



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

Hit Summary Sheet
SW-846

SDG No.: Q2198 **Order ID:** Q2198
Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-202-SB02								
Q2198-02	B-202-SB02	TCLP	Barium	1200		72.8	500	ug/L
Q2198-02	B-202-SB02	TCLP	Chromium	14.0	J	10.6	50.0	ug/L
Q2198-02	B-202-SB02	TCLP	Lead	21.5	J	11.5	60.0	ug/L
Client ID : B-207-SB02								
Q2198-04	B-207-SB02	TCLP	Barium	850		72.8	500	ug/L
Q2198-04	B-207-SB02	TCLP	Lead	55.7	J	11.5	60.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-02	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	25.6	U	1	25.6	100	ug/L	06/05/25 12:30	06/06/25 15:28	6010D	SW3050
7440-39-3	Barium	1200		1	72.8	500	ug/L	06/05/25 12:30	06/06/25 15:28	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	06/05/25 12:30	06/06/25 15:28	6010D	SW3050
7440-47-3	Chromium	14.0	J	1	10.6	50.0	ug/L	06/05/25 12:30	06/06/25 15:28	6010D	SW3050
7439-92-1	Lead	21.5	J	1	11.5	60.0	ug/L	06/05/25 12:30	06/06/25 15:28	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	06/05/25 14:05	06/06/25 10:33	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	06/05/25 12:30	06/06/25 15:28	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	06/05/25 12:30	06/06/25 15:28	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP-FULL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-04	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	25.6	U	1	25.6	100	ug/L	06/05/25 12:30	06/06/25 15:33	6010D	SW3050
7440-39-3	Barium	850		1	72.8	500	ug/L	06/05/25 12:30	06/06/25 15:33	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	06/05/25 12:30	06/06/25 15:33	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	06/05/25 12:30	06/06/25 15:33	6010D	SW3050
7439-92-1	Lead	55.7	J	1	11.5	60.0	ug/L	06/05/25 12:30	06/06/25 15:33	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	06/05/25 14:05	06/06/25 10:35	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	06/05/25 12:30	06/06/25 15:33	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	06/05/25 12:30	06/06/25 15:33	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP-FULL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Portal Partners Tri-Venture				SDG No.:	Q2198				
Contract:	PORT06	Lab Code:	CHEM		Case No.:	Q2198		SAS No.:	Q2198	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB29	Mercury	0.076	+/-0.2	U	0.20	CV	06/06/2025	10:05	LB136036	

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Mercury	0.076	+/-0.2	U	0.20	CV	06/06/2025	10:10	LB136036
CCB09	Mercury	0.076	+/-0.2	U	0.20	CV	06/06/2025	10:40	LB136036
CCB10	Mercury	0.076	+/-0.2	U	0.20	CV	06/06/2025	11:07	LB136036
CCB11	Mercury	0.076	+/-0.2	U	0.20	CV	06/06/2025	11:43	LB136036
CCB12	Mercury	0.076	+/-0.2	U	0.20	CV	06/06/2025	12:08	LB136036
CCB13	Mercury	0.076	+/-0.2	U	0.20	CV	06/06/2025	12:35	LB136036

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	06/06/2025	13:33	LB136052
	Barium	14.6	+/-50	U	100	P	06/06/2025	13:33	LB136052
	Cadmium	0.50	+/-3	U	6.00	P	06/06/2025	13:33	LB136052
	Chromium	2.12	+/-5	U	10.0	P	06/06/2025	13:33	LB136052
	Lead	2.30	+/-6	U	12.0	P	06/06/2025	13:33	LB136052
	Selenium	9.64	+/-10	U	20.0	P	06/06/2025	13:33	LB136052
	Silver	1.62	+/-5	U	10.0	P	06/06/2025	13:33	LB136052

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q2198							
Contract: PORT06	Lab Code: CHEM	Case No.: Q2198	SAS No.: Q2198						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	06/06/2025	14:09	LB136052
	Barium	14.6	+/-50	U	100	P	06/06/2025	14:09	LB136052
	Cadmium	0.50	+/-3	U	6.00	P	06/06/2025	14:09	LB136052
	Chromium	2.12	+/-5	U	10.0	P	06/06/2025	14:09	LB136052
	Lead	2.30	+/-6	U	12.0	P	06/06/2025	14:09	LB136052
	Selenium	9.64	+/-10	U	20.0	P	06/06/2025	14:09	LB136052
	Silver	1.62	+/-5	U	10.0	P	06/06/2025	14:09	LB136052
CCB02	Arsenic	5.12	+/-10	U	20.0	P	06/06/2025	15:00	LB136052
	Barium	14.6	+/-50	U	100	P	06/06/2025	15:00	LB136052
	Cadmium	0.50	+/-3	U	6.00	P	06/06/2025	15:00	LB136052
	Chromium	2.12	+/-5	U	10.0	P	06/06/2025	15:00	LB136052
	Lead	2.30	+/-6	U	12.0	P	06/06/2025	15:00	LB136052
	Selenium	9.64	+/-10	U	20.0	P	06/06/2025	15:00	LB136052
	Silver	1.62	+/-5	U	10.0	P	06/06/2025	15:00	LB136052
CCB03	Arsenic	5.12	+/-10	U	20.0	P	06/06/2025	15:57	LB136052
	Barium	14.6	+/-50	U	100	P	06/06/2025	15:57	LB136052
	Cadmium	0.50	+/-3	U	6.00	P	06/06/2025	15:57	LB136052
	Chromium	2.12	+/-5	U	10.0	P	06/06/2025	15:57	LB136052
	Lead	2.30	+/-6	U	12.0	P	06/06/2025	15:57	LB136052
	Selenium	9.64	+/-10	U	20.0	P	06/06/2025	15:57	LB136052
	Silver	1.62	+/-5	U	10.0	P	06/06/2025	15:57	LB136052
CCB04	Arsenic	5.12	+/-10	U	20.0	P	06/06/2025	16:51	LB136052
	Barium	14.6	+/-50	U	100	P	06/06/2025	16:51	LB136052
	Cadmium	0.50	+/-3	U	6.00	P	06/06/2025	16:51	LB136052
	Chromium	2.12	+/-5	U	10.0	P	06/06/2025	16:51	LB136052
	Lead	2.30	+/-6	U	12.0	P	06/06/2025	16:51	LB136052
	Selenium	9.64	+/-10	U	20.0	P	06/06/2025	16:51	LB136052
	Silver	1.62	+/-5	U	10.0	P	06/06/2025	16:51	LB136052
CCB05	Arsenic	5.12	+/-10	U	20.0	P	06/06/2025	17:46	LB136052
	Barium	14.6	+/-50	U	100	P	06/06/2025	17:46	LB136052
	Cadmium	0.50	+/-3	U	6.00	P	06/06/2025	17:46	LB136052
	Chromium	2.12	+/-5	U	10.0	P	06/06/2025	17:46	LB136052
	Lead	2.30	+/-6	U	12.0	P	06/06/2025	17:46	LB136052
	Selenium	9.64	+/-10	U	20.0	P	06/06/2025	17:46	LB136052
	Silver	1.62	+/-5	U	10.0	P	06/06/2025	17:46	LB136052
CCB06	Arsenic	5.12	+/-10	U	20.0	P	06/07/2025	03:07	LB136052
	Barium	14.6	+/-50	U	100	P	06/07/2025	03:07	LB136052
	Cadmium	0.50	+/-3	U	6.00	P	06/07/2025	03:07	LB136052
	Chromium	2.12	+/-5	U	10.0	P	06/07/2025	03:07	LB136052



- 3a -

Client:	Portal Partners Tri-Venture			SDG No.:	Q2198
Contract:	PORT06	Lab Code:	CHEM	Case No.:	Q2198
				SAS No.:	Q2198

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	06/07/2025	03:07	LB136052
	Selenium	9.64	+/-10	U	20.0	P	06/07/2025	03:07	LB136052
	Silver	1.62	+/-5	U	10.0	P	06/07/2025	03:07	LB136052
CCB07	Arsenic	5.12	+/-10	U	20.0	P	06/07/2025	03:44	LB136052
	Barium	14.6	+/-50	U	100	P	06/07/2025	03:44	LB136052
	Cadmium	0.50	+/-3	U	6.00	P	06/07/2025	03:44	LB136052
	Chromium	2.12	+/-5	U	10.0	P	06/07/2025	03:44	LB136052
	Lead	2.30	+/-6	U	12.0	P	06/07/2025	03:44	LB136052
	Selenium	9.64	+/-10	U	20.0	P	06/07/2025	03:44	LB136052
	Silver	1.62	+/-5	U	10.0	P	06/07/2025	03:44	LB136052

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	06/09/2025	12:40	LB136071
	Barium	14.6	+/-50	U	100	P	06/09/2025	12:40	LB136071
	Cadmium	0.50	+/-3	U	6.00	P	06/09/2025	12:40	LB136071
	Chromium	2.12	+/-5	U	10.0	P	06/09/2025	12:40	LB136071
	Lead	2.30	+/-6	U	12.0	P	06/09/2025	12:40	LB136071
	Selenium	9.64	+/-10	U	20.0	P	06/09/2025	12:40	LB136071
	Silver	1.62	+/-5	U	10.0	P	06/09/2025	12:40	LB136071

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q2198							
Contract: PORT06	Lab Code: CHEM	Case No.: Q2198	SAS No.: Q2198						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	06/09/2025	13:11	LB136071
	Barium	14.6	+/-50	U	100	P	06/09/2025	13:11	LB136071
	Cadmium	0.50	+/-3	U	6.00	P	06/09/2025	13:11	LB136071
	Chromium	2.12	+/-5	U	10.0	P	06/09/2025	13:11	LB136071
	Lead	2.30	+/-6	U	12.0	P	06/09/2025	13:11	LB136071
	Selenium	9.64	+/-10	U	20.0	P	06/09/2025	13:11	LB136071
	Silver	1.62	+/-5	U	10.0	P	06/09/2025	13:11	LB136071
CCB02	Arsenic	5.12	+/-10	U	20.0	P	06/09/2025	13:57	LB136071
	Barium	14.6	+/-50	U	100	P	06/09/2025	13:57	LB136071
	Cadmium	0.50	+/-3	U	6.00	P	06/09/2025	13:57	LB136071
	Chromium	2.12	+/-5	U	10.0	P	06/09/2025	13:57	LB136071
	Lead	2.30	+/-6	U	12.0	P	06/09/2025	13:57	LB136071
	Selenium	9.64	+/-10	U	20.0	P	06/09/2025	13:57	LB136071
	Silver	1.62	+/-5	U	10.0	P	06/09/2025	13:57	LB136071
CCB03	Arsenic	5.12	+/-10	U	20.0	P	06/09/2025	14:43	LB136071
	Barium	14.6	+/-50	U	100	P	06/09/2025	14:43	LB136071
	Cadmium	0.50	+/-3	U	6.00	P	06/09/2025	14:43	LB136071
	Chromium	2.12	+/-5	U	10.0	P	06/09/2025	14:43	LB136071
	Lead	2.30	+/-6	U	12.0	P	06/09/2025	14:43	LB136071
	Selenium	9.64	+/-10	U	20.0	P	06/09/2025	14:43	LB136071
	Silver	1.62	+/-5	U	10.0	P	06/09/2025	14:43	LB136071
CCB04	Arsenic	5.12	+/-10	U	20.0	P	06/09/2025	15:39	LB136071
	Barium	14.6	+/-50	U	100	P	06/09/2025	15:39	LB136071
	Cadmium	0.50	+/-3	U	6.00	P	06/09/2025	15:39	LB136071
	Chromium	2.12	+/-5	U	10.0	P	06/09/2025	15:39	LB136071
	Lead	2.30	+/-6	U	12.0	P	06/09/2025	15:39	LB136071
	Selenium	9.64	+/-10	U	20.0	P	06/09/2025	15:39	LB136071
	Silver	1.62	+/-5	U	10.0	P	06/09/2025	15:39	LB136071
CCB05	Arsenic	5.12	+/-10	U	20.0	P	06/09/2025	16:27	LB136071
	Barium	14.6	+/-50	U	100	P	06/09/2025	16:27	LB136071
	Cadmium	0.50	+/-3	U	6.00	P	06/09/2025	16:27	LB136071
	Chromium	2.12	+/-5	U	10.0	P	06/09/2025	16:27	LB136071
	Lead	2.30	+/-6	U	12.0	P	06/09/2025	16:27	LB136071
	Selenium	9.64	+/-10	U	20.0	P	06/09/2025	16:27	LB136071
	Silver	1.62	+/-5	U	10.0	P	06/09/2025	16:27	LB136071

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q2198

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168271TB		WATER		Batch Number:	PB168316		Prep Date:	06/05/2025	
	Mercury	0.76	<2	U	2.00	CV	06/06/2025	12:11	LB136036
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168316BL		WATER		Batch Number:	PB168316		Prep Date:	06/05/2025	
	Mercury	0.076	<0.2	U	0.20	CV	06/06/2025	10:19	LB136036

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q2198

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168271TB		WATER		Batch Number:		PB168307		Prep Date: 06/05/2025	
	Arsenic	25.6	<50	U	100	P	06/06/2025	15:10	LB136052
	Barium	72.8	<250	U	500	P	06/06/2025	15:10	LB136052
	Cadmium	2.50	<15	U	30.0	P	06/06/2025	15:10	LB136052
	Chromium	10.6	<25	U	50.0	P	06/06/2025	15:10	LB136052
	Lead	11.5	<30	U	60.0	P	06/06/2025	15:10	LB136052
	Selenium	48.2	<50	U	100	P	06/06/2025	15:10	LB136052
	Silver	8.10	<25	U	50.0	P	06/06/2025	15:10	LB136052
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168307BL		WATER		Batch Number:		PB168307		Prep Date: 06/05/2025	
	Arsenic	25.6	<50	U	100	P	06/06/2025	14:39	LB136052
	Barium	72.8	<250	U	500	P	06/06/2025	14:39	LB136052
	Cadmium	2.50	<15	U	30.0	P	06/06/2025	14:39	LB136052
	Chromium	10.6	<25	U	50.0	P	06/06/2025	14:39	LB136052
	Lead	11.5	<30	U	60.0	P	06/06/2025	14:39	LB136052
	Selenium	48.2	<50	U	100	P	06/06/2025	14:39	LB136052
	Silver	8.10	<25	U	50.0	P	06/06/2025	14:39	LB136052



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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
ICV29	Mercury	3.69	4.0	92	90 - 110	CV	06/06/2025	10:03	LB136036

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198

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
CCV08	Mercury	4.74	5.0	95	90 - 110	CV	06/06/2025	10:07	LB136036
CCV09	Mercury	4.88	5.0	98	90 - 110	CV	06/06/2025	10:37	LB136036
CCV10	Mercury	4.71	5.0	94	90 - 110	CV	06/06/2025	11:04	LB136036
CCV11	Mercury	4.55	5.0	91	90 - 110	CV	06/06/2025	11:41	LB136036
CCV12	Mercury	4.77	5.0	96	90 - 110	CV	06/06/2025	12:06	LB136036
CCV13	Mercury	5.10	5.0	102	90 - 110	CV	06/06/2025	12:33	LB136036

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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	1010	1000	101	90 - 110	P	06/06/2025	13:16	LB136052
	Barium	507	520	98	90 - 110	P	06/06/2025	13:16	LB136052
	Cadmium	502	510	98	90 - 110	P	06/06/2025	13:16	LB136052
	Chromium	522	520	100	90 - 110	P	06/06/2025	13:16	LB136052
	Lead	980	1000	98	90 - 110	P	06/06/2025	13:16	LB136052
	Selenium	998	1000	100	90 - 110	P	06/06/2025	13:16	LB136052
	Silver	243	250	97	90 - 110	P	06/06/2025	13:16	LB136052

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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	21.6	20.0	108	80 - 120	P	06/06/2025	13:29	LB136052
	Barium	92.0	100	92	80 - 120	P	06/06/2025	13:29	LB136052
	Cadmium	6.02	6.0	100	80 - 120	P	06/06/2025	13:29	LB136052
	Chromium	9.45	10.0	94	80 - 120	P	06/06/2025	13:29	LB136052
	Lead	13.9	12.0	116	80 - 120	P	06/06/2025	13:29	LB136052
	Selenium	22.5	20.0	112	80 - 120	P	06/06/2025	13:29	LB136052
	Silver	9.79	10.0	98	80 - 120	P	06/06/2025	13:29	LB136052

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q2198
Contract: PORT06 Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198
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	5060	5000	101	90 - 110	P	06/06/2025	14:05	LB136052
	Barium	9720	10000	97	90 - 110	P	06/06/2025	14:05	LB136052
	Cadmium	2460	2500	98	90 - 110	P	06/06/2025	14:05	LB136052
	Chromium	995	1000	100	90 - 110	P	06/06/2025	14:05	LB136052
	Lead	4910	5000	98	90 - 110	P	06/06/2025	14:05	LB136052
	Selenium	5120	5000	102	90 - 110	P	06/06/2025	14:05	LB136052
	Silver	1240	1250	99	90 - 110	P	06/06/2025	14:05	LB136052
CCV02	Arsenic	5110	5000	102	90 - 110	P	06/06/2025	14:56	LB136052
	Barium	9740	10000	97	90 - 110	P	06/06/2025	14:56	LB136052
	Cadmium	2470	2500	99	90 - 110	P	06/06/2025	14:56	LB136052
	Chromium	993	1000	99	90 - 110	P	06/06/2025	14:56	LB136052
	Lead	4960	5000	99	90 - 110	P	06/06/2025	14:56	LB136052
	Selenium	5170	5000	103	90 - 110	P	06/06/2025	14:56	LB136052
	Silver	1250	1250	100	90 - 110	P	06/06/2025	14:56	LB136052
CCV03	Arsenic	5150	5000	103	90 - 110	P	06/06/2025	15:50	LB136052
	Barium	9690	10000	97	90 - 110	P	06/06/2025	15:50	LB136052
	Cadmium	2510	2500	100	90 - 110	P	06/06/2025	15:50	LB136052
	Chromium	998	1000	100	90 - 110	P	06/06/2025	15:50	LB136052
	Lead	5000	5000	100	90 - 110	P	06/06/2025	15:50	LB136052
	Selenium	5210	5000	104	90 - 110	P	06/06/2025	15:50	LB136052
	Silver	1240	1250	99	90 - 110	P	06/06/2025	15:50	LB136052
CCV04	Arsenic	4920	5000	98	90 - 110	P	06/06/2025	16:46	LB136052
	Barium	9750	10000	98	90 - 110	P	06/06/2025	16:46	LB136052
	Cadmium	2450	2500	98	90 - 110	P	06/06/2025	16:46	LB136052
	Chromium	993	1000	99	90 - 110	P	06/06/2025	16:46	LB136052
	Lead	4890	5000	98	90 - 110	P	06/06/2025	16:46	LB136052
	Selenium	4920	5000	98	90 - 110	P	06/06/2025	16:46	LB136052
	Silver	1230	1250	98	90 - 110	P	06/06/2025	16:46	LB136052
CCV05	Arsenic	4930	5000	99	90 - 110	P	06/06/2025	17:40	LB136052
	Barium	9480	10000	95	90 - 110	P	06/06/2025	17:40	LB136052
	Cadmium	2390	2500	96	90 - 110	P	06/06/2025	17:40	LB136052
	Chromium	977	1000	98	90 - 110	P	06/06/2025	17:40	LB136052
	Lead	4810	5000	96	90 - 110	P	06/06/2025	17:40	LB136052
	Selenium	5010	5000	100	90 - 110	P	06/06/2025	17:40	LB136052

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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	06/06/2025	17:40	LB136052
CCV06	Arsenic	4390	5000	88	90 - 110	P	06/07/2025	03:03	LB136052
	Barium	9840	10000	98	90 - 110	P	06/07/2025	03:03	LB136052
	Cadmium	2300	2500	92	90 - 110	P	06/07/2025	03:03	LB136052
	Chromium	907	1000	91	90 - 110	P	06/07/2025	03:03	LB136052
	Lead	4580	5000	92	90 - 110	P	06/07/2025	03:03	LB136052
	Selenium	4340	5000	87	90 - 110	P	06/07/2025	03:03	LB136052
	Silver	1120	1250	90	90 - 110	P	06/07/2025	03:03	LB136052
CCV07	Arsenic	4400	5000	88	90 - 110	P	06/07/2025	03:40	LB136052
	Barium	10300	10000	103	90 - 110	P	06/07/2025	03:40	LB136052
	Cadmium	2330	2500	93	90 - 110	P	06/07/2025	03:40	LB136052
	Chromium	951	1000	95	90 - 110	P	06/07/2025	03:40	LB136052
	Lead	4630	5000	92	90 - 110	P	06/07/2025	03:40	LB136052
	Selenium	4350	5000	87	90 - 110	P	06/07/2025	03:40	LB136052
	Silver	1180	1250	95	90 - 110	P	06/07/2025	03:40	LB136052

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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	964	1000	96	90 - 110	P	06/09/2025	12:31	LB136071
	Barium	477	520	92	90 - 110	P	06/09/2025	12:31	LB136071
	Cadmium	472	510	93	90 - 110	P	06/09/2025	12:31	LB136071
	Chromium	504	520	97	90 - 110	P	06/09/2025	12:31	LB136071
	Lead	927	1000	93	90 - 110	P	06/09/2025	12:31	LB136071
	Selenium	947	1000	95	90 - 110	P	06/09/2025	12:31	LB136071
	Silver	256	250	102	90 - 110	P	06/09/2025	12:31	LB136071

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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	18.9	20.0	95	80 - 120	P	06/09/2025	12:36	LB136071
	Barium	93.5	100	94	80 - 120	P	06/09/2025	12:36	LB136071
	Cadmium	5.83	6.0	97	80 - 120	P	06/09/2025	12:36	LB136071
	Chromium	9.51	10.0	95	80 - 120	P	06/09/2025	12:36	LB136071
	Lead	13.3	12.0	111	80 - 120	P	06/09/2025	12:36	LB136071
	Selenium	17.9	20.0	89	80 - 120	P	06/09/2025	12:36	LB136071
	Silver	9.82	10.0	98	80 - 120	P	06/09/2025	12:36	LB136071

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198

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	5000	5000	100	90 - 110	P	06/09/2025	13:06	LB136071
	Barium	9520	10000	95	90 - 110	P	06/09/2025	13:06	LB136071
	Cadmium	2440	2500	98	90 - 110	P	06/09/2025	13:06	LB136071
	Chromium	997	1000	100	90 - 110	P	06/09/2025	13:06	LB136071
	Lead	4900	5000	98	90 - 110	P	06/09/2025	13:06	LB136071
	Selenium	5060	5000	101	90 - 110	P	06/09/2025	13:06	LB136071
	Silver	1250	1250	100	90 - 110	P	06/09/2025	13:06	LB136071
CCV02	Arsenic	4990	5000	100	90 - 110	P	06/09/2025	13:53	LB136071
	Barium	9530	10000	95	90 - 110	P	06/09/2025	13:53	LB136071
	Cadmium	2440	2500	98	90 - 110	P	06/09/2025	13:53	LB136071
	Chromium	987	1000	99	90 - 110	P	06/09/2025	13:53	LB136071
	Lead	4900	5000	98	90 - 110	P	06/09/2025	13:53	LB136071
	Selenium	5060	5000	101	90 - 110	P	06/09/2025	13:53	LB136071
	Silver	1230	1250	99	90 - 110	P	06/09/2025	13:53	LB136071
CCV03	Arsenic	4930	5000	98	90 - 110	P	06/09/2025	14:39	LB136071
	Barium	9250	10000	92	90 - 110	P	06/09/2025	14:39	LB136071
	Cadmium	2390	2500	96	90 - 110	P	06/09/2025	14:39	LB136071
	Chromium	958	1000	96	90 - 110	P	06/09/2025	14:39	LB136071
	Lead	4800	5000	96	90 - 110	P	06/09/2025	14:39	LB136071
	Selenium	5010	5000	100	90 - 110	P	06/09/2025	14:39	LB136071
	Silver	1200	1250	96	90 - 110	P	06/09/2025	14:39	LB136071
CCV04	Arsenic	4800	5000	96	90 - 110	P	06/09/2025	15:34	LB136071
	Barium	9450	10000	94	90 - 110	P	06/09/2025	15:34	LB136071
	Cadmium	2330	2500	93	90 - 110	P	06/09/2025	15:34	LB136071
	Chromium	961	1000	96	90 - 110	P	06/09/2025	15:34	LB136071
	Lead	4700	5000	94	90 - 110	P	06/09/2025	15:34	LB136071
	Selenium	4870	5000	97	90 - 110	P	06/09/2025	15:34	LB136071
	Silver	1210	1250	97	90 - 110	P	06/09/2025	15:34	LB136071
CCV05	Arsenic	4780	5000	96	90 - 110	P	06/09/2025	16:23	LB136071
	Barium	9510	10000	95	90 - 110	P	06/09/2025	16:23	LB136071
	Cadmium	2350	2500	94	90 - 110	P	06/09/2025	16:23	LB136071
	Chromium	953	1000	95	90 - 110	P	06/09/2025	16:23	LB136071
	Lead	4730	5000	95	90 - 110	P	06/09/2025	16:23	LB136071
	Selenium	4840	5000	97	90 - 110	P	06/09/2025	16:23	LB136071

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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	1190	1250	95	90 - 110	P	06/09/2025	16:23	LB136071



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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	0.21	0.2	107	70 - 130	CV	06/06/2025	10:12	LB136036
CRI01	Arsenic	21.3	20.0	107	65 - 135	P	06/06/2025	13:37	LB136052
	Barium	91.8	100	92	65 - 135	P	06/06/2025	13:37	LB136052
	Cadmium	5.92	6.0	99	65 - 135	P	06/06/2025	13:37	LB136052
	Chromium	9.75	10.0	98	65 - 135	P	06/06/2025	13:37	LB136052
	Lead	13.8	12.0	115	65 - 135	P	06/06/2025	13:37	LB136052
	Selenium	19.7	20.0	98	65 - 135	P	06/06/2025	13:37	LB136052
	Silver	10.1	10.0	101	65 - 135	P	06/06/2025	13:37	LB136052
CRI01	Arsenic	19.0	20.0	95	65 - 135	P	06/09/2025	12:44	LB136071
	Barium	91.7	100	92	65 - 135	P	06/09/2025	12:44	LB136071
	Cadmium	5.74	6.0	96	65 - 135	P	06/09/2025	12:44	LB136071
	Chromium	9.13	10.0	91	65 - 135	P	06/09/2025	12:44	LB136071
	Lead	12.3	12.0	103	65 - 135	P	06/09/2025	12:44	LB136071
	Selenium	18.5	20.0	93	65 - 135	P	06/09/2025	12:44	LB136071
	Silver	9.51	10.0	95	65 - 135	P	06/09/2025	12:44	LB136071

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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	4.57			-20	20	06/06/2025	13:42	LB136052
	Barium	1.92	6.0	32	-94	106	06/06/2025	13:42	LB136052
	Cadmium	2.20	1.0	220	-5	7	06/06/2025	13:42	LB136052
	Chromium	45.0	52.0	86	42	62	06/06/2025	13:42	LB136052
	Lead	2.11			-12	12	06/06/2025	13:42	LB136052
	Selenium	0.16			-20	20	06/06/2025	13:42	LB136052
	Silver	0.046			-10	10	06/06/2025	13:42	LB136052
ICSAB01	Arsenic	106	104	102	88.4	120	06/06/2025	13:46	LB136052
	Barium	477	537	89	437	637	06/06/2025	13:46	LB136052
	Cadmium	970	972	100	826	1120	06/06/2025	13:46	LB136052
	Chromium	545	542	101	460	624	06/06/2025	13:46	LB136052
	Lead	47.1	49.0	96	37	61	06/06/2025	13:46	LB136052
	Selenium	42.7	46.0	93	26	66	06/06/2025	13:46	LB136052
	Silver	213	201	106	170	232	06/06/2025	13:46	LB136052
ICSA01	Arsenic	1.84			-20	20	06/09/2025	12:48	LB136071
	Barium	3.38	6.0	56	-94	106	06/09/2025	12:48	LB136071
	Cadmium	0.56	1.0	56	-5	7	06/09/2025	12:48	LB136071
	Chromium	44.9	52.0	86	42	62	06/09/2025	12:48	LB136071
	Lead	-4.92			-12	12	06/09/2025	12:48	LB136071
	Selenium	-6.19			-20	20	06/09/2025	12:48	LB136071
	Silver	-0.39			-10	10	06/09/2025	12:48	LB136071
ICSAB01	Arsenic	103	104	99	88.4	120	06/09/2025	12:54	LB136071
	Barium	491	537	91	437	637	06/09/2025	12:54	LB136071
	Cadmium	962	972	99	826	1120	06/09/2025	12:54	LB136071
	Chromium	541	542	100	460	624	06/09/2025	12:54	LB136071
	Lead	40.2	49.0	82	37	61	06/09/2025	12:54	LB136071
	Selenium	31.4	46.0	68	26	66	06/09/2025	12:54	LB136071
	Silver	213	201	106	170	232	06/09/2025	12:54	LB136071



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q2198</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q2198</u> sas no.: <u>Q2198</u>
matrix: <u>Water</u>	sample id: <u>Q2208-36</u>	client id: <u>BU-703-COMP-09MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2208-36MS</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	3850		100	U	4000	96		P
Barium	ug/L	75 - 125	2090		1050		1000	104		P
Cadmium	ug/L	75 - 125	981		30.0	U	1000	98		P
Chromium	ug/L	75 - 125	1950		14.6	J	2000	97		P
Lead	ug/L	75 - 125	4660		14.2	J	5000	93		P
Mercury	ug/L	75 - 125	41.2		2.00	U	40.0	103		CV
Selenium	ug/L	75 - 125	9560		100	U	10000	96		P
Silver	ug/L	75 - 125	331		50.0	U	380	87		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q2198</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q2198</u> sas no.: <u>Q2198</u>
matrix: <u>Water</u>	sample id: <u>Q2208-36</u>	client id: <u>BU-703-COMP-09MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2208-36MSD</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	3830		100	U	4000	96		P
Barium	ug/L	75 - 125	1980		1050		1000	93		P
Cadmium	ug/L	75 - 125	951		30.0	U	1000	95		P
Chromium	ug/L	75 - 125	1940		14.6	J	2000	96		P
Lead	ug/L	75 - 125	4560		14.2	J	5000	91		P
Mercury	ug/L	75 - 125	41.0		2.00	U	40.0	102		CV
Selenium	ug/L	75 - 125	9570		100	U	10000	96		P
Silver	ug/L	75 - 125	347		50.0	U	380	91		P

Metals
- 5b -

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
Matrix: **Level:** LOW **Client ID:**
Sample ID: **Spiked ID:**

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
Matrix: Water **Sample ID:** Q2208-36 **Client ID:** BU-703-COMP-09DUP
Percent Solids for Sample: NA **Duplicate ID** Q2208-36DUP **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	1050		872		19		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	14.6	J	14.4	J	1		P
Lead	ug/L	20	14.2	J	60.0	U	200.0		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

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
Matrix: Water **Sample ID:** Q2208-36MS **Client ID:** BU-703-COMP-09MSD
Percent Solids for Sample: NA **Duplicate ID** Q2208-36MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3850		3830		1		P
Barium	ug/L	20	2090		1980		5		P
Cadmium	ug/L	20	981		951		3		P
Chromium	ug/L	20	1950		1940		1		P
Lead	ug/L	20	4660		4560		2		P
Mercury	ug/L	20	41.2		41.0		0		CV
Selenium	ug/L	20	9560		9570		0		P
Silver	ug/L	20	331		347		5		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168307BS							
Arsenic	ug/L	4000	4100		102	80 - 120	P
Barium	ug/L	1000	970		97	80 - 120	P
Cadmium	ug/L	1000	1020		102	80 - 120	P
Chromium	ug/L	2000	2090		104	80 - 120	P
Lead	ug/L	5000	4990		100	80 - 120	P
Selenium	ug/L	10000	10400		104	80 - 120	P
Silver	ug/L	380	376		99	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q2198

Contract: PORT06

Lab Code: CHEM

Case No.: Q2198

SAS No.: Q2198

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168316BS Mercury	ug/L	4.0	3.75		94	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

BU-703-COMP-09L

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM **Lb No.:** lb136071

Lab Sample ID : Q2208-36L **SDG No.:** Q2198

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Arsenic	100	U	500	U			P
Barium	1050		931	J	11		P
Cadmium	30.0	U	150	U			P
Chromium	14.6	J	250	U	100.0		P
Lead	14.2	J	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
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2198 **Sas no.:** Q2198 **Sdg no.:** Q2198

Instrument id number: **Method:** **Run number:** LB136036

Start date: 06/06/2025 **End date:** 06/06/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0948	HG
S0.2	S0.2	1	0950	HG
S2.5	S2.5	1	0953	HG
S5	S5	1	0955	HG
S7.5	S7.5	1	0957	HG
S10	S10	1	1000	HG
ICV29	ICV29	1	1003	HG
ICB29	ICB29	1	1005	HG
CCV08	CCV08	1	1007	HG
CCB08	CCB08	1	1010	HG
CRA	CRA	1	1012	HG
PB168316BL	PB168316BL	1	1019	HG
PB168316BS	PB168316BS	1	1024	HG
Q2198-02	B-202-SB02	1	1033	HG
Q2198-04	B-207-SB02	1	1035	HG
CCV09	CCV09	1	1037	HG
CCB09	CCB09	1	1040	HG
CCV10	CCV10	1	1104	HG
CCB10	CCB10	1	1107	HG
Q2208-36DUP	BU-703-COMP-09DUP	1	1109	HG
Q2208-36MS	BU-703-COMP-09MS	1	1111	HG
Q2208-36MSD	BU-703-COMP-09MSD	1	1114	HG
CCV11	CCV11	1	1141	HG
CCB11	CCB11	1	1143	HG
CCV12	CCV12	1	1206	HG
CCB12	CCB12	1	1208	HG
PB168271TB	PB168271TB	1	1211	HG
Q2208-36L	BU-703-COMP-09L	5	1213	HG
CCV13	CCV13	1	1233	HG
CCB13	CCB13	1	1235	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2198 **Sas no.:** Q2198 **Sdg no.:** Q2198

Instrument id number: **Method:** **Run number:** LB136052

Start date: 06/06/2025 **End date:** 06/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1250	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1254	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1259	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1303	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1307	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1312	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1316	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1329	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1333	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1337	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1342	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1346	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1409	Ag,As,Ba,Cd,Cr,Pb,Se
PB168307BL	PB168307BL	1	1439	Ag,As,Ba,Cd,Cr,Pb,Se
PB168307BS	PB168307BS	1	1443	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1456	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1500	Ag,As,Ba,Cd,Cr,Pb,Se
PB168271TB	PB168271TB	1	1510	Ag,As,Ba,Cd,Cr,Pb,Se
Q2198-02	B-202-SB02	1	1528	Ag,As,Ba,Cd,Cr,Pb,Se
Q2198-04	B-207-SB02	1	1533	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1550	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1557	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1646	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1651	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1740	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1746	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	0303	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	0307	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	0340	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	0344	Ag,As,Ba,Cd,Cr,Pb,Se

metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q2198 **Sas no.:** Q2198 **Sdg no.:** Q2198

Instrument id number: **Method:** **Run number:** LB136071

Start date: 06/09/2025 **End date:** 06/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1153	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1157	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1202	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1206	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1210	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1214	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1231	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1236	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1240	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1244	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1248	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1254	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1306	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1311	Ag,As,Ba,Cd,Cr,Pb,Se
Q2208-36DUP	BU-703-COMP-09DUP	1	1344	Ag,As,Ba,Cd,Cr,Pb,Se
Q2208-36L	BU-703-COMP-09L	5	1349	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1353	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1357	Ag,As,Ba,Cd,Cr,Pb,Se
Q2208-36MS	BU-703-COMP-09MS	1	1402	Ag,As,Ba,Cd,Cr,Pb,Se
Q2208-36MSD	BU-703-COMP-09MSD	1	1406	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1439	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1443	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1534	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1539	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1623	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1627	Ag,As,Ba,Cd,Cr,Pb,Se



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2198

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198

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: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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: Portal Partners Tri-Venture **SDG No.:** Q2198
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2198 **SAS No.:** Q2198
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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q2198

Contract: PORT06

Lab Code: CHEM

Case No.: Q2198

SAS No.: Q2198

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:	Q2198	OrderDate:	6/3/2025 2:31:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	N22,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2198-01	B-202-SB02	SOIL			05/31/25			06/03/25
			Mercury	7471B		06/04/25	06/04/25	
			Metals ICP-TAL	6010D		06/04/25	06/05/25	
Q2198-02	B-202-SB02	TCLP			05/31/25			06/03/25
			TCLP ICP Metals	6010D		06/05/25	06/06/25	
			TCLP Mercury	7470A		06/05/25	06/06/25	
Q2198-03	B-207-SB02	SOIL			06/01/25			06/03/25
			Mercury	7471B		06/04/25	06/04/25	
			Metals ICP-TAL	6010D		06/04/25	06/05/25	
Q2198-04	B-207-SB02	TCLP			06/01/25			06/03/25
			TCLP ICP Metals	6010D		06/05/25	06/06/25	
			TCLP Mercury	7470A		06/05/25	06/06/25	
Q2198-05	B-202-GW01	Water			05/31/25			06/03/25
			Metals ICP-TAL	6010D		06/04/25	06/04/25	
			Mercury	7470A		06/05/25	06/06/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>Q2198</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2198</u>
		SAS No.:	<u>Q2198</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168307							
PB168271TB	PB168271TB	MB	WATER	06/05/2025	5.0	25.0	
PB168307BL	PB168307BL	MB	WATER	06/05/2025	5.0	25.0	
PB168307BS	PB168307BS	LCS	WATER	06/05/2025	5.0	25.0	
Q2198-02	B-202-SB02	SAM	WATER	06/05/2025	5.0	25.0	
Q2198-04	B-207-SB02	SAM	WATER	06/05/2025	5.0	25.0	
Q2208-36DUP	BU-703-COMP-09DUP	DUP	WATER	06/05/2025	5.0	25.0	
Q2208-36MS	BU-703-COMP-09MS	MS	WATER	06/05/2025	5.0	25.0	
Q2208-36MSD	BU-703-COMP-09MSD	MSD	WATER	06/05/2025	5.0	25.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>Q2198</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2198</u>
		SAS No.:	<u>Q2198</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168316							
PB168271TB	PB168271TB	MB	WATER	06/05/2025	3.0	30.0	
PB168316BL	PB168316BL	MB	WATER	06/05/2025	30.0	30.0	
PB168316BS	PB168316BS	LCS	WATER	06/05/2025	30.0	30.0	
Q2198-02	B-202-SB02	SAM	WATER	06/05/2025	3.0	30.0	
Q2198-04	B-207-SB02	SAM	WATER	06/05/2025	3.0	30.0	
Q2208-36DUP	BU-703-COMP-09DUP	DUP	WATER	06/05/2025	3.0	30.0	
Q2208-36MS	BU-703-COMP-09MS	MS	WATER	06/05/2025	3.0	30.0	
Q2208-36MSD	BU-703-COMP-09MSD	MSD	WATER	06/05/2025	3.0	30.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136036

Review By	MOHAN	Review On	6/6/2025 7:12:22 PM
Supervise By	jaswal	Supervise On	6/6/2025 7:13:44 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85899,MP8590,MP85901,MP85902,MP85903,MP85904		
ICV Standard	MP85905		
CCV Standard	MP85907		
ICSA Standard			
CRI Standard	MP85909		
LCS Standard			
Chk Standard	MP85906,MP85908,MP8591410,MP859		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/06/25 09:48		MOHAN	OK
2	S0.2	S0.2	CAL2	06/06/25 09:50		MOHAN	OK
3	S2.5	S2.5	CAL3	06/06/25 09:53		MOHAN	OK
4	S5	S5	CAL4	06/06/25 09:55		MOHAN	OK
5	S7.5	S7.5	CAL5	06/06/25 09:57		MOHAN	OK
6	S10	S10	CAL6	06/06/25 10:00		MOHAN	OK
7	ICV29	ICV29	ICV	06/06/25 10:03		MOHAN	OK
8	ICB29	ICB29	ICB	06/06/25 10:05		MOHAN	OK
9	CCV08	CCV08	CCV	06/06/25 10:07		MOHAN	OK
10	CCB08	CCB08	CCB	06/06/25 10:10		MOHAN	OK
11	CRA	CRA	CRDL	06/06/25 10:12		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/06/25 10:14		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/06/25 10:16		MOHAN	OK
14	PB168316BL	PB168316BL	MB	06/06/25 10:19		MOHAN	OK
15	PB168316BS	PB168316BS	LCS	06/06/25 10:24		MOHAN	OK
16	Q2192-01	SB-1	SAM	06/06/25 10:26		MOHAN	OK
17	Q2194-02	COMP-12	SAM	06/06/25 10:28		MOHAN	OK
18	Q2194-04	COMP-13	SAM	06/06/25 10:31		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136036

Review By	MOHAN	Review On	6/6/2025 7:12:22 PM
Supervise By	jaswal	Supervise On	6/6/2025 7:13:44 PM

STD. NAME	STD REF.#
ICAL Standard	MP85899,MP8590,MP85901,MP85902,MP85903,MP85904
ICV Standard	MP85905
CCV Standard	MP85907
ICSA Standard	
CRI Standard	MP85909
LCS Standard	
Chk Standard	MP85906,MP85908,MP8591410,MP859

19	Q2198-02	B-202-SB02	SAM	06/06/25 10:33		MOHAN	OK
20	Q2198-04	B-207-SB02	SAM	06/06/25 10:35		MOHAN	OK
21	CCV09	CCV09	CCV	06/06/25 10:37		MOHAN	OK
22	CCB09	CCB09	CCB	06/06/25 10:40		MOHAN	OK
23	Q2206-04	TP-1	SAM	06/06/25 10:42		MOHAN	OK
24	Q2207-09	BU-703-COMP-01	SAM	06/06/25 10:44		MOHAN	OK
25	Q2207-18	BU-703-COMP-02	SAM	06/06/25 10:46		MOHAN	OK
26	Q2207-27	BU-703-COMP-03	SAM	06/06/25 10:49		MOHAN	OK
27	Q2207-36	BU-703-COMP-04	SAM	06/06/25 10:51		MOHAN	OK
28	Q2207-45	BU-703-COMP-05	SAM	06/06/25 10:53		MOHAN	OK
29	Q2208-09	BU-703-COMP-06	SAM	06/06/25 10:55		MOHAN	OK
30	Q2208-18	BU-703-COMP-07	SAM	06/06/25 10:58		MOHAN	OK
31	Q2208-27	BU-703-COMP-08	SAM	06/06/25 11:00		MOHAN	OK
32	Q2208-36	BU-703-COMP-09	SAM	06/06/25 11:02		MOHAN	OK
33	CCV10	CCV10	CCV	06/06/25 11:04		MOHAN	OK
34	CCB10	CCB10	CCB	06/06/25 11:07		MOHAN	OK
35	Q2208-36DUP	BU-703-COMP-09DU	DUP	06/06/25 11:09		MOHAN	OK
36	Q2208-36MS	BU-703-COMP-09MS	MS	06/06/25 11:11		MOHAN	OK
37	Q2208-36MSD	BU-703-COMP-09MS	MSD	06/06/25 11:14		MOHAN	OK
38	PB168317BL	PB168317BL	MB	06/06/25 11:16		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136036

Review By	MOHAN	Review On	6/6/2025 7:12:22 PM
Supervise By	jaswal	Supervise On	6/6/2025 7:13:44 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85899,MP8590,MP85901,MP85902,MP85903,MP85904		
ICV Standard	MP85905		
CCV Standard	MP85907		
ICSA Standard			
CRI Standard	MP85909		
LCS Standard			
Chk Standard	MP85906,MP85908,MP8591410,MP859		

39	PB168317BS	PB168317BS	LCS	06/06/25 11:21		MOHAN	OK
40	Q2175-09DL	52725DL	SAM	06/06/25 11:23	10X for Straight dilution	MOHAN	OK
41	Q2198-05	B-202-GW01	SAM	06/06/25 11:25		MOHAN	OK
42	Q2210-01	TW1	SAM	06/06/25 11:28		MOHAN	OK
43	Q2216-02	3887	SAM	06/06/25 11:30		MOHAN	OK
44	Q2216-02DUP	3887DUP	DUP	06/06/25 11:32		MOHAN	OK
45	CCV11	CCV11	CCV	06/06/25 11:41		MOHAN	OK
46	CCB11	CCB11	CCB	06/06/25 11:43		MOHAN	OK
47	Q2216-02MS	3887MS	MS	06/06/25 11:48		MOHAN	OK
48	Q2216-02MSD	3887MSD	MSD	06/06/25 11:50		MOHAN	OK
49	Q2216-03	3888	SAM	06/06/25 11:52		MOHAN	OK
50	Q2216-04	3864	SAM	06/06/25 11:55		MOHAN	OK
51	Q2216-05	3865	SAM	06/06/25 11:57		MOHAN	OK
52	Q2216-06	3851	SAM	06/06/25 11:59		MOHAN	OK
53	Q2218-03	3309	SAM	06/06/25 12:01		MOHAN	OK
54	Q2221-02	34900	SAM	06/06/25 12:04		MOHAN	OK
55	CCV12	CCV12	CCV	06/06/25 12:06		MOHAN	OK
56	CCB12	CCB12	CCB	06/06/25 12:08		MOHAN	OK
57	PB168271TB	PB168271TB	MB	06/06/25 12:11		MOHAN	OK
58	Q2208-36L	BU-703-COMP-09L	SD	06/06/25 12:13		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136036

Review By	MOHAN	Review On	6/6/2025 7:12:22 PM
Supervise By	jaswal	Supervise On	6/6/2025 7:13:44 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85899,MP8590,MP85901,MP85902,MP85903,MP85904		
ICV Standard	MP85905		
CCV Standard	MP85907		
ICSA Standard			
CRI Standard	MP85909		
LCS Standard			
Chk Standard	MP85906,MP85908,MP8591410,MP859		

59	Q2208-36A	BU-703-COMP-09A	PS	06/06/25 12:20		MOHAN	OK
60	Q2216-02L	3887L	SD	06/06/25 12:22		MOHAN	OK
61	Q2216-02A	3887A	PS	06/06/25 12:24		MOHAN	OK
62	CCV13	CCV13	CCV	06/06/25 12:33		MOHAN	OK
63	CCB13	CCB13	CCB	06/06/25 12:35		MOHAN	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136052

Review By	Janvi	Review On	6/9/2025 3:49:01 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:57:27 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/06/25 12:50		Jaswal	OK
2	S1	S1	CAL2	06/06/25 12:54		Jaswal	OK
3	S2	S2	CAL3	06/06/25 12:59		Jaswal	OK
4	S3	S3	CAL4	06/06/25 13:03		Jaswal	OK
5	S4	S4	CAL5	06/06/25 13:07		Jaswal	OK
6	S5	S5	CAL6	06/06/25 13:12		Jaswal	OK
7	ICV01	ICV01	ICV	06/06/25 13:16		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/06/25 13:29		Jaswal	OK
9	ICB01	ICB01	ICB	06/06/25 13:33		Jaswal	OK
10	CRI01	CRI01	CRDL	06/06/25 13:37		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/06/25 13:42		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/06/25 13:46		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/06/25 13:50		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/06/25 13:54		Jaswal	OK
15	CCV01	CCV01	CCV	06/06/25 14:05		Jaswal	OK
16	CCB01	CCB01	CCB	06/06/25 14:09		Jaswal	OK
17	PB168279BL	PB168279BL	MB	06/06/25 14:13		Jaswal	OK
18	PB168279BS	PB168279BS	LCS	06/06/25 14:18		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136052

Review By	Janvi	Review On	6/9/2025 3:49:01 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:57:27 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

19	PB168284BL	PB168284BL	MB	06/06/25 14:22		Jaswal	OK
20	PB168284BS	PB168284BS	LCS	06/06/25 14:26		Jaswal	OK
21	PB168302BL	PB168302BL	MB	06/06/25 14:30		Jaswal	OK
22	PB168302BS	PB168302BS	LCS	06/06/25 14:35		Jaswal	OK
23	PB168307BL	PB168307BL	MB	06/06/25 14:39		Jaswal	OK
24	PB168307BS	PB168307BS	LCS	06/06/25 14:43		Jaswal	OK
25	Q2237-02	TW-WTS-10	SAM	06/06/25 14:47		Jaswal	OK
26	PB168291BL	PB168291BL	MB	06/06/25 14:52		Jaswal	OK
27	CCV02	CCV02	CCV	06/06/25 14:56		Jaswal	OK
28	CCB02	CCB02	CCB	06/06/25 15:00		Jaswal	OK
29	PB168291BS	PB168291BS	LCS	06/06/25 15:06		Jaswal	OK
30	PB168271TB	PB168271TB	MB	06/06/25 15:10		Jaswal	OK
31	Q2192-01	SB-1	SAM	06/06/25 15:15		Jaswal	OK
32	Q2194-02	COMP-12	SAM	06/06/25 15:19		Jaswal	OK
33	Q2194-04	COMP-13	SAM	06/06/25 15:24		Jaswal	OK
34	Q2198-02	B-202-SB02	SAM	06/06/25 15:28		Jaswal	OK
35	Q2198-04	B-207-SB02	SAM	06/06/25 15:33		Jaswal	OK
36	Q2206-04	TP-1	SAM	06/06/25 15:37		Jaswal	OK
37	Q2207-09	BU-703-COMP-01	SAM	06/06/25 15:41		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136052

Review By	Janvi	Review On	6/9/2025 3:49:01 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:57:27 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

38	Q2207-18	BU-703-COMP-02	SAM	06/06/25 15:46		Jaswal	OK
39	CCV03	CCV03	CCV	06/06/25 15:50		Jaswal	OK
40	CCB03	CCB03	CCB	06/06/25 15:57		Jaswal	OK
41	Q2207-27	BU-703-COMP-03	SAM	06/06/25 16:01		Jaswal	OK
42	Q2207-36	BU-703-COMP-04	SAM	06/06/25 16:10		Jaswal	OK
43	Q2207-45	BU-703-COMP-05	SAM	06/06/25 16:15		Jaswal	OK
44	Q2208-09	BU-703-COMP-06	SAM	06/06/25 16:19		Jaswal	OK
45	Q2208-18	BU-703-COMP-07	SAM	06/06/25 16:24		Jaswal	OK
46	Q2208-27	BU-703-COMP-08	SAM	06/06/25 16:28		Jaswal	OK
47	Q2208-36	BU-703-COMP-09	SAM	06/06/25 16:33	Not Use	Jaswal	Not Ok
48	Q2206-01	TP-1	SAM	06/06/25 16:37		Jaswal	OK
49	Q2207-01	BU-703-COMP-01	SAM	06/06/25 16:41		Jaswal	OK
50	CCV04	CCV04	CCV	06/06/25 16:46		Jaswal	OK
51	CCB04	CCB04	CCB	06/06/25 16:51		Jaswal	OK
52	Q2207-10	BU-703-COMP-02	SAM	06/06/25 16:55		Jaswal	OK
53	Q2207-19	BU-703-COMP-03	SAM	06/06/25 16:59		Jaswal	OK
54	Q2207-28	BU-703-COMP-04	SAM	06/06/25 17:03		Jaswal	OK
55	Q2207-37	BU-703-COMP-05	SAM	06/06/25 17:11		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136052

Review By	Janvi	Review On	6/9/2025 3:49:01 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:57:27 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

56	Q2208-01	BU-703-COMP-06	SAM	06/06/25 17:15		Jaswal	OK
57	Q2208-10	BU-703-COMP-07	SAM	06/06/25 17:19		Jaswal	OK
58	Q2208-19	BU-703-COMP-08	SAM	06/06/25 17:23		Jaswal	OK
59	Q2208-28	BU-703-COMP-09	SAM	06/06/25 17:28		Jaswal	OK
60	Q2218-01	72-11934	SAM	06/06/25 17:32		Jaswal	OK
61	Q2218-03DL	3309DL	SAM	06/06/25 17:36	Test not on log in page	Jaswal	Not Ok
62	CCV05	CCV05	CCV	06/06/25 17:40		Jaswal	OK
63	CCB05	CCB05	CCB	06/06/25 17:46		Jaswal	OK
64	Q2223-01	HR-01-06042025	SAM	06/06/25 17:51	CCV06 Fail For Many parameters	Jaswal	Not Ok
65	Q2223-03	HR-04-06042025	SAM	06/06/25 17:55	CCV06 Fail For Many parameters	Jaswal	Not Ok
66	Q2225-01	SU-03-06042025	SAM	06/06/25 17:59	CCV06 Fail For Many parameters	Jaswal	Not Ok
67	Q2226-01	TP06-MHI-WC	SAM	06/06/25 18:03	CCV06 Fail For Many parameters	Jaswal	Not Ok
68	Q2227-01	TP07-MHH-WC	SAM	06/06/25 18:07	CCV06 Fail For Many parameters	Jaswal	Not Ok
69	Q2228-01	TP08-MHI-WC	SAM	06/06/25 19:31	CCV06 Fail For Many parameters	Jaswal	Not Ok
70	Q2208-36DUP	BU-703-COMP-09DU	DUP	06/06/25 22:54	CCV06 Fail For Many parameters	Jaswal	Not Ok
71	Q2208-36L	BU-703-COMP-09L	SD	06/07/25 01:22	CCV06 Fail For Many parameters	Jaswal	Not Ok
72	Q2208-36MS	BU-703-COMP-09MS	MS	06/07/25 02:54	CCV06 Fail For Many parameters	Jaswal	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136052

Review By	Janvi	Review On	6/9/2025 3:49:01 PM
Supervise By	jaswal	Supervise On	6/10/2025 4:57:27 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

73	CCV06	CCV06	CCV	06/07/25 03:03		Jaswal	OK
74	CCB06	CCB06	CCB	06/07/25 03:07		Jaswal	OK
75	Q2208-36MSD	BU-703-COMP-09MS	MSD	06/07/25 03:11	CCV06,07 Fail For Many parameters	Jaswal	Not Ok
76	Q2208-36A	BU-703-COMP-09A	PS	06/07/25 03:15	CCV06,07 Fail For Many parameters	Jaswal	Not Ok
77	Q2226-01DUP	TP06-MHI-WCDUP	DUP	06/07/25 03:20	CCV06,07 Fail For Many parameters	Jaswal	Not Ok
78	Q2226-01L	TP06-MHI-WCL	SD	06/07/25 03:24	CCV06,07 Fail For Many parameters	Jaswal	Not Ok
79	Q2226-01MS	TP06-MHI-WCMS	MS	06/07/25 03:28	CCV06,07 Fail For Many parameters	Jaswal	Not Ok
80	Q2226-01MSD	TP06-MHI-WCMSD	MSD	06/07/25 03:32	CCV06,07 Fail For Many parameters	Jaswal	Not Ok
81	Q2226-01A	TP06-MHI-WCA	PS	06/07/25 03:36	CCV06,07 Fail For Many parameters	Jaswal	Not Ok
82	CCV07	CCV07	CCV	06/07/25 03:40		Jaswal	OK
83	CCB07	CCB07	CCB	06/07/25 03:44		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136071

Review By	jaswal	Review On	6/10/2025 4:59:52 PM
Supervise By	MOHAN	Supervise On	6/10/2025 5:04:40 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872,MP85897		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/09/25 11:53		Jaswal	OK
2	S1	S1	CAL2	06/09/25 11:57		Jaswal	OK
3	S2	S2	CAL3	06/09/25 12:02		Jaswal	OK
4	S3	S3	CAL4	06/09/25 12:06		Jaswal	OK
5	S4	S4	CAL5	06/09/25 12:10		Jaswal	OK
6	S5	S5	CAL6	06/09/25 12:14		Jaswal	OK
7	ICV01	ICV01	ICV	06/09/25 12:31		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/09/25 12:36		Jaswal	OK
9	ICB01	ICB01	ICB	06/09/25 12:40		Jaswal	OK
10	CRI01	CRI01	CRDL	06/09/25 12:44		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/09/25 12:48		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/09/25 12:54		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/09/25 12:58		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/09/25 13:02		Jaswal	OK
15	CCV01	CCV01	CCV	06/09/25 13:06		Jaswal	OK
16	CCB01	CCB01	CCB	06/09/25 13:11		Jaswal	OK
17	Q2223-01	HR-01-06042025	SAM	06/09/25 13:15		Jaswal	OK
18	Q2223-03	HR-04-06042025	SAM	06/09/25 13:19		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136071

Review By	jaswal	Review On	6/10/2025 4:59:52 PM
Supervise By	MOHAN	Supervise On	6/10/2025 5:04:40 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872,MP85897		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

19	Q2225-01	SU-03-06042025	SAM	06/09/25 13:23		Jaswal	OK
20	Q2226-01	TP06-MHI-WC	SAM	06/09/25 13:27		Jaswal	OK
21	Q2227-01	TP07-MHH-WC	SAM	06/09/25 13:31		Jaswal	OK
22	Q2228-01	TP08-MHI-WC	SAM	06/09/25 13:36		Jaswal	OK
23	Q2208-36	BU-703-COMP-09	SAM	06/09/25 13:40		Jaswal	OK
24	Q2208-36DUP	BU-703-COMP-09DU	DUP	06/09/25 13:44		Jaswal	OK
25	Q2208-36L	BU-703-COMP-09L	SD	06/09/25 13:49		Jaswal	OK
26	CCV02	CCV02	CCV	06/09/25 13:53		Jaswal	OK
27	CCB02	CCB02	CCB	06/09/25 13:57		Jaswal	OK
28	Q2208-36MS	BU-703-COMP-09MS	MS	06/09/25 14:02		Jaswal	OK
29	Q2208-36MSD	BU-703-COMP-09MS	MSD	06/09/25 14:06		Jaswal	OK
30	Q2208-36A	BU-703-COMP-09A	PS	06/09/25 14:10	0.1ML M6004,M6013	Jaswal	OK
31	Q2226-01DUP	TP06-MHI-WCDUP	DUP	06/09/25 14:14		Jaswal	OK
32	Q2226-01L	TP06-MHI-WCL	SD	06/09/25 14:18		Jaswal	OK
33	Q2226-01MS	TP06-MHI-WCMS	MS	06/09/25 14:22		Jaswal	OK
34	Q2226-01MSD	TP06-MHI-WCMSD	MSD	06/09/25 14:26		Jaswal	OK
35	Q2226-01A	TP06-MHI-WCA	PS	06/09/25 14:30	0.1ML M6004,M6013	Jaswal	OK
36	PB168311TB	PB168311TB	MB	06/09/25 14:34		Jaswal	OK
37	CCV03	CCV03	CCV	06/09/25 14:39		Jaswal	OK
38	CCB03	CCB03	CCB	06/09/25 14:43		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136071

Review By	jaswal	Review On	6/10/2025 4:59:52 PM
Supervise By	MOHAN	Supervise On	6/10/2025 5:04:40 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872,MP85897		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

39	Q2226-04	TP06-MHI-WC	SAM	06/09/25 14:47		Jaswal	OK
40	Q2227-04	TP07-MHH-WC	SAM	06/09/25 14:52		Jaswal	OK
41	Q2228-04	TP08-MHI-WC	SAM	06/09/25 14:56		Jaswal	OK
42	Q2235-03	WC-A2-08-C	SAM	06/09/25 15:01		Jaswal	OK
43	Q2236-03	WC-A4-05A-C	SAM	06/09/25 15:05		Jaswal	OK
44	Q2236-07	WC-A2-04-C	SAM	06/09/25 15:10		Jaswal	OK
45	Q2236-11	WC-A2-05-C	SAM	06/09/25 15:15		Jaswal	OK
46	Q2236-15	WC-A2-06-C	SAM	06/09/25 15:20		Jaswal	OK
47	Q2236-19	WC-A2-07-C	SAM	06/09/25 15:24		Jaswal	OK
48	CCV04	CCV04	CCV	06/09/25 15:34		Jaswal	OK
49	CCB04	CCB04	CCB	06/09/25 15:39		Jaswal	OK
50	Q2240-04	TP-3	SAM	06/09/25 15:44		Jaswal	OK
51	Q2240-08	TP-2	SAM	06/09/25 15:48		Jaswal	OK
52	Q2240-12	TP-1	SAM	06/09/25 15:52		Jaswal	OK
53	Q2241-04	TP-N	SAM	06/09/25 15:57		Jaswal	OK
54	Q2241-08	TP-S	SAM	06/09/25 16:01		Jaswal	OK
55	Q2242-04	TP09-MHJ	SAM	06/09/25 16:06	NOT USE	Jaswal	Not Ok
56	Q2242-04DUP	TP09-MHJDUP	DUP	06/09/25 16:10	NOT USE	Jaswal	Not Ok
57	Q2242-04L	TP09-MHJL	SD	06/09/25 16:15	NOT USE	Jaswal	Not Ok
58	Q2242-04MS	TP09-MHJMS	MS	06/09/25 16:19	NOT USE	Jaswal	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136071

Review By	jaswal	Review On	6/10/2025 4:59:52 PM
Supervise By	MOHAN	Supervise On	6/10/2025 5:04:40 PM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872,MP85897		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

59	CCV05	CCV05	CCV	06/09/25 16:23		Jaswal	OK
60	CCB05	CCB05	CCB	06/09/25 16:27		Jaswal	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 #3 2. N/A

Start Digest Date: 06/05/2025 Time : 12:30 Temp : 96 °C

End Digest Date: 06/05/2025 Time : 15:32 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SLB*

Supervisor Signature: *SS*

Temp : 1. 96°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6016
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	MP85156
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 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/05/25 16:32	<i>SLB, met. dig</i>	<i>SS (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
PB168271TB	PB168271TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	13
PB168307BL	PBW307	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	14
PB168307BS	LCS307	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	15
Q2192-01	SB-1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	16
Q2194-02	COMP-12	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	17
Q2194-04	COMP-13	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	18
Q2198-02	B-202-SB02	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	19
Q2198-04	B-207-SB01	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	20
Q2206-04	TP-1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	21
Q2207-09	BU-703-COMP-01	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	22
Q2207-18	BU-703-COMP-02	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	23
Q2207-27	BU-703-COMP-03	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	24
Q2207-36	BU-703-COMP-04	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	25
Q2207-45	BU-703-COMP-05	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	26
Q2208-09	BU-703-COMP-06	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	27
Q2208-18	BU-703-COMP-07	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	28
Q2208-27	BU-703-COMP-08	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	29
Q2208-36	BU-703-COMP-09	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	30
Q2208-36MS	BU-703-COMP-09MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	32
Q2208-36MSD	BU-703-COMP-09MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6016	33
Q2208-36DUP	BU-703-COMP-09DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	31

SOP ID : M7470A-Mercury-20

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: 06/05/2025 Time : 14:05 Temp : 95 °C

End Digest Date: 06/05/2025 Time : 16:05 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 95°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP859
CCV	30mL	MP85907
CRA	30mL	MP85909
Blank Spike	0.48mL	MP85898
Matrix Spike	0.48mL	MP85898

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
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	MP85899
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85900
2.5 ppb	S2.5	30mL	MP85901
5.0 ppb	S5.0	30mL	MP85902
7.5 ppb	S7.5	30mL	MP85903
10.0 ppb	S10.0	30mL	MP85904
ICV	ICV	30mL	MP85905
ICB	ICB	30mL	MP85906
CCV	CCV	30mL	MP85907
CCB	CCB	30mL	MP85908
CRI	CRI	30mL	MP85909
CHK STD	CHK STD	30mL	MP85910

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/5/25 @ 16:40	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
PB168271TB	PB168271TB	3	30	<2	N/A	3-1
PB168316BL	PBW316	30	30	<2	N/A	2
PB168316BS	LCS316	30	30	<2	MP85898	3
Q2192-01	SB-1	3	30	<2	N/A	4
Q2194-02	COMP-12	3	30	<2	N/A	5
Q2194-04	COMP-13	3	30	<2	N/A	6
Q2198-02	B-202-SB02	3	30	<2	N/A	7
Q2198-04	B-207-SB02	3	30	<2	N/A	8
Q2206-04	TP-1	3	30	<2	N/A	9
Q2207-09	BU-703-COMP-01	3	30	<2	N/A	10
Q2207-18	BU-703-COMP-02	3	30	<2	N/A	11
Q2207-27	BU-703-COMP-03	3	30	<2	N/A	12
Q2207-36	BU-703-COMP-04	3	30	<2	N/A	13
Q2207-45	BU-703-COMP-05	3	30	<2	N/A	14
Q2208-09	BU-703-COMP-06	3	30	<2	N/A	15
Q2208-18	BU-703-COMP-07	3	30	<2	N/A	16
Q2208-27	BU-703-COMP-08	3	30	<2	N/A	17
Q2208-36	BU-703-COMP-09	3	30	<2	N/A	18
Q2208-36DUP	BU-703-COMP-09DUP	3	30	<2	N/A	19
Q2208-36MS	BU-703-COMP-09MS	3	30	<2	MP85898	20
Q2208-36MSD	BU-703-COMP-09MSD	3	30	<2	MP85898	21

SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 06/04/2025 Time : 15:00
Welgh By :	JP	End Prep Date : 06/05/2025 Time : 09:20
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : 70 N/A
Extraction By :	JP	Initial Room Temperature: 24 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pippete ID :	WC	TCLP Technician Signature : <i>JP</i>
Tumbler ID :	T-1 / T-2	Supervisor By : <i>12</i>
TCLP Filter ID :	115525	

Standarded 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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftation and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2208-36 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Recelved By/Location
06/05/25 11:30	<i>JP</i> <i>1000 Room</i>	<i>JP</i> <i>RS</i> <i>1 EXT</i>
	Preparation Group	Analysis Group <i>10/2/25</i>

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
PB168271TB	LEB271	16	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q2192-01	SB-1	01	100.02	2000	N/A	N/A	N/A	8.2	1.0	T-1
Q2194-02	COMP-12	02	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q2194-04	COMP-13	03	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2198-02	B-202-SB02	04	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2198-04	B-207-SB01 B-207-SB02	05	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2206-04	TP-1 30	06	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2207-09	BU-703-COMP-01 06.11 ~	07	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2207-18	BU-703-COMP-02 2025	08	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2207-27	BU-703-COMP-03	09	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2207-36	BU-703-COMP-04	10	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2207-45	BU-703-COMP-05	11	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2208-09	BU-703-COMP-06	12	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2208-18	BU-703-COMP-07	13	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2208-27	BU-703-COMP-08	14	100.01	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q2208-36	BU-703-COMP-09	15	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168271TB	LEB271	N/A	N/A	N/A	N/A	N/A	N/A
Q2192-01	SB-1	N/A	N/A	N/A	N/A	100	N/A
Q2194-02	COMP-12	N/A	N/A	N/A	N/A	100	N/A
Q2194-04	COMP-13	N/A	N/A	N/A	N/A	100	N/A
Q2198-02	B-202-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2198-04	B-207-SB01 B-207-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2206-04	TP-1 <i>SB</i>	N/A	N/A	N/A	N/A	100	N/A
Q2207-09	BU-703-COMP-01 <i>16-11-2025</i>	N/A	N/A	N/A	N/A	100	N/A
Q2207-18	BU-703-COMP-02	N/A	N/A	N/A	N/A	100	N/A
Q2207-27	BU-703-COMP-03	N/A	N/A	N/A	N/A	100	N/A
Q2207-36	BU-703-COMP-04	N/A	N/A	N/A	N/A	100	N/A
Q2207-45	BU-703-COMP-05	N/A	N/A	N/A	N/A	100	N/A
Q2208-09	BU-703-COMP-06	N/A	N/A	N/A	N/A	100	N/A
Q2208-18	BU-703-COMP-07	N/A	N/A	N/A	N/A	100	N/A
Q2208-27	BU-703-COMP-08	N/A	N/A	N/A	N/A	100	N/A
Q2208-36	BU-703-COMP-09	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
PB168271TB	LEB271	N/A	N/A	N/A	N/A	#1	4.94
Q2192-01	SB-1	5.02	96.5	9.5	4.0	#1	4.94
Q2194-02	COMP-12	5.03	96.5	8.4	3.5	#1	4.94
Q2194-04	COMP-13	5.02	96.5	8.2	3.5	#1	4.94
Q2198-02	B-202-SB02	5.02	96.5	6.6	2.5	#1	4.94
Q2198-04	B-207-SB01 B-207-SB02	5.03	96.5	8.0	3.0	#1	4.94
Q2206-04	TP-1	5.02	96.5	7.6	2.5	#1	4.94
Q2207-09	BU-703-COMP-01	5.03	96.5	7.0	2.0	#1	4.94
Q2207-18	BU-703-COMP-02 06-11-2025	5.02	96.5	5.5	1.5	#1	4.94
Q2207-27	BU-703-COMP-03	5.01	96.5	6.0	2.0	#1	4.94
Q2207-36	BU-703-COMP-04	5.02	96.5	7.2	2.0	#1	4.94
Q2207-45	BU-703-COMP-05	5.03	96.5	5.5	1.5	#1	4.94
Q2208-09	BU-703-COMP-06	5.02	96.5	5.6	2.0	#1	4.94
Q2208-18	BU-703-COMP-07	5.03	96.5	5.5	1.5	#1	4.94
Q2208-27	BU-703-COMP-08	5.02	96.5	6.0	2.0	#1	4.94
Q2208-36	BU-703-COMP-09	5.01	96.5	7.0	2.5	#1	4.94