



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1447
Client: G Environmental

Order ID: Q1447
Project ID: Nelson

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q1447-02	WC1	TCLP	Barium	2370		62.8	500	ug/L
Q1447-02	WC1	TCLP	Cadmium	7.03	J	0.94	30.0	ug/L
Q1447-02	WC1	TCLP	Lead	373		35.1	60.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7440-39-3	Barium	2370	N*	1	62.8	500	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7440-43-9	Cadmium	7.03	J	1	0.94	30.0	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7439-92-1	Lead	373	*	1	35.1	60.0	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	02/27/25 13:15	02/28/25 11:10	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP METALS			

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



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

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	G Environmental				SDG No.:	Q1447				
Contract:	GENV01		Lab Code:	CHEM		Case No.:	Q1447		SAS No.:	Q1447
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB22	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	10:40	LB134848	

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1447

Contract: GENV01

Lab Code: CHEM

Case No.: Q1447

SAS No.: Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB35	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	10:47	LB134848
CCB36	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	11:18	LB134848
CCB37	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	11:48	LB134848
CCB38	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	12:09	LB134848

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	19:25	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	19:25	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	19:25	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	19:25	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	19:25	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	19:25	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/03/2025	19:25	LB134881

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1447							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1447	SAS No.: Q1447						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	20:01	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	20:01	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	20:01	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	20:01	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	20:01	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	20:01	LB134881
	Silver	2.51	+/-10.0	J	10.0	P	03/03/2025	20:01	LB134881
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	21:16	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	21:16	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	21:16	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	21:16	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	21:16	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	21:16	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/03/2025	21:16	LB134881
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	22:24	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	22:24	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	22:24	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	22:24	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	22:24	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	22:24	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/03/2025	22:24	LB134881
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	23:11	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	23:11	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	23:11	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	23:11	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	23:11	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	23:11	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/03/2025	23:11	LB134881
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/04/2025	00:08	LB134881
	Barium	100	+/-100	U	100	P	03/04/2025	00:08	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/04/2025	00:08	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/04/2025	00:08	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/04/2025	00:08	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/04/2025	00:08	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/04/2025	00:08	LB134881

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	10:56	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	10:56	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	10:56	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	10:56	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	10:56	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	10:56	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	10:56	LB134904

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1447							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1447	SAS No.: Q1447						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	11:17	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	11:17	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	11:17	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	11:17	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	11:17	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	11:17	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	11:17	LB134904
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	11:59	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	11:59	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	11:59	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	11:59	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	11:59	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	11:59	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	11:59	LB134904
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	12:49	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	12:49	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	12:49	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	12:49	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	12:49	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	12:49	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	12:49	LB134904
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	14:11	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	14:11	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	14:11	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	14:11	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	14:11	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	14:11	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	14:11	LB134904

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1447

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166879TB		WATER		Batch Number:	PB166936		Prep Date:	02/27/2025	
	Mercury	2.00	<2.00	U	2.00	CV	02/28/2025	11:53	LB134848
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166936BL		WATER		Batch Number:	PB166936		Prep Date:	02/27/2025	
	Mercury	0.20	<0.20	U	0.20	CV	02/28/2025	10:56	LB134848

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1447

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166879TB		WATER		Batch Number:	PB166897		Prep Date:	02/27/2025	
	Arsenic	100	<100	U	100	P	03/03/2025	20:55	LB134881
	Barium	500	<500	U	500	P	03/03/2025	20:55	LB134881
	Cadmium	30.0	<30.0	U	30.0	P	03/03/2025	20:55	LB134881
	Chromium	50.0	<50.0	U	50.0	P	03/03/2025	20:55	LB134881
	Lead	60.0	<60.0	U	60.0	P	03/03/2025	20:55	LB134881
	Selenium	100	<100	U	100	P	03/03/2025	20:55	LB134881
	Silver	50.0	<50.0	U	50.0	P	03/03/2025	20:55	LB134881
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166897BL		WATER		Batch Number:	PB166897		Prep Date:	02/27/2025	
	Arsenic	100	<100	U	100	P	03/05/2025	13:21	LB134904
	Barium	500	<500	U	500	P	03/05/2025	13:21	LB134904
	Cadmium	30.0	<30.0	U	30.0	P	03/05/2025	13:21	LB134904
	Chromium	50.0	<50.0	U	50.0	P	03/05/2025	13:21	LB134904
	Lead	60.0	<60.0	U	60.0	P	03/05/2025	13:21	LB134904
	Selenium	100	<100	U	100	P	03/05/2025	13:21	LB134904
	Silver	50.0	<50.0	U	50.0	P	03/05/2025	13:21	LB134904



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
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
ICV22	Mercury	3.98	4.0	100	90 - 110	CV	02/28/2025	10:35	LB134848

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
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
CCV35	Mercury	5.39	5.0	108	90 - 110	CV	02/28/2025	10:42	LB134848
CCV36	Mercury	4.77	5.0	96	90 - 110	CV	02/28/2025	11:16	LB134848
CCV37	Mercury	4.74	5.0	95	90 - 110	CV	02/28/2025	11:43	LB134848
CCV38	Mercury	4.61	5.0	92	90 - 110	CV	02/28/2025	12:06	LB134848

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
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	Arsenic	997	1000	100	90 - 110	P	03/03/2025	19:17	LB134881
	Barium	528	520	102	90 - 110	P	03/03/2025	19:17	LB134881
	Cadmium	494	510	97	90 - 110	P	03/03/2025	19:17	LB134881
	Chromium	510	520	98	90 - 110	P	03/03/2025	19:17	LB134881
	Lead	988	1000	99	90 - 110	P	03/03/2025	19:17	LB134881
	Selenium	994	1000	99	90 - 110	P	03/03/2025	19:17	LB134881
	Silver	247	250	99	90 - 110	P	03/03/2025	19:17	LB134881

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
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	Arsenic	21.2	20.0	106	80 - 120	P	03/03/2025	19:21	LB134881
	Barium	90.9	100	91	80 - 120	P	03/03/2025	19:21	LB134881
	Cadmium	5.82	6.0	97	80 - 120	P	03/03/2025	19:21	LB134881
	Chromium	9.59	10.0	96	80 - 120	P	03/03/2025	19:21	LB134881
	Lead	11.6	12.0	97	80 - 120	P	03/03/2025	19:21	LB134881
	Selenium	19.7	20.0	99	80 - 120	P	03/03/2025	19:21	LB134881
	Silver	9.46	10.0	95	80 - 120	P	03/03/2025	19:21	LB134881

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	Arsenic	5180	5000	104	90 - 110	P	03/03/2025	19:57	LB134881
	Barium	9570	10000	96	90 - 110	P	03/03/2025	19:57	LB134881
	Cadmium	2380	2500	95	90 - 110	P	03/03/2025	19:57	LB134881
	Chromium	957	1000	96	90 - 110	P	03/03/2025	19:57	LB134881
	Lead	4770	5000	95	90 - 110	P	03/03/2025	19:57	LB134881
	Selenium	5250	5000	105	90 - 110	P	03/03/2025	19:57	LB134881
	Silver	1190	1250	95	90 - 110	P	03/03/2025	19:57	LB134881
CCV02	Arsenic	5330	5000	107	90 - 110	P	03/03/2025	21:12	LB134881
	Barium	10300	10000	103	90 - 110	P	03/03/2025	21:12	LB134881
	Cadmium	2640	2500	105	90 - 110	P	03/03/2025	21:12	LB134881
	Chromium	1050	1000	105	90 - 110	P	03/03/2025	21:12	LB134881
	Lead	5300	5000	106	90 - 110	P	03/03/2025	21:12	LB134881
	Selenium	5360	5000	107	90 - 110	P	03/03/2025	21:12	LB134881
	Silver	1300	1250	104	90 - 110	P	03/03/2025	21:12	LB134881
CCV03	Arsenic	5140	5000	103	90 - 110	P	03/03/2025	22:02	LB134881
	Barium	10100	10000	101	90 - 110	P	03/03/2025	22:02	LB134881
	Cadmium	2540	2500	102	90 - 110	P	03/03/2025	22:02	LB134881
	Chromium	1020	1000	102	90 - 110	P	03/03/2025	22:02	LB134881
	Lead	5080	5000	102	90 - 110	P	03/03/2025	22:02	LB134881
	Selenium	5180	5000	104	90 - 110	P	03/03/2025	22:02	LB134881
	Silver	1280	1250	102	90 - 110	P	03/03/2025	22:02	LB134881
CCV04	Arsenic	5000	5000	100	90 - 110	P	03/03/2025	23:07	LB134881
	Barium	9860	10000	99	90 - 110	P	03/03/2025	23:07	LB134881
	Cadmium	2480	2500	99	90 - 110	P	03/03/2025	23:07	LB134881
	Chromium	985	1000	98	90 - 110	P	03/03/2025	23:07	LB134881
	Lead	4950	5000	99	90 - 110	P	03/03/2025	23:07	LB134881
	Selenium	5010	5000	100	90 - 110	P	03/03/2025	23:07	LB134881
	Silver	1230	1250	98	90 - 110	P	03/03/2025	23:07	LB134881
CCV05	Arsenic	4870	5000	97	90 - 110	P	03/04/2025	00:03	LB134881
	Barium	9750	10000	98	90 - 110	P	03/04/2025	00:03	LB134881
	Cadmium	2430	2500	97	90 - 110	P	03/04/2025	00:03	LB134881
	Chromium	973	1000	97	90 - 110	P	03/04/2025	00:03	LB134881
	Lead	4850	5000	97	90 - 110	P	03/04/2025	00:03	LB134881
	Selenium	4890	5000	98	90 - 110	P	03/04/2025	00:03	LB134881

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
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	Silver	1210	1250	97	90 - 110	P	03/04/2025	00:03	LB134881



- 2a -

Client:	<u>G Environmental</u>	SDG No.:	<u>Q1447</u>	
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>	Case No.: <u>Q1447</u> SAS No.: <u>Q1447</u>
Initial Calibration Source:	<u>EPA</u>			
Continuing Calibration Source:	Inorganic Ventures			

Sample ID	Analyte	Result	True Value	%	Acceptance	M	Analysis Date	Analysis Time	Run Number
		ug/L		Recovery	Window (%R)				
ICV01	Arsenic	1040	1000	104	90 - 110	P	03/05/2025	10:43	LB134904
	Barium	493	520	95	90 - 110	P	03/05/2025	10:43	LB134904
	Cadmium	508	510	100	90 - 110	P	03/05/2025	10:43	LB134904
	Chromium	534	520	103	90 - 110	P	03/05/2025	10:43	LB134904
	Lead	1020	1000	102	90 - 110	P	03/05/2025	10:43	LB134904
	Selenium	1040	1000	104	90 - 110	P	03/05/2025	10:43	LB134904
	Silver	258	250	103	90 - 110	P	03/05/2025	10:43	LB134904

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
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	Arsenic	19.0	20.0	95	80 - 120	P	03/05/2025	10:51	LB134904
	Barium	92.3	100	92	80 - 120	P	03/05/2025	10:51	LB134904
	Cadmium	5.96	6.0	99	80 - 120	P	03/05/2025	10:51	LB134904
	Chromium	10.7	10.0	107	80 - 120	P	03/05/2025	10:51	LB134904
	Lead	11.9	12.0	99	80 - 120	P	03/05/2025	10:51	LB134904
	Selenium	20.8	20.0	104	80 - 120	P	03/05/2025	10:51	LB134904
	Silver	10.7	10.0	107	80 - 120	P	03/05/2025	10:51	LB134904

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1447
Contract: GENV01 Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447
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	Arsenic	5100	5000	102	90 - 110	P	03/05/2025	11:13	LB134904
	Barium	9750	10000	98	90 - 110	P	03/05/2025	11:13	LB134904
	Cadmium	2480	2500	99	90 - 110	P	03/05/2025	11:13	LB134904
	Chromium	1030	1000	104	90 - 110	P	03/05/2025	11:13	LB134904
	Lead	5000	5000	100	90 - 110	P	03/05/2025	11:13	LB134904
	Selenium	5150	5000	103	90 - 110	P	03/05/2025	11:13	LB134904
	Silver	1280	1250	102	90 - 110	P	03/05/2025	11:13	LB134904
CCV02	Arsenic	5190	5000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Barium	9730	10000	97	90 - 110	P	03/05/2025	11:55	LB134904
	Cadmium	2500	2500	100	90 - 110	P	03/05/2025	11:55	LB134904
	Chromium	1040	1000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Lead	5050	5000	101	90 - 110	P	03/05/2025	11:55	LB134904
	Selenium	5210	5000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Silver	1300	1250	104	90 - 110	P	03/05/2025	11:55	LB134904
CCV03	Arsenic	5020	5000	100	90 - 110	P	03/05/2025	12:45	LB134904
	Barium	10000	10000	100	90 - 110	P	03/05/2025	12:45	LB134904
	Cadmium	2450	2500	98	90 - 110	P	03/05/2025	12:45	LB134904
	Chromium	1020	1000	102	90 - 110	P	03/05/2025	12:45	LB134904
	Lead	4940	5000	99	90 - 110	P	03/05/2025	12:45	LB134904
	Selenium	5040	5000	101	90 - 110	P	03/05/2025	12:45	LB134904
	Silver	1280	1250	102	90 - 110	P	03/05/2025	12:45	LB134904
CCV04	Arsenic	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Barium	10200	10000	102	90 - 110	P	03/05/2025	14:07	LB134904
	Cadmium	2490	2500	100	90 - 110	P	03/05/2025	14:07	LB134904
	Chromium	1020	1000	102	90 - 110	P	03/05/2025	14:07	LB134904
	Lead	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Selenium	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Silver	1270	1250	102	90 - 110	P	03/05/2025	14:07	LB134904



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Fax : 908 789 8922

Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
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	0.19	0.2	96	40 - 160	CV	02/28/2025	10:49	LB134848
CRI01	Arsenic	18.7	20.0	94	40 - 160	P	03/03/2025	19:30	LB134881
	Barium	87.6	100	88	40 - 160	P	03/03/2025	19:30	LB134881
	Cadmium	5.64	6.0	94	40 - 160	P	03/03/2025	19:30	LB134881
	Chromium	9.59	10.0	96	40 - 160	P	03/03/2025	19:30	LB134881
	Lead	11.5	12.0	96	40 - 160	P	03/03/2025	19:30	LB134881
	Selenium	18.0	20.0	90	40 - 160	P	03/03/2025	19:30	LB134881
	Silver	9.81	10.0	98	40 - 160	P	03/03/2025	19:30	LB134881
CRI01	Arsenic	20.2	20.0	101	40 - 160	P	03/05/2025	11:00	LB134904
	Barium	91.8	100	92	40 - 160	P	03/05/2025	11:00	LB134904
	Cadmium	5.85	6.0	98	40 - 160	P	03/05/2025	11:00	LB134904
	Chromium	10.5	10.0	105	40 - 160	P	03/05/2025	11:00	LB134904
	Lead	12.3	12.0	103	40 - 160	P	03/05/2025	11:00	LB134904
	Selenium	18.9	20.0	95	40 - 160	P	03/05/2025	11:00	LB134904
	Silver	10.5	10.0	105	40 - 160	P	03/05/2025	11:00	LB134904

Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	1.51			-20	20	03/03/2025	19:34	LB134881
	Barium	6.31	6.0	105	-94	106	03/03/2025	19:34	LB134881
	Cadmium	-2.67	1.0	267	-5	7	03/03/2025	19:34	LB134881
	Chromium	54.7	52.0	105	42	62	03/03/2025	19:34	LB134881
	Lead	2.16			-12	12	03/03/2025	19:34	LB134881
	Selenium	-6.38			-20	20	03/03/2025	19:34	LB134881
	Silver	1.77			-10	10	03/03/2025	19:34	LB134881
ICSAB01	Arsenic	109	104	105	88.4	120	03/03/2025	19:38	LB134881
	Barium	460	537	86	437	637	03/03/2025	19:38	LB134881
	Cadmium	972	972	100	826	1120	03/03/2025	19:38	LB134881
	Chromium	534	542	98	460	624	03/03/2025	19:38	LB134881
	Lead	50.3	49.0	103	37	61	03/03/2025	19:38	LB134881
	Selenium	39.0	46.0	85	26	66	03/03/2025	19:38	LB134881
	Silver	206	201	102	170	232	03/03/2025	19:38	LB134881
ICSA01	Arsenic	4.69			-20	20	03/05/2025	11:04	LB134904
	Barium	3.05	6.0	51	-94	106	03/05/2025	11:04	LB134904
	Cadmium	-3.85	1.0	385	-5	7	03/05/2025	11:04	LB134904
	Chromium	60.3	52.0	116	42	62	03/05/2025	11:04	LB134904
	Lead	3.18			-12	12	03/05/2025	11:04	LB134904
	Selenium	-15.4			-20	20	03/05/2025	11:04	LB134904
	Silver	-1.85			-10	10	03/05/2025	11:04	LB134904
ICSAB01	Arsenic	115	104	111	88.4	120	03/05/2025	11:09	LB134904
	Barium	478	537	89	437	637	03/05/2025	11:09	LB134904
	Cadmium	1000	972	103	826	1120	03/05/2025	11:09	LB134904
	Chromium	583	542	108	460	624	03/05/2025	11:09	LB134904
	Lead	54.9	49.0	112	37	61	03/05/2025	11:09	LB134904
	Selenium	32.0	46.0	70	26	66	03/05/2025	11:09	LB134904
	Silver	224	201	111	170	232	03/05/2025	11:09	LB134904



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q1447</u>
contract: <u>GENV01</u>	lab code: <u>CHEM</u>	case no.: <u>Q1447</u> sas no.: <u>Q1447</u>
matrix: <u>Water</u>	sample id: <u>Q1447-02</u>	client id: <u>WC1MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q1447-02MS</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
Arsenic	ug/L	75 - 125	4760		100	U	4000	119		P
Barium	ug/L	75 - 125	4090		2370		1000	172	N	P
Cadmium	ug/L	75 - 125	1150		7.03	J	1000	114		P
Chromium	ug/L	75 - 125	2330		50.0	U	2000	116		P
Lead	ug/L	75 - 125	5990		373		5000	112		P
Mercury	ug/L	75 - 125	37.3		2.00	U	40.0	93		CV
Selenium	ug/L	75 - 125	11400		100	U	10000	114		P
Silver	ug/L	75 - 125	427		50.0	U	380	112		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q1447</u>
contract: <u>GENV01</u>	lab code: <u>CHEM</u>	case no.: <u>Q1447</u> sas no.: <u>Q1447</u>
matrix: <u>Water</u>	sample id: <u>Q1447-02</u>	client id: <u>WC1MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q1447-02MSD</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
Arsenic	ug/L	75 - 125	4470		100	U	4000	112		P
Barium	ug/L	75 - 125	3790		2370		1000	142	N	P
Cadmium	ug/L	75 - 125	1080		7.03	J	1000	107		P
Chromium	ug/L	75 - 125	2170		50.0	U	2000	108		P
Lead	ug/L	75 - 125	5630		373		5000	105		P
Mercury	ug/L	75 - 125	36.9		2.00	U	40.0	92		CV
Selenium	ug/L	75 - 125	10700		100	U	10000	107		P
Silver	ug/L	75 - 125	397		50.0	U	380	104		P

Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
Matrix: Water **Level:** LOW **Client ID:** WC1A
Sample ID: Q1447-02 **Spiked ID:** Q1447-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	75 - 125	3780		2370		1000	141		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
Matrix: Water **Sample ID:** Q1447-02 **Client ID:** WC1DUP
Percent Solids for Sample: NA **Duplicate ID** Q1447-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	2370		3120		27	*	P
Cadmium	ug/L	20	7.03	J	9.21	J	27		P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	373		501		29	*	P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447
Matrix: Water **Sample ID:** Q1447-02MS **Client ID:** WC1MSD
Percent Solids for Sample: NA **Duplicate ID** Q1447-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4760		4470		6		P
Barium	ug/L	20	4090		3790		8		P
Cadmium	ug/L	20	1150		1080		6		P
Chromium	ug/L	20	2330		2170		7		P
Lead	ug/L	20	5990		5630		6		P
Mercury	ug/L	20	37.3		36.9		1		CV
Selenium	ug/L	20	11400		10700		6		P
Silver	ug/L	20	427		397		7		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1447
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166897BS							
Arsenic	ug/L	4000	3960		99	80 - 120	P
Barium	ug/L	1000	877		88	80 - 120	P
Cadmium	ug/L	1000	931		93	80 - 120	P
Chromium	ug/L	2000	2010		100	80 - 120	P
Lead	ug/L	5000	4730		95	80 - 120	P
Selenium	ug/L	10000	9740		97	80 - 120	P
Silver	ug/L	380	377		99	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q1447

Contract: GENV01

Lab Code: CHEM

Case No.: Q1447

SAS No.: Q1447

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166936BS Mercury	ug/L	4.0	4.09		102	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

WC1L

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM **Lb No.:** lb134881 **Lab Sample ID :** Q1447-02L **SDG No.:** Q1447

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			
Arsenic	100	U	500	U			P
Barium	2370		3260		37		P
Cadmium	7.03	J	11.0	J	57		P
Chromium	50.0	U	250	U			P
Lead	373		539		45		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

metals
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ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: CHEM **Case no.:** Q1447 **Sas no.:** Q1447

Sdg no.: Q1447

Instrument id number: **Method:**

Run number: LB134848

Start date: 02/28/2025 **End date:** 02/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1021	HG
S0.2	S0.2	1	1023	HG
S2.5	S2.5	1	1025	HG
S5	S5	1	1028	HG
S7.5	S7.5	1	1030	HG
S10	S10	1	1032	HG
ICV22	ICV22	1	1035	HG
ICB22	ICB22	1	1040	HG
CCV35	CCV35	1	1042	HG
CCB35	CCB35	1	1047	HG
CRA	CRA	1	1049	HG
PB166936BL	PB166936BL	1	1056	HG
PB166936BS	PB166936BS	1	1058	HG
Q1447-02	WC1	1	1110	HG
CCV36	CCV36	1	1116	HG
CCB36	CCB36	1	1118	HG
Q1447-02DUP	WC1DUP	1	1121	HG
Q1447-02MS	WC1MS	1	1123	HG
Q1447-02MSD	WC1MSD	1	1125	HG
CCV37	CCV37	1	1143	HG
CCB37	CCB37	1	1148	HG
PB166879TB	PB166879TB	1	1153	HG
Q1447-02L	WC1L	5	1155	HG
CCV38	CCV38	1	1206	HG
CCB38	CCB38	1	1209	HG

metals
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ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: CHEM **Case no.:** Q1447 **Sas no.:** Q1447

Sdg no.: Q1447

Instrument id number: **Method:**

Run number: LB134881

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

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1826	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1831	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1835	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1839	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1843	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1847	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1917	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1921	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1925	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1930	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1934	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1938	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1957	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	2001	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02	WC1	1	2027	Ag,As,Ba,Cd,Cr,Pb,Se
PB166879TB	PB166879TB	1	2055	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	2112	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	2116	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	2202	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	2224	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02DUP	WC1DUP	1	2245	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02L	WC1L	5	2250	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02MS	WC1MS	1	2254	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02MSD	WC1MSD	1	2258	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02A	WC1A	1	2302	Ba
CCV04	CCV04	1	2307	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	2311	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	0003	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	0008	Ag,As,Ba,Cd,Cr,Pb,Se

metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1447 **Sas no.:** Q1447 **Sdg no.:** Q1447

Instrument id number: **Method:** **Run number:** LB134904

Start date: 03/05/2025 **End date:** 03/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1017	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1022	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1026	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1030	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1034	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1039	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1043	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1051	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1056	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1100	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1104	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1109	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1113	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1117	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1155	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1159	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1245	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1249	Ag,As,Ba,Cd,Cr,Pb,Se
PB166897BL	PB166897BL	1	1321	Ag,As,Ba,Cd,Cr,Pb,Se
PB166897BS	PB166897BS	1	1359	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1407	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1411	Ag,As,Ba,Cd,Cr,Pb,Se



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1447

Contract: GENV01

Lab Code: CHEM

Case No.: Q1447

SAS No.: Q1447

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1447

Contract: GENV01

Lab Code: CHEM

Case No.: Q1447

SAS No.: Q1447

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1447

Contract: GENV01

Lab Code: CHEM

Case No.: Q1447

SAS No.: Q1447

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1447

Contract: GENV01

Lab Code: CHEM

Case No.: Q1447

SAS No.: Q1447

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1447

Contract: GENV01

Lab Code: CHEM

Case No.: Q1447

SAS No.: Q1447

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
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
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	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

LAB CHRONICLE

OrderID:	Q1447	OrderDate:	2/26/2025 2:32:53 PM
Client:	G Environmental	Project:	Nelson
Contact:	Gary Landis	Location:	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	WC1	SOIL	Mercury	7471B	02/23/25	02/27/25	02/27/25	02/26/25
			Metals ICP-TAL	6010D		02/27/25	03/05/25	
Q1447-02	WC1	TCLP	TCLP ICP Metals	6010D	02/23/25	02/27/25	03/03/25	02/26/25
			TCLP Mercury	7470A		02/27/25	02/28/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q1447</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1447</u>
		SAS No.:	<u>Q1447</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166897							
PB166879TB	PB166879TB	MB	WATER	02/27/2025	5.0	25.0	
PB166897BL	PB166897BL	MB	WATER	02/27/2025	5.0	25.0	
PB166897BS	PB166897BS	LCS	WATER	02/27/2025	5.0	25.0	
Q1447-02	WC1	SAM	WATER	02/27/2025	5.0	25.0	
Q1447-02DUP	WC1DUP	DUP	WATER	02/27/2025	5.0	25.0	
Q1447-02MS	WC1MS	MS	WATER	02/27/2025	5.0	25.0	
Q1447-02MSD	WC1MSD	MSD	WATER	02/27/2025	5.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q1447</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1447</u>
		SAS No.:	<u>Q1447</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166936							
PB166879TB	PB166879TB	MB	WATER	02/27/2025	3.0	30.0	
PB166936BL	PB166936BL	MB	WATER	02/27/2025	30.0	30.0	
PB166936BS	PB166936BS	LCS	WATER	02/27/2025	30.0	30.0	
Q1447-02	WC1	SAM	WATER	02/27/2025	3.0	30.0	
Q1447-02DUP	WC1DUP	DUP	WATER	02/27/2025	3.0	30.0	
Q1447-02MS	WC1MS	MS	WATER	02/27/2025	3.0	30.0	
Q1447-02MSD	WC1MSD	MSD	WATER	02/27/2025	3.0	30.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134848

Review By	Mohan	Review On	3/4/2025 8:33:37 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:54 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84665,MP84666,MP84667,MP84668,MP84669,MP84670		
ICV Standard	MP84671		
CCV Standard	MP84673		
ICSA Standard			
CRI Standard	MP84675		
LCS Standard			
Chk Standard	MP84672,MP84674,MP84676,MP84691		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/28/25 10:21		Mohan	OK
2	S0.2	S0.2	CAL2	02/28/25 10:23		Mohan	OK
3	S2.5	S2.5	CAL3	02/28/25 10:25		Mohan	OK
4	S5	S5	CAL4	02/28/25 10:28		Mohan	OK
5	S7.5	S7.5	CAL5	02/28/25 10:30		Mohan	OK
6	S10	S10	CAL6	02/28/25 10:32		Mohan	OK
7	ICV22	ICV22	ICV	02/28/25 10:35		Mohan	OK
8	ICB22	ICB22	ICB	02/28/25 10:40		Mohan	OK
9	CCV35	CCV35	CCV	02/28/25 10:42		Mohan	OK
10	CCB35	CCB35	CCB	02/28/25 10:47		Mohan	OK
11	CRA	CRA	CRDL	02/28/25 10:49		Mohan	OK
12	HighStd	HighStd	HIGH STD	02/28/25 10:52		Mohan	OK
13	ChkStd	ChkStd	SAM	02/28/25 10:54		Mohan	OK
14	PB166936BL	PB166936BL	MB	02/28/25 10:56		Mohan	OK
15	PB166936BS	PB166936BS	LCS	02/28/25 10:58		Mohan	OK
16	Q1427-02	VNJ-227	SAM	02/28/25 11:01		Mohan	OK
17	Q1442-01	280	SAM	02/28/25 11:03		Mohan	OK
18	Q1442-02	281	SAM	02/28/25 11:05		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134848

Review By	Mohan	Review On	3/4/2025 8:33:37 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:54 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84665,MP84666,MP84667,MP84668,MP84669,MP84670		
ICV Standard	MP84671		
CCV Standard	MP84673		
ICSA Standard			
CRI Standard	MP84675		
LCS Standard			
Chk Standard	MP84672,MP84674,MP84676,MP84691		

19	Q1443-01	3733	SAM	02/28/25 11:08		Mohan	OK
20	Q1447-02	WC1	SAM	02/28/25 11:10		Mohan	OK
21	CCV36	CCV36	CCV	02/28/25 11:16		Mohan	OK
22	CCB36	CCB36	CCB	02/28/25 11:18		Mohan	OK
23	Q1447-02DUP	WC1DUP	DUP	02/28/25 11:21		Mohan	OK
24	Q1447-02MS	WC1MS	MS	02/28/25 11:23		Mohan	OK
25	Q1447-02MSD	WC1MSD	MSD	02/28/25 11:25		Mohan	OK
26	PB166937BL	PB166937BL	MB	02/28/25 11:27		Mohan	OK
27	PB166937BS	PB166937BS	LCS	02/28/25 11:30		Mohan	OK
28	Q1435-01	286107	SAM	02/28/25 11:32		Mohan	OK
29	Q1439-02	LRSA-MOD	SAM	02/28/25 11:34		Mohan	OK
30	Q1439-02DUP	LRSA-MODDUP	DUP	02/28/25 11:37		Mohan	OK
31	Q1439-02MS	LRSA-MODMS	MS	02/28/25 11:39		Mohan	OK
32	Q1439-02MSD	LRSA-MODMSD	MSD	02/28/25 11:41		Mohan	OK
33	CCV37	CCV37	CCV	02/28/25 11:43		Mohan	OK
34	CCB37	CCB37	CCB	02/28/25 11:48		Mohan	OK
35	Q1442-05	278	SAM	02/28/25 11:51		Mohan	OK
36	PB166879TB	PB166879TB	MB	02/28/25 11:53		Mohan	OK
37	Q1447-02L	WC1L	SD	02/28/25 11:55		Mohan	OK
38	Q1447-02A	WC1A	PS	02/28/25 11:57		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134848

Review By	Mohan	Review On	3/4/2025 8:33:37 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:54 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84665,MP84666,MP84667,MP84668,MP84669,MP84670		
ICV Standard	MP84671		
CCV Standard	MP84673		
ICSA Standard			
CRI Standard	MP84675		
LCS Standard			
Chk Standard	MP84672,MP84674,MP84676,MP84691		

39	Q1439-02L	LRSA-MODL	SD	02/28/25 12:00		Mohan	OK
40	Q1439-02A	LRSA-MODA	PS	02/28/25 12:02		Mohan	OK
41	CCV38	CCV38	CCV	02/28/25 12:06		Mohan	OK
42	CCB38	CCB38	CCB	02/28/25 12:09		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134881

Review By	kareem	Review On	3/4/2025 12:24:05 PM
Supervise By	Mohan	Supervise On	3/5/2025 4:17:58 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/03/25 18:26		Kareem	OK
2	S1	S1	CAL2	03/03/25 18:31		Kareem	OK
3	S2	S2	CAL3	03/03/25 18:35		Kareem	OK
4	S3	S3	CAL4	03/03/25 18:39		Kareem	OK
5	S4	S4	CAL5	03/03/25 18:43		Kareem	OK
6	S5	S5	CAL6	03/03/25 18:47		Kareem	OK
7	ICV01	ICV01	ICV	03/03/25 19:17	ICV Fail for K,Na (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/03/25 19:21		Kareem	OK
9	ICB01	ICB01	ICB	03/03/25 19:25		Kareem	OK
10	CRI01	CRI01	CRDL	03/03/25 19:30		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/03/25 19:34		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/03/25 19:38		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/03/25 19:42		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/03/25 19:46		Kareem	OK
15	CCV01	CCV01	CCV	03/03/25 19:57		Kareem	OK
16	CCB01	CCB01	CCB	03/03/25 20:01		Kareem	OK
17	Q1420-04	TP-1-WC	SAM	03/03/25 20:05		Kareem	OK
18	Q1420-08	TP-2-WC	SAM	03/03/25 20:09		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134881

Review By	kareem	Review On	3/4/2025 12:24:05 PM
Supervise By	Mohan	Supervise On	3/5/2025 4:17:58 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

19	Q1442-01	280	SAM	03/03/25 20:14		Kareem	OK
20	Q1442-02	281	SAM	03/03/25 20:18		Kareem	OK
21	Q1443-01	3733	SAM	03/03/25 20:23		Kareem	OK
22	Q1447-02	WC1	SAM	03/03/25 20:27		Kareem	OK
23	PB166879TB	PB166879TB	MB	03/03/25 20:55		Kareem	OK
24	CCV02	CCV02	CCV	03/03/25 21:12		Kareem	OK
25	CCB02	CCB02	CCB	03/03/25 21:16		Kareem	OK
26	Q1457-01	HR-0-02272025	SAM	03/03/25 21:21		Kareem	OK
27	Q1420-01	TP-1-WC	SAM	03/03/25 21:25		Kareem	OK
28	Q1420-05	TP-2-WC	SAM	03/03/25 21:29		Kareem	OK
29	Q1457-01DUP	HR-0-02272025DUP	DUP	03/03/25 21:33		Kareem	OK
30	Q1457-01L	HR-0-02272025L	SD	03/03/25 21:37		Kareem	OK
31	Q1457-01MS	HR-0-02272025MS	MS	03/03/25 21:41	0.1 ML M6003 AND M6011	Kareem	OK
32	LR1	LR1	HIGH STD	03/03/25 21:45		Kareem	OK
33	LR2	LR2	HIGH STD	03/03/25 21:50		Kareem	OK
34	Q1457-01MSD	HR-0-02272025MSD	MSD	03/03/25 21:55	0.1 ML M6003 AND M6011	Kareem	OK
35	Q1457-01A	HR-0-02272025A	PS	03/03/25 21:59	0.1 ML M6003 AND M6011	Kareem	OK
36	CCV03	CCV03	CCV	03/03/25 22:02		Kareem	OK
37	CCB03	CCB03	CCB	03/03/25 22:24		Kareem	OK
38	Q1439-01	LRSA-MOD	SAM	03/03/25 22:28		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134881

Review By	kareem	Review On	3/4/2025 12:24:05 PM
Supervise By	Mohan	Supervise On	3/5/2025 4:17:58 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

39	Q1439-02	LRSA-MOD	SAM	03/03/25 22:33		Kareem	OK
40	Q1440-01	OR-02-022625	SAM	03/03/25 22:37		Kareem	OK
41	Q1441-01	HD-02-022625	SAM	03/03/25 22:41		Kareem	OK
42	Q1447-02DUP	WC1DUP	DUP	03/03/25 22:45		Kareem	OK
43	Q1447-02L	WC1L	SD	03/03/25 22:50		Kareem	OK
44	Q1447-02MS	WC1MS	MS	03/03/25 22:54	0.1 ML M6003 AND M6011	Kareem	OK
45	Q1447-02MSD	WC1MSD	MSD	03/03/25 22:58	0.1 ML M6003 AND M6011	Kareem	OK
46	Q1447-02A	WC1A	PS	03/03/25 23:02	0.1 ML M6003 AND M6011	Kareem	OK
47	CCV04	CCV04	CCV	03/03/25 23:07		Kareem	OK
48	CCB04	CCB04	CCB	03/03/25 23:11		Kareem	OK
49	Q1439-02DUP	LRSA-MODDUP	DUP	03/03/25 23:15		Kareem	OK
50	Q1439-02L	LRSA-MODL	SD	03/03/25 23:20		Kareem	OK
51	Q1439-02MS	LRSA-MODMS	MS	03/03/25 23:24	0.1 ML M6003 AND M6011	Kareem	OK
52	Q1439-02MSD	LRSA-MODMSD	MSD	03/03/25 23:28	0.1 ML M6003 AND M6011	Kareem	OK
53	Q1439-02A	LRSA-MODA	PS	03/03/25 23:32	0.1 ML M6003 AND M6011	Kareem	OK
54	PB166904BL	PB166904BL	MB	03/03/25 23:42		Kareem	OK
55	PB166904BS	PB166904BS	LCS	03/03/25 23:46	0.1 ML M6003 AND M6011	Kareem	OK
56	PB166926BL	PB166926BL	MB	03/03/25 23:55		Kareem	OK
57	PB166926BS	PB166926BS	LCS	03/03/25 23:59	0.1 ML M6003 AND M6011	Kareem	OK
58	CCV05	CCV05	CCV	03/04/25 00:03		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134881

Review By	kareem	Review On	3/4/2025 12:24:05 PM
Supervise By	Mohan	Supervise On	3/5/2025 4:17:58 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

59	CCB05	CCB05	CCB	03/04/25 00:08		Kareem	OK
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Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84640		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/05/25 10:17		Kareem	OK
2	S1	S1	CAL2	03/05/25 10:22		Kareem	OK
3	S2	S2	CAL3	03/05/25 10:26		Kareem	OK
4	S3	S3	CAL4	03/05/25 10:30		Kareem	OK
5	S4	S4	CAL5	03/05/25 10:34		Kareem	OK
6	S5	S5	CAL6	03/05/25 10:39		Kareem	OK
7	ICV01	ICV01	ICV	03/05/25 10:43		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/05/25 10:51		Kareem	OK
9	ICB01	ICB01	ICB	03/05/25 10:56		Kareem	OK
10	CRI01	CRI01	CRDL	03/05/25 11:00		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/05/25 11:04		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/05/25 11:09		Kareem	OK
13	CCV01	CCV01	CCV	03/05/25 11:13		Kareem	OK
14	CCB01	CCB01	CCB	03/05/25 11:17		Kareem	OK
15	Q1447-01	WC1	SAM	03/05/25 11:21		Kareem	OK
16	Q1474-01	BU-03-02282025	SAM	03/05/25 11:26		Kareem	OK
17	Q1480-01	TP-1	SAM	03/05/25 11:30		Kareem	OK
18	Q1480-09	TP-2	SAM	03/05/25 11:34		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84640		
LCS Standard			
Chk Standard	MP84649,MP84650		

19	Q1480-17	TP-3	SAM	03/05/25 11:38		Kareem	OK
20	Q1480-25	TP-4	SAM	03/05/25 11:43		Kareem	OK
21	Q1474-01DUP	BU-03-02282025DUP	DUP	03/05/25 11:47		Kareem	OK
22	Q1474-01L	BU-03-02282025L	SD	03/05/25 11:51		Kareem	OK
23	CCV02	CCV02	CCV	03/05/25 11:55		Kareem	OK
24	CCB02	CCB02	CCB	03/05/25 11:59		Kareem	OK
25	Q1474-01MS	BU-03-02282025MS	MS	03/05/25 12:04	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
26	Q1474-01MSD	BU-03-02282025MSD	MSD	03/05/25 12:07	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	Q1474-01A	BU-03-02282025A	PS	03/05/25 12:11	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
28	LR1	LR1	HIGH STD	03/05/25 12:15		Kareem	OK
29	LR2	LR2	HIGH STD	03/05/25 12:20		Kareem	OK
30	Q1447-01DUP	WC1DUP	DUP	03/05/25 12:25		Kareem	OK
31	Q1447-01L	WC1L	SD	03/05/25 12:29		Kareem	OK
32	Q1447-01MS	WC1MS	MS	03/05/25 12:33	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
33	Q1447-01MSD	WC1MSD	MSD	03/05/25 12:37	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84640		
LCS Standard			
Chk Standard	MP84649,MP84650		

34	Q1447-01A	WC1A	PS	03/05/25 12:41	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
35	CCV03	CCV03	CCV	03/05/25 12:45		Kareem	OK
36	CCB03	CCB03	CCB	03/05/25 12:49		Kareem	OK
37	PB166962BL	PB166962BL	MB	03/05/25 13:12		Kareem	OK
38	PB166962BS	PB166962BS	LCS	03/05/25 13:17	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
39	PB166897BL	PB166897BL	MB	03/05/25 13:21		Kareem	OK
40	PB166898BL	PB166898BL	MB	03/05/25 13:29		Kareem	OK
41	PB166924BL	PB166924BL	MB	03/05/25 13:37		Kareem	OK
42	PB166924BS	PB166924BS	LCS	03/05/25 13:42	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
43	Q1451-01	VNJ208	SAM	03/05/25 13:46		Kareem	OK
44	Q1475-01	TR-04-02282025	SAM	03/05/25 13:50		Kareem	OK
45	PB166897BS	PB166897BS	LCS	03/05/25 13:59	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
46	PB166898BS	PB166898BS	LCS	03/05/25 14:03	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
47	CCV04	CCV04	CCV	03/05/25 14:07		Kareem	OK
48	CCB04	CCB04	CCB	03/05/25 14:11		Kareem	OK

SOP ID : M3050B-Digestion-20

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: 02/27/2025 Time : 12:05 Temp : 96 °C

End Digest Date: 02/27/2025 Time : 14:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SJB*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
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 # 1 CELL 55 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/27/25 15:10	<i>SJB. met. dig.</i>	<i>[Signature] Constance Lab</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
PB166879TB	PB166879TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB166897BL	PBW897	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
PB166897BS	LCS897	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6011	3
Q1420-04	TP-1-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1420-08	TP-2-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q1427-02	VNJ-227	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
Q1442-01	280	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	7
Q1442-02	281	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	8
Q1443-01	3733	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q1447-02	WC1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
Q1447-02MS	WC1MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6011	12
Q1447-02MSD	WC1MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6011	13
Q1447-02DUP	WC1DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11

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: 02/27/2025 Time : 13:15 Temp : 94 °C

End Digest Date: 02/27/2025 Time : 15:15 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 94°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84671
CCV	30mL	MP84673
CRA	30mL	MP84675
Blank Spike	0.48mL	MP84664
Matrix Spike	0.48mL	MP84664

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
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84665
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84666
2.5 ppb	S2.5	30mL	MP84667
5.0 ppb	S5.0	30mL	MP84668
7.5 ppb	S7.5	30mL	MP84669
10.0 ppb	S10.0	30mL	MP84670
ICV	ICV	30mL	MP84671
ICB	ICB	30mL	MP84672
CCV	CCV	30mL	MP84673
CCB	CCB	30mL	MP84674
CRI	CRI	30mL	MP84675
CHK STD	CHK STD	30mL	MP84676

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/27/25 @ 17:16	MB - Dig. Lab	MB - metal Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB166879TB	PB166879TB	3	30	<2	N/A	3-1
PB166936BL	PBW936	30	30	<2	N/A	2
PB166936BS	LCS936	30	30	<2	MP84664	3
Q1427-02	VNJ-227	3	30	<2	N/A	4
Q1442-01	280	3	30	<2	N/A	5
Q1442-02	281	3	30	<2	N/A	6
Q1443-01	3733	3	30	<2	N/A	7
Q1447-02	WC1	3	30	<2	N/A	8
Q1447-02DUP	WC1DUP	3	30	<2	N/A	9
Q1447-02MS	WC1MS	3	30	<2	MP84664	10
Q1447-02MSD	WC1MSD	3	30	<2	MP84664	11

SOP ID : M1311-TCLP-15
 SDG No : N/A
 Weigh By : JP
 Balance ID : WC SC-7
 pH Meter ID : WC PH METER-1
 Extraction By : JP
 Filter By : JP
 Pippete ID : WC
 Tumbler ID : T-1
 TCLP Filter ID : 115525

Start Prep Date : 02/26/2025 Time : 16:00
 End Prep Date : 02/27/2025 Time : 10:25
 Combination Ratio : 20
 ZHE Cleaning Batch : ³⁸N/A
 Initial Room Temperature : 23 °C
 Final Room Temperature : 22 °C
 TCLP Technician Signature : ³⁸
 Supervisor By : ¹²

Standard Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked,30 rpm. Particle size reduction is not required. q1447-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/27/25 11:00	³⁸ ICLP Room	SKG- RS I Ex-1
	Preparation Group	Analysis Group ¹²

TCLP EXTRACTION LOGPAGE

PB166879

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB166879TB	LEB879	08	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1
Q1420-04	TP-1-WC	01	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1420-08	TP-2-WC	02	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q1427-02	VNJ-227	03	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1442-01	280	04	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1442-02	281	05	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q1443-01	3733	06	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1447-02	WC1	07	100.04	2000	N/A	N/A	N/A	5.6	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166879TB	LEB879	N/A	N/A	N/A	N/A	N/A	N/A
Q1420-04	TP-1-WC	N/A	N/A	N/A	N/A	100	N/A
Q1420-08	TP-2-WC	N/A	N/A	N/A	N/A	100	N/A
Q1427-02	VNJ-227	N/A	N/A	N/A	N/A	100	N/A
Q1442-01	280	N/A	N/A	N/A	N/A	100	N/A
Q1442-02	281	N/A	N/A	N/A	N/A	100	N/A
Q1443-01	3733	N/A	N/A	N/A	N/A	100	N/A
Q1447-02	WC1	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB166879TB	LEB879	N/A	N/A	N/A	N/A	#1	4.94
Q1420-04	TP-1-WC	5.03	96.5	8.6	3.5	#1	4.94
Q1420-08	TP-2-WC	5.02	96.5	8.6	3.5	#1	4.94
Q1427-02	VNJ-227	5.01	96.5	8.0	3.0	#1	4.94
Q1442-01	280	5.00	96.5	5.8	1.5	#1	4.94
Q1442-02	281	5.03	96.5	6.2	2.0	#1	4.94
Q1443-01	3733	5.02	96.5	6.0	2.0	#1	4.94
Q1447-02	WC1	5.04	96.5	7.0	2.5	#1	4.94