



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

SDG No.: Q1574

Order ID: Q1574

Client: G Environmental

Project ID: Ave L

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q1574-02	WC1	TCLP	Arsenic	58.2	J	34.8	100	ug/L
Q1574-02	WC1	TCLP	Barium	1180		62.8	500	ug/L
Q1574-02	WC1	TCLP	Cadmium	176		0.94	30.0	ug/L
Q1574-02	WC1	TCLP	Chromium	10.8	J	6.60	50.0	ug/L
Q1574-02	WC1	TCLP	Lead	4690		35.1	60.0	ug/L
Q1574-02	WC1	TCLP	Mercury	5.22		0.76	2.00	ug/L



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-02	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	58.2	J	1	34.8	100	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7440-39-3	Barium	1180		1	62.8	500	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7440-43-9	Cadmium	176		1	0.94	30.0	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7440-47-3	Chromium	10.8	J	1	6.60	50.0	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7439-92-1	Lead	4690		1	35.1	60.0	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7439-97-6	Mercury	5.22		1	0.76	2.00	ug/L	03/17/25 10:35	03/18/25 10:45	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	03/17/25 12:05	03/18/25 11:45	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.:	Q1574				
Contract:	GENV01		Lab Code:	CHEM		Case No.:	Q1574		SAS No.:	Q1574
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB46	Mercury	0.20	+/-0.20	U	0.20	CV	03/18/2025	09:57	LB135064	

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB20	Mercury	0.20	+/-0.20	U	0.20	CV	03/18/2025	10:04	LB135064
CCB21	Mercury	0.20	+/-0.20	U	0.20	CV	03/18/2025	10:41	LB135064
CCB22	Mercury	0.20	+/-0.20	U	0.20	CV	03/18/2025	10:59	LB135064

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1574							
Contract:	GENV01	Lab Code:	CHEM	Case No.:	Q1574	SAS No.:	Q1574		
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	03/17/2025	14:43	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	14:43	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	14:43	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	14:43	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	14:43	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	14:43	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	14:43	LB135063

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1574							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1574	SAS No.: Q1574						
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	03/17/2025	15:27	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	15:27	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	15:27	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	15:27	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	15:27	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	15:27	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	15:27	LB135063
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	16:17	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	16:17	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	16:17	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	16:17	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	16:17	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	16:17	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	16:17	LB135063
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	17:09	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	17:09	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	17:09	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	17:09	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	17:09	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	17:09	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	17:09	LB135063
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	17:55	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	17:55	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	17:55	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	17:55	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	17:55	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	17:55	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	17:55	LB135063
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	18:22	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	18:22	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	18:22	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	18:22	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	18:22	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	18:22	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	18:22	LB135063

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1574							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1574	SAS No.: Q1574						
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	03/18/2025	10:45	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	10:45	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	10:45	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	10:45	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	10:45	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	10:45	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	10:45	LB135083

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q1574							
Contract: GENV01	Lab Code: CHEM	Case No.: Q1574	SAS No.: Q1574						
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	03/18/2025	11:13	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	11:13	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	11:13	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	11:13	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	11:13	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	11:13	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	11:13	LB135083
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	12:17	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	12:17	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	12:17	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	12:17	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	12:17	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	12:17	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	12:17	LB135083
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	13:13	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	13:13	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	13:13	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	13:13	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	13:13	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	13:13	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	13:13	LB135083
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	14:20	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	14:20	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	14:20	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	14:20	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	14:20	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	14:20	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	14:20	LB135083
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	14:53	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	14:53	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	14:53	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	14:53	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	14:53	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	14:53	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	14:53	LB135083

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1574

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167133TB		WATER		Batch Number:	PB167166		Prep Date:	03/17/2025	
	Mercury	2.00	<2.00	U	2.00	CV	03/18/2025	10:48	LB135064
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167166BL		WATER		Batch Number:	PB167166		Prep Date:	03/17/2025	
	Mercury	0.20	<0.20	U	0.20	CV	03/18/2025	10:16	LB135064

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q1574

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167133TB		WATER		Batch Number:	PB167161		Prep Date:	03/17/2025	
	Arsenic	100	<100	U	100	P	03/17/2025	16:56	LB135063
	Barium	500	<500	U	500	P	03/17/2025	16:56	LB135063
	Cadmium	30.0	<30.0	U	30.0	P	03/17/2025	16:56	LB135063
	Chromium	50.0	<50.0	U	50.0	P	03/17/2025	16:56	LB135063
	Lead	60.0	<60.0	U	60.0	P	03/17/2025	16:56	LB135063
	Selenium	100	<100	U	100	P	03/17/2025	16:56	LB135063
	Silver	50.0	<50.0	U	50.0	P	03/17/2025	16:56	LB135063
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167161BL		WATER		Batch Number:	PB167161		Prep Date:	03/17/2025	
	Arsenic	100	<100	U	100	P	03/17/2025	17:00	LB135063
	Barium	500	<500	U	500	P	03/17/2025	17:00	LB135063
	Cadmium	30.0	<30.0	U	30.0	P	03/17/2025	17:00	LB135063
	Chromium	50.0	<50.0	U	50.0	P	03/17/2025	17:00	LB135063
	Lead	60.0	<60.0	U	60.0	P	03/17/2025	17:00	LB135063
	Selenium	100	<100	U	100	P	03/17/2025	17:00	LB135063
	Silver	50.0	<50.0	U	50.0	P	03/17/2025	17:00	LB135063



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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
ICV46	Mercury	3.94	4.0	99	90 - 110	CV	03/18/2025	09:55	LB135064

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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
CCV20	Mercury	5.37	5.0	107	90 - 110	CV	03/18/2025	09:59	LB135064
CCV21	Mercury	4.87	5.0	97	90 - 110	CV	03/18/2025	10:35	LB135064
CCV22	Mercury	5.12	5.0	102	90 - 110	CV	03/18/2025	10:54	LB135064

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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	1020	1000	102	90 - 110	P	03/17/2025	14:31	LB135063
	Barium	533	520	102	90 - 110	P	03/17/2025	14:31	LB135063
	Cadmium	504	510	99	90 - 110	P	03/17/2025	14:31	LB135063
	Chromium	529	520	102	90 - 110	P	03/17/2025	14:31	LB135063
	Lead	996	1000	100	90 - 110	P	03/17/2025	14:31	LB135063
	Selenium	1050	1000	105	90 - 110	P	03/17/2025	14:31	LB135063
	Silver	257	250	103	90 - 110	P	03/17/2025	14:31	LB135063

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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	19.4	20.0	97	80 - 120	P	03/17/2025	14:38	LB135063
	Barium	93.6	100	94	80 - 120	P	03/17/2025	14:38	LB135063
	Cadmium	5.89	6.0	98	80 - 120	P	03/17/2025	14:38	LB135063
	Chromium	10.3	10.0	103	80 - 120	P	03/17/2025	14:38	LB135063
	Lead	12.3	12.0	103	80 - 120	P	03/17/2025	14:38	LB135063
	Selenium	18.2	20.0	91	80 - 120	P	03/17/2025	14:38	LB135063
	Silver	10.5	10.0	105	80 - 120	P	03/17/2025	14:38	LB135063

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1574
Contract: GENV01 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574
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	5160	5000	103	90 - 110	P	03/17/2025	15:15	LB135063
	Barium	9740	10000	97	90 - 110	P	03/17/2025	15:15	LB135063
	Cadmium	2510	2500	100	90 - 110	P	03/17/2025	15:15	LB135063
	Chromium	1030	1000	103	90 - 110	P	03/17/2025	15:15	LB135063
	Lead	5080	5000	102	90 - 110	P	03/17/2025	15:15	LB135063
	Selenium	5080	5000	102	90 - 110	P	03/17/2025	15:15	LB135063
	Silver	1310	1250	104	90 - 110	P	03/17/2025	15:15	LB135063
CCV02	Arsenic	5220	5000	104	90 - 110	P	03/17/2025	16:13	LB135063
	Barium	9760	10000	98	90 - 110	P	03/17/2025	16:13	LB135063
	Cadmium	2500	2500	100	90 - 110	P	03/17/2025	16:13	LB135063
	Chromium	1040	1000	104	90 - 110	P	03/17/2025	16:13	LB135063
	Lead	5070	5000	101	90 - 110	P	03/17/2025	16:13	LB135063
	Selenium	5140	5000	103	90 - 110	P	03/17/2025	16:13	LB135063
	Silver	1290	1250	103	90 - 110	P	03/17/2025	16:13	LB135063
CCV03	Arsenic	5320	5000	106	90 - 110	P	03/17/2025	17:05	LB135063
	Barium	9780	10000	98	90 - 110	P	03/17/2025	17:05	LB135063
	Cadmium	2570	2500	103	90 - 110	P	03/17/2025	17:05	LB135063
	Chromium	1090	1000	109	90 - 110	P	03/17/2025	17:05	LB135063
	Lead	5200	5000	104	90 - 110	P	03/17/2025	17:05	LB135063
	Selenium	5220	5000	104	90 - 110	P	03/17/2025	17:05	LB135063
	Silver	1330	1250	106	90 - 110	P	03/17/2025	17:05	LB135063
CCV04	Arsenic	5020	5000	100	90 - 110	P	03/17/2025	17:51	LB135063
	Barium	9270	10000	93	90 - 110	P	03/17/2025	17:51	LB135063
	Cadmium	2390	2500	96	90 - 110	P	03/17/2025	17:51	LB135063
	Chromium	1010	1000	101	90 - 110	P	03/17/2025	17:51	LB135063
	Lead	4870	5000	97	90 - 110	P	03/17/2025	17:51	LB135063
	Selenium	4900	5000	98	90 - 110	P	03/17/2025	17:51	LB135063
	Silver	1240	1250	100	90 - 110	P	03/17/2025	17:51	LB135063
CCV05	Arsenic	5050	5000	101	90 - 110	P	03/17/2025	18:18	LB135063
	Barium	9500	10000	95	90 - 110	P	03/17/2025	18:18	LB135063
	Cadmium	2390	2500	96	90 - 110	P	03/17/2025	18:18	LB135063
	Chromium	1020	1000	102	90 - 110	P	03/17/2025	18:18	LB135063
	Lead	4870	5000	97	90 - 110	P	03/17/2025	18:18	LB135063
	Selenium	4960	5000	99	90 - 110	P	03/17/2025	18:18	LB135063

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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	1260	1250	101	90 - 110	P	03/17/2025	18:18	LB135063

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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	1020	1000	102	90 - 110	P	03/18/2025	10:36	LB135083
	Barium	540	520	104	90 - 110	P	03/18/2025	10:36	LB135083
	Cadmium	510	510	100	90 - 110	P	03/18/2025	10:36	LB135083
	Chromium	537	520	103	90 - 110	P	03/18/2025	10:36	LB135083
	Lead	1010	1000	101	90 - 110	P	03/18/2025	10:36	LB135083
	Selenium	1050	1000	105	90 - 110	P	03/18/2025	10:36	LB135083
	Silver	260	250	104	90 - 110	P	03/18/2025	10:36	LB135083

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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	21.9	20.0	110	80 - 120	P	03/18/2025	10:41	LB135083
	Barium	95.4	100	95	80 - 120	P	03/18/2025	10:41	LB135083
	Cadmium	5.91	6.0	98	80 - 120	P	03/18/2025	10:41	LB135083
	Chromium	10.9	10.0	109	80 - 120	P	03/18/2025	10:41	LB135083
	Lead	10.9	12.0	91	80 - 120	P	03/18/2025	10:41	LB135083
	Selenium	18.4	20.0	92	80 - 120	P	03/18/2025	10:41	LB135083
	Silver	10.1	10.0	101	80 - 120	P	03/18/2025	10:41	LB135083

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1574
Contract: GENV01 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574
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	5040	5000	101	90 - 110	P	03/18/2025	11:09	LB135083
	Barium	9530	10000	95	90 - 110	P	03/18/2025	11:09	LB135083
	Cadmium	2470	2500	99	90 - 110	P	03/18/2025	11:09	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	11:09	LB135083
	Lead	4990	5000	100	90 - 110	P	03/18/2025	11:09	LB135083
	Selenium	5040	5000	101	90 - 110	P	03/18/2025	11:09	LB135083
	Silver	1260	1250	101	90 - 110	P	03/18/2025	11:09	LB135083
CCV02	Arsenic	4890	5000	98	90 - 110	P	03/18/2025	12:08	LB135083
	Barium	9170	10000	92	90 - 110	P	03/18/2025	12:08	LB135083
	Cadmium	2410	2500	96	90 - 110	P	03/18/2025	12:08	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	12:08	LB135083
	Lead	4880	5000	98	90 - 110	P	03/18/2025	12:08	LB135083
	Selenium	4860	5000	97	90 - 110	P	03/18/2025	12:08	LB135083
	Silver	1240	1250	99	90 - 110	P	03/18/2025	12:08	LB135083
CCV03	Arsenic	4920	5000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Barium	9800	10000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Cadmium	2400	2500	96	90 - 110	P	03/18/2025	13:07	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	13:07	LB135083
	Lead	4850	5000	97	90 - 110	P	03/18/2025	13:07	LB135083
	Selenium	4910	5000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Silver	1240	1250	99	90 - 110	P	03/18/2025	13:07	LB135083
CCV04	Arsenic	4770	5000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Barium	9510	10000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Cadmium	2310	2500	92	90 - 110	P	03/18/2025	14:07	LB135083
	Chromium	981	1000	98	90 - 110	P	03/18/2025	14:07	LB135083
	Lead	4660	5000	93	90 - 110	P	03/18/2025	14:07	LB135083
	Selenium	4760	5000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Silver	1190	1250	95	90 - 110	P	03/18/2025	14:07	LB135083
CCV05	Arsenic	4920	5000	98	90 - 110	P	03/18/2025	14:49	LB135083
	Barium	10800	10000	108	90 - 110	P	03/18/2025	14:49	LB135083
	Cadmium	2370	2500	95	90 - 110	P	03/18/2025	14:49	LB135083
	Chromium	1000	1000	100	90 - 110	P	03/18/2025	14:49	LB135083
	Lead	4790	5000	96	90 - 110	P	03/18/2025	14:49	LB135083
	Selenium	4900	5000	98	90 - 110	P	03/18/2025	14:49	LB135083

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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	1230	1250	99	90 - 110	P	03/18/2025	14:49	LB135083



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

Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	19.6	20.0	98	40 - 160	P	03/17/2025	14:47	LB135063
	Barium	92.8	100	93	40 - 160	P	03/17/2025	14:47	LB135063
	Cadmium	5.88	6.0	98	40 - 160	P	03/17/2025	14:47	LB135063
	Chromium	10.3	10.0	103	40 - 160	P	03/17/2025	14:47	LB135063
	Lead	12.6	12.0	105	40 - 160	P	03/17/2025	14:47	LB135063
	Selenium	18.9	20.0	94	40 - 160	P	03/17/2025	14:47	LB135063
	Silver	10.3	10.0	103	40 - 160	P	03/17/2025	14:47	LB135063
CRA	Mercury	0.16	0.2	81	40 - 160	CV	03/18/2025	10:06	LB135064
CRI01	Arsenic	22.6	20.0	113	40 - 160	P	03/18/2025	10:49	LB135083
	Barium	94.4	100	94	40 - 160	P	03/18/2025	10:49	LB135083
	Cadmium	5.91	6.0	98	40 - 160	P	03/18/2025	10:49	LB135083
	Chromium	10.8	10.0	108	40 - 160	P	03/18/2025	10:49	LB135083
	Lead	11.3	12.0	94	40 - 160	P	03/18/2025	10:49	LB135083
	Selenium	16.6	20.0	83	40 - 160	P	03/18/2025	10:49	LB135083
	Silver	10.7	10.0	107	40 - 160	P	03/18/2025	10:49	LB135083

Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
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	4.68			-20	20	03/17/2025	14:51	LB135063
	Barium	3.10	6.0	52	-94	106	03/17/2025	14:51	LB135063
	Cadmium	-4.02	1.0	402	-5	7	03/17/2025	14:51	LB135063
	Chromium	60.2	52.0	116	42	62	03/17/2025	14:51	LB135063
	Lead	7.22			-12	12	03/17/2025	14:51	LB135063
	Selenium	-0.91			-20	20	03/17/2025	14:51	LB135063
	Silver	-2.37			-10	10	03/17/2025	14:51	LB135063
ICSAB01	Arsenic	95.9	104	92	88.4	120	03/17/2025	15:02	LB135063
	Barium	491	537	91	437	637	03/17/2025	15:02	LB135063
	Cadmium	1030	972	106	826	1120	03/17/2025	15:02	LB135063
	Chromium	588	542	108	460	624	03/17/2025	15:02	LB135063
	Lead	58.7	49.0	120	37	61	03/17/2025	15:02	LB135063
	Selenium	57.1	46.0	124	26	66	03/17/2025	15:02	LB135063
	Silver	224	201	111	170	232	03/17/2025	15:02	LB135063
ICSA01	Arsenic	3.99			-20	20	03/18/2025	10:54	LB135083
	Barium	5.93	6.0	99	-94	106	03/18/2025	10:54	LB135083
	Cadmium	-4.36	1.0	436	-5	7	03/18/2025	10:54	LB135083
	Chromium	60.3	52.0	116	42	62	03/18/2025	10:54	LB135083
	Lead	5.17			-12	12	03/18/2025	10:54	LB135083
	Selenium	-12.3			-20	20	03/18/2025	10:54	LB135083
	Silver	-0.69			-10	10	03/18/2025	10:54	LB135083
ICSAB01	Arsenic	106	104	102	88.4	120	03/18/2025	11:04	LB135083
	Barium	452	537	84	437	637	03/18/2025	11:04	LB135083
	Cadmium	955	972	98	826	1120	03/18/2025	11:04	LB135083
	Chromium	555	542	102	460	624	03/18/2025	11:04	LB135083
	Lead	51.9	49.0	106	37	61	03/18/2025	11:04	LB135083
	Selenium	34.2	46.0	74	26	66	03/18/2025	11:04	LB135083
	Silver	211	201	105	170	232	03/18/2025	11:04	LB135083



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q1574</u>
contract: <u>GENV01</u>	lab code: <u>CHEM</u>	case no.: <u>Q1574</u> sas no.: <u>Q1574</u>
matrix: <u>Water</u>	sample id: <u>Q1568-04</u>	client id: <u>JC-03-03132025MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q1568-04MS</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	4220		100	U	4000	106		P
Barium	ug/L	75 - 125	2690		1710		1000	98		P
Cadmium	ug/L	75 - 125	1000		2.07	J	1000	100		P
Chromium	ug/L	75 - 125	2130		50.0	U	2000	106		P
Lead	ug/L	75 - 125	4920		70.8		5000	97		P
Mercury	ug/L	82 - 119	39.4		2.00	U	40.0	98		CV
Selenium	ug/L	75 - 125	10200		100	U	10000	102		P
Silver	ug/L	75 - 125	396		50.0	U	380	104		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q1574</u>
contract: <u>GENV01</u>	lab code: <u>CHEM</u>	case no.: <u>Q1574</u> sas no.: <u>Q1574</u>
matrix: <u>Water</u>	sample id: <u>Q1568-04</u>	client id: <u>JC-03-03132025MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q1568-04MSD</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	4250		100	U	4000	106		P
Barium	ug/L	75 - 125	2680		1710		1000	97		P
Cadmium	ug/L	75 - 125	1010		2.07	J	1000	101		P
Chromium	ug/L	75 - 125	2150		50.0	U	2000	108		P
Lead	ug/L	75 - 125	4950		70.8		5000	98		P
Mercury	ug/L	82 - 119	38.9		2.00	U	40.0	97		CV
Selenium	ug/L	75 - 125	10300		100	U	10000	103		P
Silver	ug/L	75 - 125	400		50.0	U	380	105		P

Metals
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Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
Matrix: **Level:** LOW **Client ID:**
Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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A
B
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H
I
J

Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
Matrix: Water **Sample ID:** Q1568-04 **Client ID:** JC-03-03132025DUP
Percent Solids for Sample: NA **Duplicate ID** Q1568-04DUP **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	1710		1720		1		P
Cadmium	ug/L	20	2.07	J	2.25	J	8		P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	70.8		66.6		6		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.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574
Matrix: Water **Sample ID:** Q1568-04MS **Client ID:** JC-03-03132025MSD
Percent Solids for Sample: NA **Duplicate ID** Q1568-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4220		4250		1		P
Barium	ug/L	20	2690		2680		0		P
Cadmium	ug/L	20	1000		1010		1		P
Chromium	ug/L	20	2130		2150		1		P
Lead	ug/L	20	4920		4950		1		P
Mercury	ug/L	20	39.4		38.9		1		CV
Selenium	ug/L	20	10200		10300		1		P
Silver	ug/L	20	396		400		1		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167161BS							
Arsenic	ug/L	4000	3850		96	80 - 120	P
Barium	ug/L	1000	869		87	80 - 120	P
Cadmium	ug/L	1000	933		93	80 - 120	P
Chromium	ug/L	2000	2010		100	80 - 120	P
Lead	ug/L	5000	4670		93	80 - 120	P
Selenium	ug/L	10000	9550		96	80 - 120	P
Silver	ug/L	380	376		99	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1574
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167166BS Mercury	ug/L	4.0	4.60		115	82 - 119	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

JC-03-03132025L

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM **Lb No.:** lb135063 **Lab Sample ID :** Q1568-04L **SDG No.:** Q1574

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	1710		1710	J	0		P
Cadmium	2.07	J	150	U	100.0		P
Chromium	50.0	U	250	U			P
Lead	70.8		300	U	100.0		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.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

Instrument id number: **Method:** **Run number:** LB135063

Start date: 03/17/2025 **End date:** 03/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1409	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1414	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1418	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1422	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1427	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1431	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1438	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1443	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1447	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1451	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1502	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1515	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1527	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1613	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1617	Ag,As,Ba,Cd,Cr,Pb,Se
Q1568-04DUP	JC-03-03132025DUP	1	1635	Ag,As,Ba,Cd,Cr,Pb,Se
Q1568-04L	JC-03-03132025L	5	1639	Ag,As,Ba,Cd,Cr,Pb,Se
Q1568-04MS	JC-03-03132025MS	1	1643	Ag,As,Ba,Cd,Cr,Pb,Se
Q1568-04MSD	JC-03-03132025MSD	1	1647	Ag,As,Ba,Cd,Cr,Pb,Se
PB167133TB	PB167133TB	1	1656	Ag,As,Ba,Cd,Cr,Pb,Se
PB167161BL	PB167161BL	1	1700	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1705	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1709	Ag,As,Ba,Cd,Cr,Pb,Se
PB167161BS	PB167161BS	1	1713	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1751	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1755	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1818	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1822	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.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

Instrument id number: **Method:** **Run number:** LB135064

Start date: 03/18/2025 **End date:** 03/18/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0934	HG
S0.2	S0.2	1	0936	HG
S2.5	S2.5	1	0939	HG
S5	S5	1	0941	HG
S7.5	S7.5	1	0949	HG
S10	S10	1	0952	HG
ICV46	ICV46	1	0955	HG
ICB46	ICB46	1	0957	HG
CCV20	CCV20	1	0959	HG
CCB20	CCB20	1	1004	HG
CRA	CRA	1	1006	HG
PB167166BL	PB167166BL	1	1016	HG
PB167166BS	PB167166BS	1	1018	HG
Q1568-04DUP	JC-03-03132025DUP	1	1023	HG
Q1568-04MS	JC-03-03132025MS	1	1025	HG
Q1568-04MSD	JC-03-03132025MSD	1	1027	HG
CCV21	CCV21	1	1035	HG
CCB21	CCB21	1	1041	HG
Q1574-02	WC1	1	1045	HG
PB167133TB	PB167133TB	1	1048	HG
Q1568-04L	JC-03-03132025L	5	1050	HG
CCV22	CCV22	1	1054	HG
CCB22	CCB22	1	1059	HG

metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

Instrument id number: **Method:** **Run number:** LB135083

Start date: 03/18/2025 **End date:** 03/18/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1011	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1015	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1020	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1024	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1028	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1032	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1036	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1041	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1045	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1049	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1054	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1104	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1109	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1113	Ag,As,Ba,Cd,Cr,Pb,Se
Q1574-02	WC1	1	1145	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1208	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1217	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1307	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1313	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1407	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1420	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1449	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1453	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.: Q1574

Contract: GENV01

Lab Code: CHEM

Case No.: Q1574

SAS No.: Q1574

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1574

Contract: GENV01

Lab Code: CHEM

Case No.: Q1574

SAS No.: Q1574

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1574

Contract: GENV01

Lab Code: CHEM

Case No.: Q1574

SAS No.: Q1574

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q1574

Contract: GENV01

Lab Code: CHEM

Case No.: Q1574

SAS No.: Q1574

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.: Q1574

Contract: GENV01

Lab Code: CHEM

Case No.: Q1574

SAS No.: Q1574

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:	Q1574	OrderDate:	3/14/2025 11:25:00 AM
Client:	G Environmental	Project:	Ave L
Contact:	Gary Landis	Location:	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	WC1	SOIL			03/12/25			03/14/25
			Mercury	7471B		03/17/25	03/17/25	
			Metals ICP-TAL	6010D		03/14/25	03/18/25	
Q1574-02	WC1	TCLP			03/12/25			03/14/25
			TCLP ICP Metals	6010D		03/17/25	03/18/25	
			TCLP Mercury	7470A		03/17/25	03/18/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q1574</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1574</u>
		SAS No.:	<u>Q1574</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167161							
PB167133TB	PB167133TB	MB	WATER	03/17/2025	5.0	25.0	
PB167161BL	PB167161BL	MB	WATER	03/17/2025	5.0	25.0	
PB167161BS	PB167161BS	LCS	WATER	03/17/2025	5.0	25.0	
Q1568-04DUP	JC-03-03132025DUP	DUP	WATER	03/17/2025	5.0	25.0	
Q1568-04MS	JC-03-03132025MS	MS	WATER	03/17/2025	5.0	25.0	
Q1568-04MSD	JC-03-03132025MSD	MSD	WATER	03/17/2025	5.0	25.0	
Q1574-02	WC1	SAM	WATER	03/17/2025	5.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q1574</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1574</u>
		SAS No.:	<u>Q1574</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167166							
PB167133TB	PB167133TB	MB	WATER	03/17/2025	3.0	30.0	
PB167166BL	PB167166BL	MB	WATER	03/17/2025	30.0	30.0	
PB167166BS	PB167166BS	LCS	WATER	03/17/2025	30.0	30.0	
Q1568-04DUP	JC-03-03132025DUP	DUP	WATER	03/17/2025	3.0	30.0	
Q1568-04MS	JC-03-03132025MS	MS	WATER	03/17/2025	3.0	30.0	
Q1568-04MSD	JC-03-03132025MSD	MSD	WATER	03/17/2025	3.0	30.0	
Q1574-02	WC1	SAM	WATER	03/17/2025	3.0	30.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135063

Review By	kareem	Review On	3/18/2025 12:28:54 PM
Supervise By	jaswal	Supervise On	3/20/2025 11:15:13 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/17/25 14:05		Kareem	OK
2	S1	S1	CAL2	03/17/25 14:09		Kareem	OK
3	S2	S2	CAL3	03/17/25 14:14		Kareem	OK
4	S3	S3	CAL4	03/17/25 14:18		Kareem	OK
5	S4	S4	CAL5	03/17/25 14:22		Kareem	OK
6	S5	S5	CAL6	03/17/25 14:27		Kareem	OK
7	ICV01	ICV01	ICV	03/17/25 14:31	ICV01 Fail for Be (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/17/25 14:38		Kareem	OK
9	ICB01	ICB01	ICB	03/17/25 14:43		Kareem	OK
10	CRI01	CRI01	CRDL	03/17/25 14:47		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/17/25 14:51		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/17/25 15:02		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/17/25 15:06		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/17/25 15:11		Kareem	OK
15	CCV01	CCV01	CCV	03/17/25 15:15		Kareem	OK
16	CCB01	CCB01	CCB	03/17/25 15:27		Kareem	OK
17	PB167007BL	PB167007BL	MB	03/17/25 15:31		Kareem	OK
18	PB167007BS	PB167007BS	LCS	03/17/25 15:35	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135063

Review By	kareem	Review On	3/18/2025 12:28:54 PM
Supervise By	jaswal	Supervise On	3/20/2025 11:15:13 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

19	PB167119BL	PB167119BL	MB	03/17/25 15:39		Kareem	OK
20	PB167119BS	PB167119BS	LCS	03/17/25 15:44	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
21	Q1543-01	ISB878MW02	SAM	03/17/25 15:48		Kareem	OK
22	Q1543-02	ISB878MW05	SAM	03/17/25 15:52		Kareem	OK
23	Q1543-02DUP	ISB878MW05DUP	DUP	03/17/25 15:56		Kareem	OK
24	Q1543-02L	ISB878MW05L	SD	03/17/25 16:01		Kareem	OK
25	Q1543-02MS	ISB878MW05MS	MS	03/17/25 16:05	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
26	Q1543-02MSD	ISB878MW05MSD	MSD	03/17/25 16:09	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	CCV02	CCV02	CCV	03/17/25 16:13		Kareem	OK
28	CCB02	CCB02	CCB	03/17/25 16:17		Kareem	OK
29	Q1553-03	FRAC-TANK-FMI120	SAM	03/17/25 16:22		Kareem	OK
30	Q1543-02A	ISB878MW05A	PS	03/17/25 16:26	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
31	Q1568-04	JC-03-03132025	SAM	03/17/25 16:30		Kareem	OK
32	Q1568-04DUP	JC-03-03132025DUP	DUP	03/17/25 16:35		Kareem	OK
33	Q1568-04L	JC-03-03132025L	SD	03/17/25 16:39		Kareem	OK
34	Q1568-04MS	JC-03-03132025MS	MS	03/17/25 16:43	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135063

Review By	kareem	Review On	3/18/2025 12:28:54 PM
Supervise By	jaswal	Supervise On	3/20/2025 11:15:13 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

35	Q1568-04MSD	JC-03-03132025MSD	MSD	03/17/25 16:47	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
36	Q1568-04A	JC-03-03132025A	PS	03/17/25 16:52	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
37	PB167133TB	PB167133TB	MB	03/17/25 16:56		Kareem	OK
38	PB167161BL	PB167161BL	MB	03/17/25 17:00		Kareem	OK
39	CCV03	CCV03	CCV	03/17/25 17:05		Kareem	OK
40	CCB03	CCB03	CCB	03/17/25 17:09		Kareem	OK
41	PB167161BS	PB167161BS	LCS	03/17/25 17:13	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
42	Q1566-01	CTWK-COMP	SAM	03/17/25 17:17		Kareem	OK
43	Q1568-01	JC-03-03132025	SAM	03/17/25 17:21		Kareem	OK
44	Q1568-01DUP	JC-03-03132025DUP	DUP	03/17/25 17:25		Kareem	OK
45	Q1568-01L	JC-03-03132025L	SD	03/17/25 17:29		Kareem	OK
46	Q1568-01MS	JC-03-03132025MS	MS	03/17/25 17:34	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
47	Q1568-01MSD	JC-03-03132025MSD	MSD	03/17/25 17:38	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
48	Q1568-01A	JC-03-03132025A	PS	03/17/25 17:43	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
49	CCV04	CCV04	CCV	03/17/25 17:51		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135063

Review By	kareem	Review On	3/18/2025 12:28:54 PM
Supervise By	jaswal	Supervise On	3/20/2025 11:15:13 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

50	CCB04	CCB04	CCB	03/17/25 17:55		Kareem	OK
51	LR1	LR1	HIGH STD	03/17/25 17:59		Kareem	OK
52	LR2	LR2	HIGH STD	03/17/25 18:04		Kareem	OK
53	PB167132BL	PB167132BL	MB	03/17/25 18:10		Kareem	OK
54	PB167132BS	PB167132BS	LCS	03/17/25 18:14	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
55	CCV05	CCV05	CCV	03/17/25 18:18		Kareem	OK
56	CCB05	CCB05	CCB	03/17/25 18:22		Kareem	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135064

Review By	Mohan	Review On	3/20/2025 11:15:47 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:16:04 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84882,MP84883,MP84884,MP84885,MP84886,MP84887		
ICV Standard	MP84889		
CCV Standard	MP84891		
ICSA Standard			
CRI Standard	MP84893		
LCS Standard			
Chk Standard	MP84890,MP84892,MP84894,MP84898		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/18/25 09:34		Mohan	OK
2	S0.2	S0.2	CAL2	03/18/25 09:36		Mohan	OK
3	S2.5	S2.5	CAL3	03/18/25 09:39		Mohan	OK
4	S5	S5	CAL4	03/18/25 09:41		Mohan	OK
5	S7.5	S7.5	CAL5	03/18/25 09:49		Mohan	OK
6	S10	S10	CAL6	03/18/25 09:52		Mohan	OK
7	ICV46	ICV46	ICV	03/18/25 09:55		Mohan	OK
8	ICB46	ICB46	ICB	03/18/25 09:57		Mohan	OK
9	CCV20	CCV20	CCV	03/18/25 09:59		Mohan	OK
10	CCB20	CCB20	CCB	03/18/25 10:04		Mohan	OK
11	CRA	CRA	CRDL	03/18/25 10:06		Mohan	OK
12	HighStd	HighStd	HIGH STD	03/18/25 10:09		Mohan	OK
13	ChkStd	ChkStd	SAM	03/18/25 10:11		Mohan	OK
14	PB167166BL	PB167166BL	MB	03/18/25 10:16		Mohan	OK
15	PB167166BS	PB167166BS	LCS	03/18/25 10:18		Mohan	OK
16	Q1568-04	JC-03-03132025	SAM	03/18/25 10:20		Mohan	OK
17	Q1568-04DUP	JC-03-03132025DUP	DUP	03/18/25 10:23		Mohan	OK
18	Q1568-04MS	JC-03-03132025MS	MS	03/18/25 10:25		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135064

Review By	Mohan	Review On	3/20/2025 11:15:47 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:16:04 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84882,MP84883,MP84884,MP84885,MP84886,MP84887		
ICV Standard	MP84889		
CCV Standard	MP84891		
ICSA Standard			
CRI Standard	MP84893		
LCS Standard			
Chk Standard	MP84890,MP84892,MP84894,MP84898		

19	Q1568-04MSD	JC-03-03132025MSD	MSD	03/18/25 10:27		Mohan	OK
20	Q1569-02	TAP-IDW-SOIL-03132	SAM	03/18/25 10:30		Mohan	OK
21	CCV21	CCV21	CCV	03/18/25 10:35		Mohan	OK
22	CCB21	CCB21	CCB	03/18/25 10:41		Mohan	OK
23	Q1569-05	TAP-IDW-SOIL-03132	SAM	03/18/25 10:43		Mohan	OK
24	Q1574-02	WC1	SAM	03/18/25 10:45		Mohan	OK
25	PB167133TB	PB167133TB	MB	03/18/25 10:48		Mohan	OK
26	Q1568-04L	JC-03-03132025L	SD	03/18/25 10:50		Mohan	OK
27	Q1568-04A	JC-03-03132025A	PS	03/18/25 10:52		Mohan	OK
28	CCV22	CCV22	CCV	03/18/25 10:54		Mohan	OK
29	CCB22	CCB22	CCB	03/18/25 10:59		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/18/25 10:11		Kareem	OK
2	S1	S1	CAL2	03/18/25 10:15		Kareem	OK
3	S2	S2	CAL3	03/18/25 10:20		Kareem	OK
4	S3	S3	CAL4	03/18/25 10:24		Kareem	OK
5	S4	S4	CAL5	03/18/25 10:28		Kareem	OK
6	S5	S5	CAL6	03/18/25 10:32		Kareem	OK
7	ICV01	ICV01	ICV	03/18/25 10:36	ICV01 Fail for Be,TI (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/18/25 10:41		Kareem	OK
9	ICB01	ICB01	ICB	03/18/25 10:45		Kareem	OK
10	CRI01	CRI01	CRDL	03/18/25 10:49		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/18/25 10:54		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/18/25 11:04		Kareem	OK
13	CCV01	CCV01	CCV	03/18/25 11:09		Kareem	OK
14	CCB01	CCB01	CCB	03/18/25 11:13		Kareem	OK
15	PB167145BL	PB167145BL	MB	03/18/25 11:18		Kareem	OK
16	PB167145BS	PB167145BS	LCS	03/18/25 11:22	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
17	PB167150BL	PB167150BL	MB	03/18/25 11:27		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

18	PB167150BS	PB167150BS	LCS	03/18/25 11:32	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
19	Q1569-05	TAP-IDW-SOIL-03132	SAM	03/18/25 11:36	Need to Confirm TCLP	Kareem	OK
20	Q1569-02	TAP-IDW-SOIL-03132	SAM	03/18/25 11:40		Kareem	OK
21	Q1574-02	WC1	SAM	03/18/25 11:45		Kareem	OK
22	Q1574-01	WC1	SAM	03/18/25 11:49	Cr,Cu,Fe,Zn High & Ag (Oversaturated)	Kareem	Dilution
23	Q1569-04	TAP-IDW-SOIL-03132	SAM	03/18/25 11:54		Kareem	OK
24	Q1581-01	TR-06-031425	SAM	03/18/25 11:58		Kareem	OK
25	CCV02	CCV02	CCV	03/18/25 12:08		Kareem	OK
26	CCB02	CCB02	CCB	03/18/25 12:17		Kareem	OK
27	Q1581-01DUP	TR-06-031425DUP	DUP	03/18/25 12:22		Kareem	OK
28	Q1581-01L	TR-06-031425L	SD	03/18/25 12:26		Kareem	OK
29	Q1581-01MS	TR-06-031425MS	MS	03/18/25 12:30	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
30	Q1581-01MSD	TR-06-031425MSD	MSD	03/18/25 12:34	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
31	Q1581-01A	TR-06-031425A	PS	03/18/25 12:38	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
32	Q1585-01	OK-02-03142025	SAM	03/18/25 12:42		Kareem	OK
33	Q1585-01DUP	OK-02-03142025DUP	DUP	03/18/25 12:46		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

34	Q1585-01L	OK-02-03142025L	SD	03/18/25 12:50		Kareem	OK
35	Q1585-01MS	OK-02-03142025MS	MS	03/18/25 12:55	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
36	Q1585-01MSD	OK-02-03142025MSD	MSD	03/18/25 12:59	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
37	CCV03	CCV03	CCV	03/18/25 13:07		Kareem	OK
38	CCB03	CCB03	CCB	03/18/25 13:13		Kareem	OK
39	Q1585-01A	OK-02-03142025A	PS	03/18/25 13:17	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
40	Q1574-02L	WC1L	SD	03/18/25 13:32	NOT USE	Kareem	Not Ok
41	Q1574-01DL	WC1DL	SAM	03/18/25 13:41	20X for Cr,Cu,Fe,Ag,Zn	Kareem	Confirms
42	LR1	LR1	HIGH STD	03/18/25 13:45		Kareem	OK
43	LR2	LR2	HIGH STD	03/18/25 13:50		Kareem	OK
44	Q1590-02	20071	SAM	03/18/25 13:54		Kareem	OK
45	Q1590-02DUP	20071DUP	DUP	03/18/25 13:58		Kareem	OK
46	Q1590-02L	20071L	SD	03/18/25 14:03		Kareem	OK
47	CCV04	CCV04	CCV	03/18/25 14:07		Kareem	OK
48	CCB04	CCB04	CCB	03/18/25 14:20		Kareem	OK
49	Q1590-02MS	20071MS	MS	03/18/25 14:24	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

50	Q1590-02MSD	20071MSD	MSD	03/18/25 14:28	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
51	Q1590-02A	20071A	PS	03/18/25 14:32	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
52	Q1592-01	OILY-DEBRIS-COMP	SAM	03/18/25 14:37	% Solids Missing	Kareem	OK
53	PB167179BL	PB167179BL	MB	03/18/25 14:41		Kareem	OK
54	PB167179BS	PB167179BS	LCS	03/18/25 14:45	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
55	CCV05	CCV05	CCV	03/18/25 14:49		Kareem	OK
56	CCB05	CCB05	CCB	03/18/25 14:53		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: 03/17/2025 Time : 12:05 Temp : 96 °C

End Digest Date: 03/17/2025 Time : 15:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SKS*

Supervisor Signature: *JP*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6003
LFS-2	1.00	M6012
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

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

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL #50 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/17/25 16:10	<i>SKS met dig</i>	<i>JP met dig</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167133TB	PB167133TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB167161BL	PBW161	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
PB167161BS	LCS161	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6012	3
Q1568-04MS	JC-03-03132025MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6012	6
Q1568-04MSD	JC-03-03132025MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6012	7
Q1568-04DUP	JC-03-03132025DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q1568-04	JC-03-03132025	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1569-02	TAP-IDW-SOIL-031325-01	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	8
Q1569-05	TAP-IDW-SOIL-031325-02	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q1574-02	WC1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10

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: 03/17/2025 Time : 10:35 Temp : 94 °C

End Digest Date: 03/17/2025 Time : 12:35 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	MP84889
CCV	30mL	MP84891
CRA	30mL	MP84893
Blank Spike	0.48mL	MP84881
Matrix Spike	0.48mL	MP84881

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	MP84882
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84883
2.5 ppb	S2.5	30mL	MP84884
5.0 ppb	S5.0	30mL	MP84885
7.5 ppb	S7.5	30mL	MP84886
10.0 ppb	S10.0	30mL	MP84887
ICV	ICV	30mL	MP84889
ICB	ICB	30mL	MP84890
CCV	CCV	30mL	MP84891
CCB	CCB	30mL	MP84892
CRI	CRI	30mL	MP84893
CHK STD	CHK STD	30mL	MP84894

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/17/25 09:05	MB - N/A	MB - N/A
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB167133TB	PB167133TB	3	30	<2	N/A	3-1
PB167166BL	PBW166	30	30	<2	N/A	2
PB167166BS	LCS166	30	30	<2	MP84881	3
Q1568-04DUP	JC-03-03132025DUP	3	30	<2	N/A	5
Q1568-04MS	JC-03-03132025MS	3	30	<2	MP84881	6
Q1568-04MSD	JC-03-03132025MSD	3	30	<2	MP84881	7
Q1568-04	JC-03-03132025	3	30	<2	N/A	4
Q1569-02	TAP-IDW-SOIL-031325-01	3	30	<2	N/A	8
Q1569-05	TAP-IDW-SOIL-031325-02	3	30	<2	N/A	9
Q1574-02	WC1	3	30	<2	N/A	10

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

Pipette ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 03/14/2025 Time : 14:00

End Prep Date : 03/15/2025 Time : 08:30

Combination Ratio : 20

ZHE Cleaning Batch : ¹⁸N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : ¹⁸

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
N/A	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. q1568-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/17/25 10:00	¹⁸ / TCLP Room	¹⁸ / Ext
	Preparation Group	Analysis Group

¹² met n'g

TCLP EXTRACTION LOGPAGE

PB167133

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
PB167133TB	LEB133	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q1507-04	50-MIDDLESEX-AVE	01	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1568-04	JC-03-03132025	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1569-02	TAP-IDW-SOIL-031325-01	03	100.01	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1569-05	TAP-IDW-SOIL-031325-02	04	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1574-02	WC1	05	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167133TB	LEB133	N/A	N/A	N/A	N/A	N/A	N/A
Q1507-04	50-MIDDLESEX-AVE	N/A	N/A	N/A	N/A	100	N/A
Q1568-04	JC-03-03132025	N/A	N/A	N/A	N/A	100	N/A
Q1569-02	TAP-IDW-SOIL-031325-01	N/A	N/A	N/A	N/A	100	N/A
Q1569-05	TAP-IDW-SOIL-031325-02	N/A	N/A	N/A	N/A	100	N/A
Q1574-02	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
PB167133TB	LEB133	N/A	N/A	N/A	N/A	#1	4.93
Q1507-04	50-MIDDLESEX-AVE	5.02	96.5	7.0	2.5	#1	4.93
Q1568-04	JC-03-03132025	5.01	96.5	7.0	2.5	#1	4.93
Q1569-02	TAP-IDW-SOIL-031325-01	5.03	96.5	6.8	2.0	#1	4.93
Q1569-05	TAP-IDW-SOIL-031325-02	5.04	96.5	10.0	4.0	#1	4.93
Q1574-02	WC1	5.03	96.5	6.8	2.0	#1	4.93