		P
Cobalt	ug/L	75 - 125	93.8		0.52	J	100	93		P
Copper	ug/L	75 - 125	142		10.0	U	150	95		P
Iron	ug/L	75 - 125	5140		4220		1500	62	N	P
Lead	ug/L	75 - 125	441		5.42	J	500	87		P
Magnesium	ug/L	75 - 125	11800		11100		1000	69		P
Manganese	ug/L	75 - 125	368		285		100	83		P
Nickel	ug/L	75 - 125	234		2.96	J	250	93		P
Potassium	ug/L	75 - 125	15200		10100		5000	101		P
Selenium	ug/L	75 - 125	911		10.0	U	1000	91		P
Silver	ug/L	75 - 125	32.6		5.00	U	37.5	87		P
Sodium	ug/L	75 - 125	147000		142000		1500	357		P
Thallium	ug/L	75 - 125	861		20.0	U	1000	86		P
Vanadium	ug/L	75 - 125	142		7.00	J	150	90		P
Zinc	ug/L	75 - 125	118		23.1		100	95		P

metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1355
contract: GENV01 **lab code:** CHEM **case no.:** Q1355 **sas no.:** Q1355
matrix: Water **sample id:** Q1349-01 **client id:** TWP-1-PERMITMS
Percent Solids for Sample: NA **Spiked ID:** Q1349-01MS **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	4.24		0.77		4.0	87		CV

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1355
contract: GENV01 **lab code:** CHEM **case no.:** Q1355 **sas no.:** Q1355
matrix: Water **sample id:** Q1349-01 **client id:** TWP-1-PERMITMSD
Percent Solids for Sample: NA **Spiked ID:** Q1349-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.15		0.77		4.0	85		CV

Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
Matrix: Water **Level:** LOW **Client ID:** TWP-1-WCA
Sample ID: Q1348-01 **Spiked ID:** Q1348-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	3810		2720		10000	11		P
Iron	ug/L	75 - 125	5180		4220		1500	64		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
Matrix: Water **Sample ID:** Q1348-01 **Client ID:** TWP-1-WCDUP
Percent Solids for Sample: NA **Duplicate ID** Q1348-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	2720		3400		22	*	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	70.1		76.8		9		P
Beryllium	ug/L	20	0.14	J	0.16	J	15		P
Cadmium	ug/L	20	0.34	J	0.38	J	11		P
Calcium	ug/L	20	65400		67200		3		P
Chromium	ug/L	20	8.37		9.09		8		P
Cobalt	ug/L	20	0.52	J	0.54	J	3		P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	4220		4430		5		P
Lead	ug/L	20	5.42	J	5.65	J	4		P
Magnesium	ug/L	20	11100		11500		4		P
Manganese	ug/L	20	285		295		3		P
Nickel	ug/L	20	2.96	J	3.20	J	8		P
Potassium	ug/L	20	10100		10500		4		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	142000		153000		7		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	7.00	J	9.28	J	28		P
Zinc	ug/L	20	23.1		23.8		3		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
Matrix: Water **Sample ID:** Q1348-01MS **Client ID:** TWP-1-WCMSD
Percent Solids for Sample: NA **Duplicate ID** Q1348-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	3330		3660		9		P
Antimony	ug/L	20	373		377		1		P
Arsenic	ug/L	20	375		376		0		P
Barium	ug/L	20	159		158		1		P
Beryllium	ug/L	20	86.5		85.4		1		P
Cadmium	ug/L	20	92.2		92.2		0		P
Calcium	ug/L	20	65800		65300		1		P
Chromium	ug/L	20	199		199		0		P
Cobalt	ug/L	20	93.5		93.8		0		P
Copper	ug/L	20	143		142		1		P
Iron	ug/L	20	5060		5140		2		P
Lead	ug/L	20	440		441		0		P
Magnesium	ug/L	20	11900		11800		1		P
Manganese	ug/L	20	373		368		1		P
Nickel	ug/L	20	234		234		0		P
Potassium	ug/L	20	14900		15200		2		P
Selenium	ug/L	20	903		911		1		P
Silver	ug/L	20	29.1		32.6		11		P
Sodium	ug/L	20	148000		147000		1		P
Thallium	ug/L	20	864		861		0		P
Vanadium	ug/L	20	142		142		0		P
Zinc	ug/L	20	118		118		0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
Matrix: Water **Sample ID:** Q1349-01 **Client ID:** TWP-1-PERMITDUP
Percent Solids for Sample: NA **Duplicate ID** Q1349-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.77		0.85		11		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355
Matrix: Water **Sample ID:** Q1349-01MS **Client ID:** TWP-1-PERMITMSD
Percent Solids for Sample: NA **Duplicate ID** Q1349-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.24		4.15		2		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166694BS							
Aluminum	ug/L	1000	888		89	80 - 120	P
Antimony	ug/L	400	369		92	80 - 120	P
Arsenic	ug/L	400	353		88	80 - 120	P
Barium	ug/L	100	81.3		81	80 - 120	P
Beryllium	ug/L	100	83.2		83	80 - 120	P
Cadmium	ug/L	100	85.7		86	80 - 120	P
Calcium	ug/L	500	462	J	92	80 - 120	P
Chromium	ug/L	200	195		98	80 - 120	P
Cobalt	ug/L	100	90.0		90	80 - 120	P
Copper	ug/L	150	143		95	80 - 120	P
Iron	ug/L	1500	1380		92	80 - 120	P
Lead	ug/L	500	425		85	80 - 120	P
Magnesium	ug/L	1000	870	J	87	80 - 120	P
Manganese	ug/L	100	88.1		88	80 - 120	P
Nickel	ug/L	250	224		90	80 - 120	P
Potassium	ug/L	5000	4530		91	80 - 120	P
Selenium	ug/L	1000	854		85	80 - 120	P
Silver	ug/L	37.5	34.9		93	80 - 120	P
Sodium	ug/L	1500	1230		82	80 - 120	P
Thallium	ug/L	1000	869		87	80 - 120	P
Vanadium	ug/L	150	133		89	80 - 120	P
Zinc	ug/L	100	93.5		94	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166706BS Mercury	ug/L	4.0	3.87		97	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TWP-1-WCL

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM **Lb No.:** lb134709 **Lab Sample ID :** Q1348-01L **SDG No.:** Q1355

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
		C		C			
Aluminum	2720		3910		44		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	70.1		72.8	J	4		P
Beryllium	0.14	J	15.0	U	100.0		P
Cadmium	0.34	J	0.47	J	38		P
Calcium	65400		68300		4		P
Chromium	8.37		11.3	J	35		P
Cobalt	0.52	J	75.0	U	100.0		P
Copper	10.0	U	50.0	U			P
Iron	4220		4500		7		P
Lead	5.42	J	30.0	U	100.0		P
Magnesium	11100		11800		6		P
Manganese	285		302		6		P
Nickel	2.96	J	100	U	100.0		P
Potassium	10100		9890		2		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	142000		145000		2		P
Thallium	20.0	U	100	U			P
Vanadium	7.00	J	100	U	100.0		P
Zinc	23.1		23.9	J	4		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TWP-1-PERMITL

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM

Lb No.: lb134685

Lab Sample ID : Q1349-01L

SDG No.: Q1355

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	0.77	1.02	33		CV

metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1355 **Sas no.:** Q1355 **Sdg no.:** Q1355

Instrument id number: **Method:** **Run number:** LB134685

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

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1350	HG
S0.2	S0.2	1	1352	HG
S2.5	S2.5	1	1354	HG
S5	S5	1	1356	HG
S7.5	S7.5	1	1359	HG
S10	S10	1	1401	HG
ICV02	ICV02	1	1404	HG
ICB02	ICB02	1	1406	HG
CCV63	CCV63	1	1411	HG
CCB63	CCB63	1	1414	HG
CRA	CRA	1	1416	HG
CCV64	CCV64	1	1444	HG
CCB64	CCB64	1	1446	HG
PB166706BL	PB166706BL	1	1502	HG
PB166706BS	PB166706BS	1	1507	HG
CCV65	CCV65	1	1519	HG
CCB65	CCB65	1	1522	HG
Q1349-01DUP	TWP-1-PERMITDUP	1	1524	HG
Q1349-01MS	TWP-1-PERMITMS	1	1526	HG
Q1349-01MSD	TWP-1-PERMITMSD	1	1529	HG
Q1355-01	RW1	1	1531	HG
Q1355-02	MW2	1	1533	HG
Q1349-01L	TWP-1-PERMITL	5	1545	HG
CCV66	CCV66	1	1550	HG
CCB66	CCB66	1	1552	HG

metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1355 **Sas no.:** Q1355 **Sdg no.:** Q1355

Instrument id number: **Method:** **Run number:** LB134709

Start date: 02/13/2025 **End date:** 02/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1140	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	1144	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	1149	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	1153	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	1157	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	1201	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	1217	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	1222	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	1250	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	1254	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	1303	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	1319	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	1323	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	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1348-01DUP	TWP-1-WCDUP	1	1336	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1348-01L	TWP-1-WCL	5	1340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1348-01MS	TWP-1-WCMS	1	1344	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1348-01MSD	TWP-1-WCMSD	1	1349	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1348-01A	TWP-1-WCA	1	1353	Al,Fe
Q1355-01	RW1	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1355-02	MW2	1	1406	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166694BL	PB166694BL	1	1420	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	1424	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	1429	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166694BS	PB166694BS	1	1433	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	1447	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	1451	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.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

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.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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 INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

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.: Q1355

Contract: GENV01

Lab Code: CHEM

Case No.: Q1355

SAS No.: Q1355

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: Q1355	OrderDate: 2/11/2025 1:38:32 PM
Client: G Environmental	Project: Amsterdam
Contact: Gary Landis	Location: N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1355-01	RW1	Water			02/11/25			02/11/25
			Mercury	7470A		02/12/25	02/12/25	
			Metals ICP-TAL	6010D		02/12/25	02/13/25	
Q1355-02	MW2	Water			02/11/25			02/11/25
			Mercury	7470A		02/12/25	02/12/25	
			Metals ICP-TAL	6010D		02/12/25	02/13/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1355
Contract: GENV01 **Lab Code:** CHEM **Method:**
Case No.: Q1355 **SAS No.:** Q1355

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166694							
PB166694BL	PB166694BL	MB	WATER	02/12/2025	50.0	25.0	
PB166694BS	PB166694BS	LCS	WATER	02/12/2025	50.0	25.0	
Q1348-01DUP	TWP-1-WCDUP	DUP	WATER	02/12/2025	50.0	25.0	
Q1348-01MS	TWP-1-WCMS	MS	WATER	02/12/2025	50.0	25.0	
Q1348-01MSD	TWP-1-WCMSD	MSD	WATER	02/12/2025	50.0	25.0	
Q1355-01	RW1	SAM	WATER	02/12/2025	50.0	25.0	
Q1355-02	MW2	SAM	WATER	02/12/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q1355</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1355</u>
		SAS No.:	<u>Q1355</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166706							
PB166706BL	PB166706BL	MB	WATER	02/12/2025	30.0	30.0	
PB166706BS	PB166706BS	LCS	WATER	02/12/2025	30.0	30.0	
Q1349-01DUP	TWP-1-PERMITDUP	DUP	WATER	02/12/2025	30.0	30.0	
Q1349-01MS	TWP-1-PERMITMS	MS	WATER	02/12/2025	30.0	30.0	
Q1349-01MSD	TWP-1-PERMITMSD	MSD	WATER	02/12/2025	30.0	30.0	
Q1355-01	RW1	SAM	WATER	02/12/2025	30.0	30.0	
Q1355-02	MW2	SAM	WATER	02/12/2025	30.0	30.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134685

Review By	Mohan	Review On	2/18/2025 11:51:12 AM
Supervise By	kareem	Supervise On	2/18/2025 11:53:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP84450,MP84452,MP84453,MP84454,MP84456,MP84457
ICV Standard	MP84458
CCV Standard	MP84460
ICSA Standard	
CRI Standard	MP84462
LCS Standard	
Chk Standard	MP84459,MP84461,MP84463,MP84490

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/12/25 13:50		Mohan	OK
2	S0.2	S0.2	CAL2	02/12/25 13:52		Mohan	OK
3	S2.5	S2.5	CAL3	02/12/25 13:54		Mohan	OK
4	S5	S5	CAL4	02/12/25 13:56		Mohan	OK
5	S7.5	S7.5	CAL5	02/12/25 13:59		Mohan	OK
6	S10	S10	CAL6	02/12/25 14:01		Mohan	OK
7	ICV02	ICV02	ICV	02/12/25 14:04		Mohan	OK
8	ICB02	ICB02	ICB	02/12/25 14:06		Mohan	OK
9	CCV63	CCV63	CCV	02/12/25 14:11		Mohan	OK
10	CCB63	CCB63	CCB	02/12/25 14:14		Mohan	OK
11	CRA	CRA	CRDL	02/12/25 14:16		Mohan	OK
12	HighStd	HighStd	HIGH STD	02/12/25 14:18		Mohan	OK
13	ChkStd	ChkStd	SAM	02/12/25 14:20		Mohan	OK
14	PB166705BL	PB166705BL	MB	02/12/25 14:26		Mohan	OK
15	PB166705BS	PB166705BS	LCS	02/12/25 14:28		Mohan	OK
16	Q1343-04	WC-9	SAM	02/12/25 14:30		Mohan	OK
17	Q1343-08	WC-10	SAM	02/12/25 14:32		Mohan	OK
18	Q1343-12	WC-7	SAM	02/12/25 14:35		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134685

Review By	Mohan	Review On	2/18/2025 11:51:12 AM
Supervise By	kareem	Supervise On	2/18/2025 11:53:42 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84450,MP84452,MP84453,MP84454,MP84456,MP84457		
ICV Standard	MP84458		
CCV Standard	MP84460		
ICSA Standard			
CRI Standard	MP84462		
LCS Standard			
Chk Standard	MP84459,MP84461,MP84463,MP84490		

19	Q1343-16	WC-13	SAM	02/12/25 14:37		Mohan	OK
20	Q1343-20	WC-14	SAM	02/12/25 14:39		Mohan	OK
21	CCV64	CCV64	CCV	02/12/25 14:44		Mohan	OK
22	CCB64	CCB64	CCB	02/12/25 14:46		Mohan	OK
23	Q1344-02	SOIL-1	SAM	02/12/25 14:49		Mohan	OK
24	Q1344-04	SOIL-2	SAM	02/12/25 14:51		Mohan	OK
25	Q1346-02	SOIL-COMP	SAM	02/12/25 14:53		Mohan	OK
26	Q1346-02DUP	SOIL-COMPDUP	DUP	02/12/25 14:55		Mohan	OK
27	Q1346-02MS	SOIL-COMPMS	MS	02/12/25 14:58		Mohan	OK
28	Q1346-02MSD	SOIL-COMPMSD	MSD	02/12/25 15:00		Mohan	OK
29	PB166706BL	PB166706BL	MB	02/12/25 15:02		Mohan	OK
30	PB166706BS	PB166706BS	LCS	02/12/25 15:07		Mohan	OK
31	Q1348-01	TWP-1-WC	SAM	02/12/25 15:10		Mohan	OK
32	Q1349-01	TWP-1-PERMIT	SAM	02/12/25 15:12		Mohan	OK
33	CCV65	CCV65	CCV	02/12/25 15:19		Mohan	OK
34	CCB65	CCB65	CCB	02/12/25 15:22		Mohan	OK
35	Q1349-01DUP	TWP-1-PERMITDUP	DUP	02/12/25 15:24		Mohan	OK
36	Q1349-01MS	TWP-1-PERMITMS	MS	02/12/25 15:26		Mohan	OK
37	Q1349-01MSD	TWP-1-PERMITMSD	MSD	02/12/25 15:29		Mohan	OK
38	Q1355-01	RW1	SAM	02/12/25 15:31		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134685

Review By	Mohan	Review On	2/18/2025 11:51:12 AM
Supervise By	kareem	Supervise On	2/18/2025 11:53:42 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84450,MP84452,MP84453,MP84454,MP84456,MP84457		
ICV Standard	MP84458		
CCV Standard	MP84460		
ICSA Standard			
CRI Standard	MP84462		
LCS Standard			
Chk Standard	MP84459,MP84461,MP84463,MP84490		

39	Q1355-02	MW2	SAM	02/12/25 15:33		Mohan	OK
40	PB166651TB	PB166651TB	MB	02/12/25 15:35		Mohan	OK
41	Q1346-02L	SOIL-COMPL	SD	02/12/25 15:38		Mohan	OK
42	Q1346-02A	SOIL-COMPA	PS	02/12/25 15:40		Mohan	OK
43	Q1349-01L	TWP-1-PERMITL	SD	02/12/25 15:45		Mohan	OK
44	Q1349-01A	TWP-1-PERMITA	PS	02/12/25 15:48		Mohan	OK
45	CCV66	CCV66	CCV	02/12/25 15:50		Mohan	OK
46	CCB66	CCB66	CCB	02/12/25 15:52		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134709

Review By	kareem	Review On	2/14/2025 7:58:53 PM
Supervise By	JANVI	Supervise On	2/18/2025 12:11:21 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228		
ICV Standard	MP84446		
CCV Standard	MP84232		
ICSA Standard	MP84230,MP84231		
CRI Standard	MP84228		
LCS Standard	MP84387		
Chk Standard	MP84218,MP84219		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/13/25 11:40		Kareem	OK
2	S1	S1	CAL2	02/13/25 11:44		Kareem	OK
3	S2	S2	CAL3	02/13/25 11:49		Kareem	OK
4	S3	S3	CAL4	02/13/25 11:53		Kareem	OK
5	S4	S4	CAL5	02/13/25 11:57		Kareem	OK
6	S5	S5	CAL6	02/13/25 12:01		Kareem	OK
7	ICV01	ICV01	ICV	02/13/25 12:17		Kareem	OK
8	LLICV01	LLICV01	LLICV	02/13/25 12:22		Kareem	OK
9	ICB01	ICB01	ICB	02/13/25 12:50		Kareem	OK
10	CRI01	CRI01	CRDL	02/13/25 12:54		Kareem	OK
11	ICSA01	ICSA01	ICSA	02/13/25 13:03		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	02/13/25 13:19		Kareem	OK
13	CCV01	CCV01	CCV	02/13/25 13:23		Kareem	OK
14	CCB01	CCB01	CCB	02/13/25 13:27		Kareem	OK
15	Q1348-01	TWP-1-WC	SAM	02/13/25 13:31		Kareem	OK
16	Q1348-01DUP	TWP-1-WCDUP	DUP	02/13/25 13:36		Kareem	OK
17	Q1348-01L	TWP-1-WCL	SD	02/13/25 13:40		Kareem	OK
18	Q1348-01MS	TWP-1-WCMS	MS	02/13/25 13:44	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134709

Review By	kareem	Review On	2/14/2025 7:58:53 PM
Supervise By	JANVI	Supervise On	2/18/2025 12:11:21 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228		
ICV Standard	MP84446		
CCV Standard	MP84232		
ICSA Standard	MP84230,MP84231		
CRI Standard	MP84228		
LCS Standard	MP84387		
Chk Standard	MP84218,MP84219		

19	Q1348-01MSD	TWP-1-WCMSD	MSD	02/13/25 13:49	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
20	Q1348-01A	TWP-1-WCA	PS	02/13/25 13:53	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
21	Q1349-01	TWP-1-PERMIT	SAM	02/13/25 13:57		Kareem	OK
22	Q1355-01	RW1	SAM	02/13/25 14:01		Kareem	OK
23	Q1355-02	MW2	SAM	02/13/25 14:06		Kareem	OK
24	PB166694BL	PB166694BL	MB	02/13/25 14:20		Kareem	OK
25	CCV02	CCV02	CCV	02/13/25 14:24		Kareem	OK
26	CCB02	CCB02	CCB	02/13/25 14:29		Kareem	OK
27	PB166694BS	PB166694BS	LCS	02/13/25 14:33	0.1 ML M6001 AND M6010 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
28	LR1	LR1	HIGH STD	02/13/25 14:38		Kareem	OK
29	LR2	LR2	HIGH STD	02/13/25 14:43		Kareem	OK
30	CCV03	CCV03	CCV	02/13/25 14:47		Kareem	OK
31	CCB03	CCB03	CCB	02/13/25 14:51		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: 02/12/2025 Time : 09:30 Temp : 96 °C

End Digest Date: 02/12/2025 Time : 12:40 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. # 1

Dig Technician Signature: SKS

Supervisor Signature: MS

Temp : 1. 96°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6002
LFS-2	0.25	M6011
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	M6126
1:1 HCL	5.00	MP84297
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#1CELL #55 Temp: 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/12/25 13:40	SKS. met. dig.	MS metal lab
	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
PB166694BL	PBW694	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB166694BS	LCS694	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	2
Q1348-01MS	TWP-1-WCMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	5
Q1348-01MSD	TWP-1-WCMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	6
Q1348-01DUP	TWP-1-WCDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1348-01	TWP-1-WC	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q1349-01	TWP-1-PERMIT	<2	50	25	Gray	Yellow	Clear	Clear	N/A	7
Q1355-01	RW1	<2	50	25	Light yellow	Yellow	Clear	Clear	N/A	8
Q1355-02	MW2	<2	50	25	Brown	Yellow	Clear	Clear	N/A	9

SOP ID : M7470A-Mercury-19

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: 02/12/2025 Time : 12:25 Temp : 94 °C

End Digest Date: 02/12/2025 Time : 14:25 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84458
CCV	30mL	MP84460
CRA	30mL	MP84462
Blank Spike	0.48mL	MP84449
Matrix Spike	0.48mL	MP84449

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP83691
KMnO4 (5%)	4.5mL	MP83692
K2S2O8 (5%)	2.5mL	MP83693
Hydroxylamine HCL (12%)	2.0mL	MP83694
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84450
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84452
2.5 ppb	S2.5	30mL	MP84453
5.0 ppb	S5.0	30mL	MP84454
7.5 ppb	S7.5	30mL	MP84456
10.0 ppb	S10.0	30mL	MP84457
ICV	ICV	30mL	MP84458
ICB	ICB	30mL	MP84459
CCV	CCV	30mL	MP84460
CCB	CCB	30mL	MP84461
CRI	CRI	30mL	MP84462
CHK STD	CHK STD	30mL	MP84463

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/12/25 @ 14:40	MS - Dig, Lab	MS - Distal Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB166706BL	PBW706	30	30	<2	N/A	3-19
PB166706BS	LCS706	30	30	<2	MP84449	20
Q1348-01	TWP-1-WC	30	30	<2	N/A	21
Q1349-01	TWP-1-PERMIT	30	30	<2	N/A	22
Q1349-01DUP	TWP-1-PERMITDUP	30	30	<2	N/A	23
Q1349-01MS	TWP-1-PERMITMS	30	30	<2	MP84449	24
Q1349-01MSD	TWP-1-PERMITMSD	30	30	<2	MP84449	25
Q1355-01	RW1	30	30	<2	N/A	26
Q1355-02	MW2	30	30	<2	N/A	27