

Hit Summary Sheet SW-846

SDG No.: Q2400 **Order ID:** Q2400
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-156-SB01								
Q2400-01	B-156-SB01	SOIL	Aluminum	4700	J	0.90	5.33	mg/Kg
Q2400-01	B-156-SB01	SOIL	Antimony	2.19		0.24	2.67	mg/Kg
Q2400-01	B-156-SB01	SOIL	Arsenic	7.15		0.20	1.07	mg/Kg
Q2400-01	B-156-SB01	SOIL	Barium	49.1		0.78	5.33	mg/Kg
Q2400-01	B-156-SB01	SOIL	Beryllium	0.46		0.027	0.32	mg/Kg
Q2400-01	B-156-SB01	SOIL	Cadmium	0.48		0.026	0.32	mg/Kg
Q2400-01	B-156-SB01	SOIL	Calcium	2920		11.8	107	mg/Kg
Q2400-01	B-156-SB01	SOIL	Chromium	10.6		0.050	0.53	mg/Kg
Q2400-01	B-156-SB01	SOIL	Cobalt	8.16		0.11	1.60	mg/Kg
Q2400-01	B-156-SB01	SOIL	Copper	81.2		0.24	1.07	mg/Kg
Q2400-01	B-156-SB01	SOIL	Iron	18300		4.25	5.33	mg/Kg
Q2400-01	B-156-SB01	SOIL	Lead	97.4		0.14	0.64	mg/Kg
Q2400-01	B-156-SB01	SOIL	Magnesium	2290		12.8	107	mg/Kg
Q2400-01	B-156-SB01	SOIL	Manganese	181		0.15	1.07	mg/Kg
Q2400-01	B-156-SB01	SOIL	Mercury	0.73		0.0080	0.015	mg/Kg
Q2400-01	B-156-SB01	SOIL	Nickel	27.7		0.14	2.13	mg/Kg
Q2400-01	B-156-SB01	SOIL	Potassium	1070		29.5	107	mg/Kg
Q2400-01	B-156-SB01	SOIL	Selenium	5.70		0.28	1.07	mg/Kg
Q2400-01	B-156-SB01	SOIL	Silver	0.84		0.13	0.53	mg/Kg
Q2400-01	B-156-SB01	SOIL	Sodium	180		19.0	107	mg/Kg
Q2400-01	B-156-SB01	SOIL	Vanadium	23.5		0.27	2.13	mg/Kg
Q2400-01	B-156-SB01	SOIL	Zinc	102		0.12	2.13	mg/Kg
Client ID : B-134-SB01								
Q2400-02	B-134-SB01	SOIL	Aluminum	8720	J	0.89	5.28	mg/Kg
Q2400-02	B-134-SB01	SOIL	Antimony	1.97		0.23	2.64	mg/Kg
Q2400-02	B-134-SB01	SOIL	Arsenic	3.75		0.20	1.06	mg/Kg
Q2400-02	B-134-SB01	SOIL	Barium	74.6		0.77	5.28	mg/Kg
Q2400-02	B-134-SB01	SOIL	Beryllium	0.53		0.026	0.32	mg/Kg
Q2400-02	B-134-SB01	SOIL	Calcium	53000		11.7	106	mg/Kg
Q2400-02	B-134-SB01	SOIL	Chromium	31.3		0.050	0.53	mg/Kg
Q2400-02	B-134-SB01	SOIL	Cobalt	8.33		0.11	1.59	mg/Kg
Q2400-02	B-134-SB01	SOIL	Copper	147		0.23	1.06	mg/Kg
Q2400-02	B-134-SB01	SOIL	Iron	17900		4.22	5.28	mg/Kg
Q2400-02	B-134-SB01	SOIL	Lead	16.0		0.14	0.63	mg/Kg
Q2400-02	B-134-SB01	SOIL	Magnesium	3990		12.7	106	mg/Kg
Q2400-02	B-134-SB01	SOIL	Manganese	254		0.15	1.06	mg/Kg
Q2400-02	B-134-SB01	SOIL	Mercury	0.015		J	0.0090	0.016

Hit Summary Sheet
SW-846

SDG No.: Q2400

Order ID: Q2400

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2400-02	B-134-SB01	SOIL	Nickel	62.2		0.14	2.11	mg/Kg
Q2400-02	B-134-SB01	SOIL	Potassium	2790		29.3	106	mg/Kg
Q2400-02	B-134-SB01	SOIL	Selenium	5.57		0.28	1.06	mg/Kg
Q2400-02	B-134-SB01	SOIL	Silver	0.44	J	0.13	0.53	mg/Kg
Q2400-02	B-134-SB01	SOIL	Sodium	268		18.8	106	mg/Kg
Q2400-02	B-134-SB01	SOIL	Vanadium	25.3		0.26	2.11	mg/Kg
Q2400-02	B-134-SB01	SOIL	Zinc	40.6		0.12	2.11	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/23/25
Client Sample ID:	B-156-SB01	SDG No.:	Q2400
Lab Sample ID:	Q2400-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4700		1	0.90	5.33	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-36-0	Antimony	2.19	JN*	1	0.24	2.67	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-38-2	Arsenic	7.15	*	1	0.20	1.07	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-39-3	Barium	49.1		1	0.78	5.33	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-41-7	Beryllium	0.46	N	1	0.027	0.32	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-43-9	Cadmium	0.48		1	0.026	0.32	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-70-2	Calcium	2920	*	1	11.8	107	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-47-3	Chromium	10.6	N*	1	0.050	0.53	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-48-4	Cobalt	8.16	N	1	0.11	1.60	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-50-8	Copper	81.2	N*	1	0.24	1.07	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7439-89-6	Iron	18300	*	1	4.25	5.33	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7439-92-1	Lead	97.4		1	0.14	0.64	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7439-95-4	Magnesium	2290		1	12.8	107	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7439-96-5	Manganese	181	*	1	0.15	1.07	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7439-97-6	Mercury	0.73		1	0.0080	0.015	mg/Kg	06/24/25 15:35	06/26/25 10:57	7471B	
7440-02-0	Nickel	27.7	N*	1	0.14	2.13	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-09-7	Potassium	1070	N	1	29.5	107	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7782-49-2	Selenium	5.70	N*	1	0.28	1.07	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-22-4	Silver	0.84	N*	1	0.13	0.53	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-23-5	Sodium	180	N	1	19.0	107	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.13	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-62-2	Vanadium	23.5	N	1	0.27	2.13	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050
7440-66-6	Zinc	102	N	1	0.12	2.13	mg/Kg	06/24/25 13:15	06/27/25 17:31	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/23/25
Client Sample ID:	B-134-SB01	SDG No.:	Q2400
Lab Sample ID:	Q2400-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	83

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8720		1	0.89	5.28	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-36-0	Antimony	1.97	JN*	1	0.23	2.64	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-38-2	Arsenic	3.75	*	1	0.20	1.06	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-39-3	Barium	74.6		1	0.77	5.28	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-41-7	Beryllium	0.53	N	1	0.026	0.32	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.32	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-70-2	Calcium	53000	*	1	11.7	106	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-47-3	Chromium	31.3	N*	1	0.050	0.53	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-48-4	Cobalt	8.33	N	1	0.11	1.59	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-50-8	Copper	147	N*	1	0.23	1.06	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7439-89-6	Iron	17900	*	1	4.22	5.28	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7439-92-1	Lead	16.0		1	0.14	0.63	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7439-95-4	Magnesium	3990		1	12.7	106	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7439-96-5	Manganese	254	*	1	0.15	1.06	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7439-97-6	Mercury	0.015	J	1	0.0090	0.016	mg/Kg	06/24/25 15:35	06/26/25 11:00	7471B	
7440-02-0	Nickel	62.2	N*	1	0.14	2.11	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-09-7	Potassium	2790	N	1	29.3	106	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7782-49-2	Selenium	5.57	N*	1	0.28	1.06	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-22-4	Silver	0.44	JN*	1	0.13	0.53	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-23-5	Sodium	268	N	1	18.8	106	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.11	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-62-2	Vanadium	25.3	N	1	0.26	2.11	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050
7440-66-6	Zinc	40.6	N	1	0.12	2.11	mg/Kg	06/24/25 13:15	06/27/25 17:36	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Portal Partners Tri-Venture				SDG No.:	Q2400					
Contract:	PORT06		Lab Code:	CHEM		Case No.:	Q2400		SAS No.:	Q2400	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number		
ICB06	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:07	LB136362		

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB16	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:11	LB136362
CCB17	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:39	LB136362
CCB18	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	11:09	LB136362
CCB19	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	11:30	LB136362

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	12:54	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	12:54	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	12:54	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	12:54	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	12:54	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	12:54	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	12:54	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	12:54	LB136319

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q2400							
Contract: PORT06	Lab Code: CHEM	Case No.: Q2400	SAS No.: Q2400						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	13:31	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	13:31	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	13:31	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	13:31	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	13:31	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	13:31	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	13:31	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
CCB02	Aluminum	11.3	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	14:24	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	14:24	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	14:24	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	14:24	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	14:24	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	14:24	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	14:24	LB136319

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q2400							
Contract: PORT06	Lab Code: CHEM	Case No.: Q2400	SAS No.: Q2400						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	06/27/2025	14:24	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
CCB03	Aluminum	11.3	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	15:16	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	15:16	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	15:16	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	15:16	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	15:16	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	15:16	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	15:16	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
CCB04	Aluminum	11.3	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	16:09	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	16:09	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	16:09	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	16:09	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	16:09	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	16:09	LB136319



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Client:	Portal Partners Tri-Venture		SDG No.:	Q2400	
Contract:	PORT06	Lab Code:	CHEM	Case No.:	Q2400
				SAS No.:	Q2400

- A
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- E
- F
- G
- H
- I
- J

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q2400							
Contract: PORT06	Lab Code: CHEM	Case No.: Q2400	SAS No.: Q2400						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	17:53	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	17:53	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	17:53	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	17:53	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	17:53	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
CCB07	Aluminum	11.3	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	18:46	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	18:46	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	18:46	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	18:46	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	18:46	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	18:46	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	18:46	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
CCB08	Aluminum	11.3	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	19:33	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	19:33	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	19:33	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	19:33	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	19:33	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	19:33	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	19:33	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	19:33	LB136319

Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q2400

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168616BL		SOLID		Batch Number:	PB168616		Prep Date:	06/24/2025	
	Mercury	0.0080	<0.014	U	0.014	CV	06/26/2025	10:21	LB136362

Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q2400

Instrument: P5

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168598BL	SOLID			Batch Number:	PB168598		Prep Date:	06/24/2025	
	Aluminum	0.84	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Antimony	0.22	<1.25	U	2.50	P	06/27/2025	15:55	LB136319
	Arsenic	0.19	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Barium	0.73	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Beryllium	0.025	<0.15	U	0.30	P	06/27/2025	15:55	LB136319
	Cadmium	0.024	<0.15	U	0.30	P	06/27/2025	15:55	LB136319
	Calcium	11.1	<50	U	100	P	06/27/2025	15:55	LB136319
	Chromium	0.047	<0.25	U	0.50	P	06/27/2025	15:55	LB136319
	Cobalt	0.10	<0.75	U	1.50	P	06/27/2025	15:55	LB136319
	Copper	0.22	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Iron	3.99	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Lead	0.13	<0.3	U	0.60	P	06/27/2025	15:55	LB136319
	Magnesium	12.0	<50	U	100	P	06/27/2025	15:55	LB136319
	Manganese	0.14	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Nickel	0.13	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Potassium	27.7	<50	U	100	P	06/27/2025	15:55	LB136319
	Selenium	0.26	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Silver	0.12	<0.25	U	0.50	P	06/27/2025	15:55	LB136319
	Sodium	17.8	<50	U	100	P	06/27/2025	15:55	LB136319
	Thallium	0.23	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Vanadium	0.25	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Zinc	0.11	<1	U	2.00	P	06/27/2025	15:55	LB136319



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400
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
ICV06	Mercury	3.93	4.0	98	90 - 110	CV	06/26/2025	10:05	LB136362

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2400

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400

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
CCV16	Mercury	5.16	5.0	103	90 - 110	CV	06/26/2025	10:09	LB136362
CCV17	Mercury	5.46	5.0	109	90 - 110	CV	06/26/2025	10:37	LB136362
CCV18	Mercury	5.19	5.0	104	90 - 110	CV	06/26/2025	11:07	LB136362
CCV19	Mercury	4.98	5.0	100	90 - 110	CV	06/26/2025	11:27	LB136362

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2400

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7840	8000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Antimony	4280	4000	107	90 - 110	P	06/27/2025	11:45	LB136319
	Arsenic	3910	4000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Barium	8020	8000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Beryllium	204	200	102	90 - 110	P	06/27/2025	11:45	LB136319
	Cadmium	1990	2000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Calcium	19600	20000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Chromium	757	800	95	90 - 110	P	06/27/2025	11:45	LB136319
	Cobalt	1970	2000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Copper	1040	1000	104	90 - 110	P	06/27/2025	11:45	LB136319
	Iron	3850	4000	96	90 - 110	P	06/27/2025	11:45	LB136319
	Lead	3950	4000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Magnesium	20200	20000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Manganese	1990	2000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Nickel	1950	2000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Potassium	19500	20000	97	90 - 110	P	06/27/2025	11:45	LB136319
	Selenium	4050	4000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Silver	941	1000	94	90 - 110	P	06/27/2025	11:45	LB136319
	Sodium	20500	20000	102	90 - 110	P	06/27/2025	11:45	LB136319
	Thallium	3950	4000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Vanadium	2020	2000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Zinc	2030	2000	101	90 - 110	P	06/27/2025	11:45	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q2400
Contract: PORT06 Lab Code: CHEM Case No.: Q2400 SAS No.: Q2400
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	94.7	100	95	80 - 120	P	06/27/2025	12:03	LB136319
	Antimony	57.4	50.0	115	80 - 120	P	06/27/2025	12:03	LB136319
	Arsenic	16.7	20.0	84	80 - 120	P	06/27/2025	12:03	LB136319
	Barium	99.9	100	100	80 - 120	P	06/27/2025	12:03	LB136319
	Beryllium	6.43	6.0	107	80 - 120	P	06/27/2025	12:03	LB136319
	Cadmium	5.74	6.0	96	80 - 120	P	06/27/2025	12:03	LB136319
	Calcium	2080	2000	104	80 - 120	P	06/27/2025	12:03	LB136319
	Chromium	11.1	10.0	112	80 - 120	P	06/27/2025	12:03	LB136319
	Cobalt	30.3	30.0	101	80 - 120	P	06/27/2025	12:03	LB136319
	Copper	22.3	20.0	112	80 - 120	P	06/27/2025	12:03	LB136319
	Iron	111	100	111	80 - 120	P	06/27/2025	12:03	LB136319
	Lead	10.3	12.0	86	80 - 120	P	06/27/2025	12:03	LB136319
	Magnesium	2270	2000	114	80 - 120	P	06/27/2025	12:03	LB136319
	Manganese	22.8	20.0	114	80 - 120	P	06/27/2025	12:03	LB136319
	Nickel	39.8	40.0	100	80 - 120	P	06/27/2025	12:03	LB136319
	Potassium	1800	2000	90	80 - 120	P	06/27/2025	12:03	LB136319
	Selenium	19.5	20.0	98	80 - 120	P	06/27/2025	12:03	LB136319
	Silver	10.7	10.0	107	80 - 120	P	06/27/2025	12:03	LB136319
	Sodium	1900	2000	95	80 - 120	P	06/27/2025	12:03	LB136319
	Thallium	40.7	40.0	102	80 - 120	P	06/27/2025	12:03	LB136319
	Vanadium	47.8	40.0	119	80 - 120	P	06/27/2025	12:03	LB136319
	Zinc	34.2	40.0	85	80 - 120	P	06/27/2025	12:03	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q2400
 Contract: PORT06 Lab Code: CHEM Case No.: Q2400 SAS No.: Q2400
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9460	10000	95	90 - 110	P	06/27/2025	13:22	LB136319
	Antimony	5000	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Arsenic	4830	5000	97	90 - 110	P	06/27/2025	13:22	LB136319
	Barium	10100	10000	101	90 - 110	P	06/27/2025	13:22	LB136319
	Beryllium	250	250	100	90 - 110	P	06/27/2025	13:22	LB136319
	Cadmium	2460	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Calcium	24700	25000	99	90 - 110	P	06/27/2025	13:22	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	13:22	LB136319
	Cobalt	2470	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Copper	1250	1250	100	90 - 110	P	06/27/2025	13:22	LB136319
	Iron	5370	5000	108	90 - 110	P	06/27/2025	13:22	LB136319
	Lead	4980	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Magnesium	25700	25000	103	90 - 110	P	06/27/2025	13:22	LB136319
	Manganese	2520	2500	101	90 - 110	P	06/27/2025	13:22	LB136319
	Nickel	2510	2500	100	90 - 110	P	06/27/2025	13:22	LB136319
	Potassium	24900	25000	99	90 - 110	P	06/27/2025	13:22	LB136319
	Selenium	5040	5000	101	90 - 110	P	06/27/2025	13:22	LB136319
	Silver	1230	1250	99	90 - 110	P	06/27/2025	13:22	LB136319
	Sodium	25000	25000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Thallium	5000	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
CCV02	Vanadium	2480	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Zinc	2510	2500	101	90 - 110	P	06/27/2025	13:22	LB136319
	Aluminum	9650	10000	96	90 - 110	P	06/27/2025	14:19	LB136319
	Antimony	5050	5000	101	90 - 110	P	06/27/2025	14:19	LB136319
	Arsenic	4900	5000	98	90 - 110	P	06/27/2025	14:19	LB136319
	Barium	10200	10000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	14:19	LB136319
	Cadmium	2500	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Calcium	25000	25000	100	90 - 110	P	06/27/2025	14:19	LB136319
	Chromium	1010	1000	101	90 - 110	P	06/27/2025	14:19	LB136319
	Cobalt	2510	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	14:19	LB136319
	Iron	5250	5000	105	90 - 110	P	06/27/2025	14:19	LB136319
	Lead	5070	5000	101	90 - 110	P	06/27/2025	14:19	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q2400
Contract: PORT06 Lab Code: CHEM Case No.: Q2400 SAS No.: Q2400
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	26100	25000	104	90 - 110	P	06/27/2025	14:19	LB136319
	Manganese	2540	2500	102	90 - 110	P	06/27/2025	14:19	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	14:19	LB136319
	Potassium	25600	25000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Selenium	5100	5000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Silver	1260	1250	101	90 - 110	P	06/27/2025	14:19	LB136319
	Sodium	25800	25000	103	90 - 110	P	06/27/2025	14:19	LB136319
	Thallium	5080	5000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Vanadium	2500	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Zinc	2550	2500	102	90 - 110	P	06/27/2025	14:19	LB136319
CCV03	Aluminum	9690	10000	97	90 - 110	P	06/27/2025	15:12	LB136319
	Antimony	5100	5000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Arsenic	4930	5000	99	90 - 110	P	06/27/2025	15:12	LB136319
	Barium	10300	10000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Beryllium	257	250	103	90 - 110	P	06/27/2025	15:12	LB136319
	Cadmium	2530	2500	101	90 - 110	P	06/27/2025	15:12	LB136319
	Calcium	25400	25000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Chromium	1040	1000	104	90 - 110	P	06/27/2025	15:12	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	15:12	LB136319
	Iron	5340	5000	107	90 - 110	P	06/27/2025	15:12	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Magnesium	26300	25000	105	90 - 110	P	06/27/2025	15:12	LB136319
	Manganese	2560	2500	103	90 - 110	P	06/27/2025	15:12	LB136319
	Nickel	2560	2500	103	90 - 110	P	06/27/2025	15:12	LB136319
	Potassium	25800	25000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Selenium	5170	5000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Silver	1270	1250	102	90 - 110	P	06/27/2025	15:12	LB136319
	Sodium	26000	25000	104	90 - 110	P	06/27/2025	15:12	LB136319
	Thallium	5140	5000	103	90 - 110	P	06/27/2025	15:12	LB136319
CCV04	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Zinc	2560	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Aluminum	10300	10000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Antimony	5110	5000	102	90 - 110	P	06/27/2025	16:04	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q2400
Contract: PORT06 Lab Code: CHEM Case No.: Q2400 SAS No.: Q2400
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4940	5000	99	90 - 110	P	06/27/2025	16:04	LB136319
	Barium	10300	10000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	16:04	LB136319
	Cadmium	2530	2500	101	90 - 110	P	06/27/2025	16:04	LB136319
	Calcium	25400	25000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Chromium	1010	1000	101	90 - 110	P	06/27/2025	16:04	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	16:04	LB136319
	Iron	5250	5000	105	90 - 110	P	06/27/2025	16:04	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Magnesium	26100	25000	105	90 - 110	P	06/27/2025	16:04	LB136319
	Manganese	2580	2500	103	90 - 110	P	06/27/2025	16:04	LB136319
	Nickel	2550	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Potassium	25800	25000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Selenium	5160	5000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Silver	1260	1250	101	90 - 110	P	06/27/2025	16:04	LB136319
	Sodium	26000	25000	104	90 - 110	P	06/27/2025	16:04	LB136319
	Thallium	5130	5000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Zinc	2570	2500	103	90 - 110	P	06/27/2025	16:04	LB136319
CCV05	Aluminum	9590	10000	96	90 - 110	P	06/27/2025	16:56	LB136319
	Antimony	4950	5000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Arsenic	4820	5000	96	90 - 110	P	06/27/2025	16:56	LB136319
	Barium	10200	10000	102	90 - 110	P	06/27/2025	16:56	LB136319
	Beryllium	255	250	102	90 - 110	P	06/27/2025	16:56	LB136319
	Cadmium	2460	2500	98	90 - 110	P	06/27/2025	16:56	LB136319
	Calcium	24800	25000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Chromium	1040	1000	104	90 - 110	P	06/27/2025	16:56	LB136319
	Cobalt	2460	2500	98	90 - 110	P	06/27/2025	16:56	LB136319
	Copper	1280	1250	102	90 - 110	P	06/27/2025	16:56	LB136319
	Iron	5380	5000	108	90 - 110	P	06/27/2025	16:56	LB136319
	Lead	4960	5000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Magnesium	25300	25000	101	90 - 110	P	06/27/2025	16:56	LB136319
	Manganese	2490	2500	100	90 - 110	P	06/27/2025	16:56	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q2400
Contract: PORT06 Lab Code: CHEM Case No.: Q2400 SAS No.: Q2400
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2500	2500	100	90 - 110	P	06/27/2025	16:56	LB136319
	Potassium	25700	25000	103	90 - 110	P	06/27/2025	16:56	LB136319
	Selenium	4980	5000	100	90 - 110	P	06/27/2025	16:56	LB136319
	Silver	1230	1250	98	90 - 110	P	06/27/2025	16:56	LB136319
	Sodium	25900	25000	104	90 - 110	P	06/27/2025	16:56	LB136319
	Thallium	4980	5000	100	90 - 110	P	06/27/2025	16:56	LB136319
	Vanadium	2470	2500	99	90 - 110	P	06/27/2025	16:56	LB136319
	Zinc	2480	2500	99	90 - 110	P	06/27/2025	16:56	LB136319
CCV06	Aluminum	9580	10000	96	90 - 110	P	06/27/2025	17:49	LB136319
	Antimony	5020	5000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Arsenic	4880	5000	98	90 - 110	P	06/27/2025	17:49	LB136319
	Barium	10400	10000	104	90 - 110	P	06/27/2025	17:49	LB136319
	Beryllium	254	250	102	90 - 110	P	06/27/2025	17:49	LB136319
	Cadmium	2480	2500	99	90 - 110	P	06/27/2025	17:49	LB136319
	Calcium	24900	25000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Cobalt	2480	2500	99	90 - 110	P	06/27/2025	17:49	LB136319
	Copper	1280	1250	102	90 - 110	P	06/27/2025	17:49	LB136319
	Iron	5430	5000	109	90 - 110	P	06/27/2025	17:49	LB136319
	Lead	5000	5000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Magnesium	25800	25000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Manganese	2540	2500	102	90 - 110	P	06/27/2025	17:49	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	17:49	LB136319
	Potassium	25700	25000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Selenium	5030	5000	101	90 - 110	P	06/27/2025	17:49	LB136319
	Silver	1220	1250	97	90 - 110	P	06/27/2025	17:49	LB136319
	Sodium	26100	25000	105	90 - 110	P	06/27/2025	17:49	LB136319
	Thallium	5060	5000	101	90 - 110	P	06/27/2025	17:49	LB136319
	Vanadium	2520	2500	101	90 - 110	P	06/27/2025	17:49	LB136319
	Zinc	2560	2500	102	90 - 110	P	06/27/2025	17:49	LB136319
CCV07	Aluminum	9940	10000	99	90 - 110	P	06/27/2025	18:41	LB136319
	Antimony	5140	5000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Arsenic	5050	5000	101	90 - 110	P	06/27/2025	18:41	LB136319
	Barium	10600	10000	106	90 - 110	P	06/27/2025	18:41	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q2400
Contract: PORT06 Lab Code: CHEM Case No.: Q2400 SAS No.: Q2400
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	260	250	104	90 - 110	P	06/27/2025	18:41	LB136319
	Cadmium	2550	2500	102	90 - 110	P	06/27/2025	18:41	LB136319
	Calcium	25300	25000	101	90 - 110	P	06/27/2025	18:41	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	18:41	LB136319
	Copper	1310	1250	105	90 - 110	P	06/27/2025	18:41	LB136319
	Iron	5380	5000	108	90 - 110	P	06/27/2025	18:41	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	18:41	LB136319
	Magnesium	26100	25000	104	90 - 110	P	06/27/2025	18:41	LB136319
	Manganese	2590	2500	103	90 - 110	P	06/27/2025	18:41	LB136319
	Nickel	2570	2500	103	90 - 110	P	06/27/2025	18:41	LB136319
	Potassium	26400	25000	106	90 - 110	P	06/27/2025	18:41	LB136319
	Selenium	5140	5000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Silver	1240	1250	99	90 - 110	P	06/27/2025	18:41	LB136319
	Sodium	26800	25000	107	90 - 110	P	06/27/2025	18:41	LB136319
	Thallium	5190	5000	104	90 - 110	P	06/27/2025	18:41	LB136319
	Vanadium	2610	2500	104	90 - 110	P	06/27/2025	18:41	LB136319
	Zinc	2630	2500	105	90 - 110	P	06/27/2025	18:41	LB136319
CCV08	Aluminum	9930	10000	99	90 - 110	P	06/27/2025	19:29	LB136319
	Antimony	5100	5000	102	90 - 110	P	06/27/2025	19:29	LB136319
	Arsenic	5000	5000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Barium	10500	10000	105	90 - 110	P	06/27/2025	19:29	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	19:29	LB136319
	Cadmium	2520	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Calcium	25100	25000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Chromium	1010	1000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Cobalt	2520	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Copper	1290	1250	104	90 - 110	P	06/27/2025	19:29	LB136319
	Iron	5200	5000	104	90 - 110	P	06/27/2025	19:29	LB136319
	Lead	5040	5000	101	90 - 110	P	06/27/2025	19:29	LB136319
	Magnesium	25600	25000	102	90 - 110	P	06/27/2025	19:29	LB136319
	Manganese	2530	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Potassium	26300	25000	105	90 - 110	P	06/27/2025	19:29	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400
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
CCV08	Selenium	5060	5000	101	90 - 110	P	06/27/2025	19:29	LB136319
	Silver	1220	1250	98	90 - 110	P	06/27/2025	19:29	LB136319
	Sodium	26500	25000	106	90 - 110	P	06/27/2025	19:29	LB136319
	Thallium	5130	5000	103	90 - 110	P	06/27/2025	19:29	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	19:29	LB136319
	Zinc	2610	2500	104	90 - 110	P	06/27/2025	19:29	LB136319



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: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.22	0.2	110	70 - 130	CV	06/26/2025	10:14	LB136362
CRI01	Aluminum	92.6	100	93	65 - 135	P	06/27/2025	12:58	LB136319
	Antimony	56.3	50.0	113	65 - 135	P	06/27/2025	12:58	LB136319
	Arsenic	16.9	20.0	84	65 - 135	P	06/27/2025	12:58	LB136319
	Barium	106	100	106	65 - 135	P	06/27/2025	12:58	LB136319
	Beryllium	6.39	6.0	106	65 - 135	P	06/27/2025	12:58	LB136319
	Cadmium	5.61	6.0	94	65 - 135	P	06/27/2025	12:58	LB136319
	Calcium	2090	2000	104	65 - 135	P	06/27/2025	12:58	LB136319
	Chromium	12.6	10.0	126	65 - 135	P	06/27/2025	12:58	LB136319
	Cobalt	30.4	30.0	101	65 - 135	P	06/27/2025	12:58	LB136319
	Copper	23.3	20.0	116	65 - 135	P	06/27/2025	12:58	LB136319
	Iron	109	100	108	65 - 135	P	06/27/2025	12:58	LB136319
	Lead	12.2	12.0	101	65 - 135	P	06/27/2025	12:58	LB136319
	Magnesium	2330	2000	117	65 - 135	P	06/27/2025	12:58	LB136319
	Manganese	22.7	20.0	114	65 - 135	P	06/27/2025	12:58	LB136319
	Nickel	40.0	40.0	100	65 - 135	P	06/27/2025	12:58	LB136319
	Potassium	1640	2000	82	65 - 135	P	06/27/2025	12:58	LB136319
	Selenium	20.1	20.0	100	65 - 135	P	06/27/2025	12:58	LB136319
	Silver	11.2	10.0	112	65 - 135	P	06/27/2025	12:58	LB136319
	Sodium	1900	2000	95	65 - 135	P	06/27/2025	12:58	LB136319
	Thallium	40.8	40.0	102	65 - 135	P	06/27/2025	12:58	LB136319
	Vanadium	39.3	40.0	98	65 - 135	P	06/27/2025	12:58	LB136319
	Zinc	34.2	40.0	86	65 - 135	P	06/27/2025	12:58	LB136319

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400
ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	240000	250000	96	216000	294000	06/27/2025	13:04	LB136319
	Antimony	21.2			-50	50	06/27/2025	13:04	LB136319
	Arsenic	1.80			-20	20	06/27/2025	13:04	LB136319
	Barium	5.72	6.0	95	-94	106	06/27/2025	13:04	LB136319
	Beryllium	1.16			-6	6	06/27/2025	13:04	LB136319
	Cadmium	-1.37	1.0	137	-5	7	06/27/2025	13:04	LB136319
	Calcium	237000	240000	99	208000	282000	06/27/2025	13:04	LB136319
	Chromium	49.2	52.0	95	42	62	06/27/2025	13:04	LB136319
	Cobalt	29.0			-30	30	06/27/2025	13:04	LB136319
	Copper	-5.04	2.0	252	-18	22	06/27/2025	13:04	LB136319
	Iron	101000	100000	101	85600	116500	06/27/2025	13:04	LB136319
	Lead	-0.17			-12	12	06/27/2025	13:04	LB136319
	Magnesium	257000	260000	99	216000	294000	06/27/2025	13:04	LB136319
	Manganese	5.41	7.0	77	-13	27	06/27/2025	13:04	LB136319
	Nickel	6.13	2.0	306	-38	42	06/27/2025	13:04	LB136319
	Potassium	10.4			0	0	06/27/2025	13:04	LB136319
	Selenium	4.19			-20	20	06/27/2025	13:04	LB136319
	Silver	4.58			-10	10	06/27/2025	13:04	LB136319
	Sodium	137			0	0	06/27/2025	13:04	LB136319
	Thallium	17.3			-40	40	06/27/2025	13:04	LB136319
	Vanadium	5.71			-40	40	06/27/2025	13:04	LB136319
	Zinc	3.40			-40	40	06/27/2025	13:04	LB136319
ICSAB01	Aluminum	236000	250000	94	209000	285000	06/27/2025	13:09	LB136319
	Antimony	633	620	102	525	711	06/27/2025	13:09	LB136319
	Arsenic	100	100	100	88.4	120	06/27/2025	13:09	LB136319
	Barium	518	540	96	437	637	06/27/2025	13:09	LB136319
	Beryllium	504	500	101	420	570	06/27/2025	13:09	LB136319
	Cadmium	994	970	102	826	1120	06/27/2025	13:09	LB136319
	Calcium	233000	230000	101	199000	271000	06/27/2025	13:09	LB136319
	Chromium	521	540	96	460	624	06/27/2025	13:09	LB136319
	Cobalt	519	480	108	404	548	06/27/2025	13:09	LB136319
	Copper	479	510	94	434	588	06/27/2025	13:09	LB136319
	Iron	99300	99000	100	84400	114500	06/27/2025	13:09	LB136319
	Lead	47.5	49.0	97	37	61	06/27/2025	13:09	LB136319
	Magnesium	252000	250000	101	210000	286000	06/27/2025	13:09	LB136319
	Manganese	502	510	98	430	584	06/27/2025	13:09	LB136319
	Nickel	975	950	103	810	1100	06/27/2025	13:09	LB136319
	Potassium	6.48			0	0	06/27/2025	13:09	LB136319
	Selenium	55.8	46.0	121	26	66	06/27/2025	13:09	LB136319
	Silver	195	200	98	170	232	06/27/2025	13:09	LB136319
	Sodium	135			0	0	06/27/2025	13:09	LB136319
	Thallium	102	110	93	68	148	06/27/2025	13:09	LB136319

Metals

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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400
ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	487	490	99	417	565	06/27/2025	13:09	LB136319
	Zinc	1030	950	108	809	1095	06/27/2025	13:09	LB136319



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2400

contract: PORT06 **lab code:** CHEM **case no.:** Q2400 **sas no.:** Q2400

matrix: Solid **sample id:** Q2393-11 **client id:** PARK AVE -6MS

Percent Solids for Sample: 86.8 **Spiked ID:** Q2393-11MS **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9700		8830		100	857		P
Antimony	mg/Kg	75 - 125	12.5		2.40	J	40.6	25	N	P
Arsenic	mg/Kg	75 - 125	41.0		4.93		40.6	89		P
Barium	mg/Kg	75 - 125	57.6		49.4		10.2	81		P
Beryllium	mg/Kg	75 - 125	8.36		0.96		10.2	73	N	P
Cadmium	mg/Kg	75 - 125	9.50		0.31	U	10.2	94		P
Calcium	mg/Kg	75 - 125	4960		6090		50.8	-2234		P
Chromium	mg/Kg	75 - 125	25.8		17.9		20.3	39	N	P
Cobalt	mg/Kg	75 - 125	20.9		12.7		10.2	80		P
Copper	mg/Kg	75 - 125	27.9		29.5		15.2	-11	N	P
Iron	mg/Kg	75 - 125	18500		37800		150	-12673		P
Lead	mg/Kg	75 - 125	60.9		15.5		50.8	90		P
Magnesium	mg/Kg	75 - 125	2490		2600		100	-105		P
Manganese	mg/Kg	75 - 125	342		575		10.2	-2292		P
Nickel	mg/Kg	75 - 125	37.3		21.3		25.4	63	N	P
Potassium	mg/Kg	75 - 125	1110		692		510	82		P
Selenium	mg/Kg	75 - 125	74.2		11.5		100	62	N	P
Silver	mg/Kg	75 - 125	3.24		1.34		3.8	50	N	P
Sodium	mg/Kg	75 - 125	404		363		150	27	N	P
Thallium	mg/Kg	75 - 125	93.4		2.06	U	100	92		P
Vanadium	mg/Kg	75 - 125	43.5		34.8		15.2	58	N	P
Zinc	mg/Kg	75 - 125	39.2		38.0		10.2	13	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2400
contract: PORT06 **lab code:** CHEM **case no.:** Q2400 **sas no.:** Q2400
matrix: Solid **sample id:** Q2393-11 **client id:** PARK AVE -6MSD
Percent Solids for Sample: 86.8 **Spiked ID:** Q2393-11MSD **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8190		8830		100	-621		P
Antimony	mg/Kg	75 - 125	14.0		2.40	J	41.5	28	N	P
Arsenic	mg/Kg	75 - 125	44.0		4.93		41.5	94		P
Barium	mg/Kg	75 - 125	48.5		49.4		10.4	-9		P
Beryllium	mg/Kg	75 - 125	9.06		0.96		10.4	78		P
Cadmium	mg/Kg	75 - 125	10.4		0.31	U	10.4	100		P
Calcium	mg/Kg	75 - 125	6420		6090		51.9	633		P
Chromium	mg/Kg	75 - 125	25.4		17.9		20.8	36	N	P
Cobalt	mg/Kg	75 - 125	19.5		12.7		10.4	66	N	P
Copper	mg/Kg	75 - 125	27.6		29.5		15.6	-12	N	P
Iron	mg/Kg	75 - 125	15300		37800		160	-14476		P
Lead	mg/Kg	75 - 125	62.6		15.5		51.9	91		P
Magnesium	mg/Kg	75 - 125	2220		2600		100	-362		P
Manganese	mg/Kg	75 - 125	267		575		10.4	-2963		P
Nickel	mg/Kg	75 - 125	36.6		21.3		25.9	59	N	P
Potassium	mg/Kg	75 - 125	1070		692		520	72	N	P
Selenium	mg/Kg	75 - 125	82.2		11.5		100	68	N	P
Silver	mg/Kg	75 - 125	3.43		1.34		3.9	54	N	P
Sodium	mg/Kg	75 - 125	412		363		160	32	N	P
Thallium	mg/Kg	75 - 125	102		2.06	U	100	98		P
Vanadium	mg/Kg	75 - 125	37.2		34.8		15.6	16	N	P
Zinc	mg/Kg	75 - 125	36.0		38.0		10.4	-19	N	P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q2400</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q2400</u> sas no.: <u>Q2400</u>
matrix: <u>Solid</u>	sample id: <u>Q2403-07</u>	client id: <u>ARS 20-0006MS</u>
Percent Solids for Sample: 95.2	Spiked ID: Q2403-07MS	Percent Solids for Spike Sample: 95.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.037		0.26	96		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q2400</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q2400</u> sas no.: <u>Q2400</u>
matrix: <u>Solid</u>	sample id: <u>Q2403-07</u>	client id: <u>ARS 20-0006MSD</u>
Percent Solids for Sample: 95.2	Spiked ID: Q2403-07MSD	Percent Solids for Spike Sample: 95.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.037		0.28	89		CV

Metals
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POST DIGEST SPIKE SUMMARY

Client: <u>Portal Partners Tri-Venture</u>	SDG No.: <u>Q2400</u>	
Contract: <u>PORT06</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2400</u> SAS No.: <u>Q2400</u>
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>PARK AVE -6A</u>
Sample ID: <u>Q2393-11</u>	Spiked ID: <u>Q2393-11A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	31.9		2.40	J	41.1	72	N	P
Beryllium	mg/Kg	75 - 125	8.54		0.96		10.3	74	N	P
Chromium	mg/Kg	75 - 125	31.4		17.9		20.6	66	N	P
Cobalt	mg/Kg	75 - 125	21.9		12.7		10.3	89		P
Copper	mg/Kg	75 - 125	40.5		29.5		15.4	71	N	P
Nickel	mg/Kg	75 - 125	44.4		21.3		25.7	90		P
Potassium	mg/Kg	75 - 125	1120		692		510	83		P
Selenium	mg/Kg	75 - 125	83.8		11.5		100	72	N	P
Silver	mg/Kg	75 - 125	3.87		1.34		3.90	65	N	P
Sodium	mg/Kg	75 - 125	466		363		150	69	N	P
Vanadium	mg/Kg	75 - 125	44.4		34.8		15.4	62	N	P
Zinc	mg/Kg	75 - 125	44.0		38.0		10.3	58	N	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400
Matrix: Solid **Sample ID:** Q2393-11 **Client ID:** PARK AVE -6DUP
Percent Solids for Sample: 86.8 **Duplicate ID** Q2393-11DUP **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8830		9470		7		P
Antimony	mg/Kg	20	2.40	J	1.60	J	40	*	P
Arsenic	mg/Kg	20	4.93		3.59		31	*	P
Barium	mg/Kg	20	49.4		48.2		2		P
Beryllium	mg/Kg	20	0.96		0.79		20		P
Cadmium	mg/Kg	20	0.31	U	0.28	U			P
Calcium	mg/Kg	20	6090		7650		23	*	P
Chromium	mg/Kg	20	17.9		11.9		40	*	P
Cobalt	mg/Kg	20	12.7		11.9		7		P
Copper	mg/Kg	20	29.5		19.0		43	*	P
Iron	mg/Kg	20	37800		17800		72	*	P
Lead	mg/Kg	20	15.5		16.1		4		P
Magnesium	mg/Kg	20	2600		2890		11		P
Manganese	mg/Kg	20	575		343		51	*	P
Nickel	mg/Kg	20	21.3		13.2		47	*	P
Potassium	mg/Kg	20	692		685		1		P
Selenium	mg/Kg	20	11.5		4.99		79	*	P
Silver	mg/Kg	20	1.34		0.52		88	*	P
Sodium	mg/Kg	20	363		304		18		P
Thallium	mg/Kg	20	2.06	U	1.89	U			P
Vanadium	mg/Kg	20	34.8		31.9		9		P
Zinc	mg/Kg	20	38.0		31.5		19		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2400</u>		
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2400</u>	SAS No.:	<u>Q2400</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2393-11MS</u>	Client ID:	<u>PARK AVE -6MSD</u>		
Percent Solids for Sample:	86.8	Duplicate ID	Q2393-11MSD	Percent Solids for Spike Sample:	86.8		

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9700		8190		17		P
Antimony	mg/Kg	20	12.5		14.0		11		P
Arsenic	mg/Kg	20	41.0		44.0		7		P
Barium	mg/Kg	20	57.6		48.5		17		P
Beryllium	mg/Kg	20	8.36		9.06		8		P
Cadmium	mg/Kg	20	9.50		10.4		9		P
Calcium	mg/Kg	20	4960		6420		26	*	P
Chromium	mg/Kg	20	25.8		25.4		2		P
Cobalt	mg/Kg	20	20.9		19.5		7		P
Copper	mg/Kg	20	27.9		27.6		1		P
Iron	mg/Kg	20	18500		15300		19		P
Lead	mg/Kg	20	60.9		62.6		3		P
Magnesium	mg/Kg	20	2490		2220		11		P
Manganese	mg/Kg	20	342		267		25	*	P
Nickel	mg/Kg	20	37.3		36.6		2		P
Potassium	mg/Kg	20	1110		1070		4		P
Selenium	mg/Kg	20	74.2		82.2		10		P
Silver	mg/Kg	20	3.24		3.43		6		P
Sodium	mg/Kg	20	404		412		2		P
Thallium	mg/Kg	20	93.4		102		9		P
Vanadium	mg/Kg	20	43.5		37.2		16		P
Zinc	mg/Kg	20	39.2		36.0		9		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2400</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2400</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2403-07</u>	Client ID:	<u>ARS 20-0006DUP</u>
Percent Solids for Sample:	95.2	Duplicate ID	Q2403-07DUP	Percent Solids for Spike Sample:	95.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.037		0.032		14		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2400</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2400</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2403-07MS</u>	Client ID:	<u>ARS 20-0006MSD</u>
Percent Solids for Sample:	95.2	Duplicate ID	Q2403-07MSD	Percent Solids for Spike Sample:	95.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.29		0.29		1		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2400
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q2400 **SAS No.:** Q2400

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168598BS							
Aluminum	mg/Kg	100	100	J	100	80 - 120	P
Antimony	mg/Kg	40.0	40.2		100	80 - 120	P
Arsenic	mg/Kg	40.0	35.2		88	80 - 120	P
Barium	mg/Kg	10.0	10.2		102	80 - 120	P
Beryllium	mg/Kg	10.0	10.3		103	80 - 120	P
Cadmium	mg/Kg	10.0	9.46		95	80 - 120	P
Calcium	mg/Kg	50.0	50.1		100	80 - 120	P
Chromium	mg/Kg	20.0	19.2		96	80 - 120	P
Cobalt	mg/Kg	10.0	9.72		97	80 - 120	P
Copper	mg/Kg	15.0	16.1		107	80 - 120	P
Iron	mg/Kg	150	157		105	80 - 120	P
Lead	mg/Kg	50.0	48.0		96	80 - 120	P
Magnesium	mg/Kg	100	104		104	80 - 120	P
Manganese	mg/Kg	10.0	10.4		104	80 - 120	P
Nickel	mg/Kg	25.0	24.3		97	80 - 120	P
Potassium	mg/Kg	500	440		88	80 - 120	P
Selenium	mg/Kg	100	99.8		100	80 - 120	P
Silver	mg/Kg	3.8	3.63		96	80 - 120	P
Sodium	mg/Kg	150	146		97	80 - 120	P
Thallium	mg/Kg	100	101		101	80 - 120	P
Vanadium	mg/Kg	15.0	14.7		98	80 - 120	P
Zinc	mg/Kg	10.0	9.93		99	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q2400

Contract: PORT06

Lab Code: CHEM

Case No.: Q2400

SAS No.: Q2400

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168616BS Mercury	mg/Kg	0.26	0.26		99	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

PARK AVE -6L

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM Lb No.: lb136319 Lab Sample ID : Q2393-11L SDG No.: Q2400

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	8830		10800		23		P
Antimony	2.40	J	3.27	J	36		P
Arsenic	4.93		4.68	J	5		P
Barium	49.4		61.6		25		P
Beryllium	0.96		1.30	J	35		P
Cadmium	0.31	U	1.54	U			P
Calcium	6090		7610		25		P
Chromium	17.9		21.7		21		P
Cobalt	12.7		14.4		13		P
Copper	29.5		38.6		31		P
Iron	37800		47300		25		P
Lead	15.5		16.8		9		P
Magnesium	2600		3320		28		P
Manganese	575		722		26		P
Nickel	21.3		20.4		4		P
Potassium	692		701		1		P
Selenium	11.5		12.8		11		P
Silver	1.34		1.99	J	49		P
Sodium	363		459	J	27		P
Thallium	2.06	U	10.3	U			P
Vanadium	34.8		41.7		20		P
Zinc	38.0		44.7		18		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

ARS 20-0006L

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM

Lb No.: lb136362

Lab Sample ID : Q2403-07L

SDG No.: Q2400

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.037	0.045 J	23		CV

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q2400 **Sas no.:** Q2400 **Sdg no.:** Q2400

Instrument id number: **Method:** **Run number:** LB136319

Start date: 06/27/2025 **End date:** 06/27/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1111	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1120	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1124	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1129	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1133	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1145	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1254	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1258	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1304	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1309	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1331	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1419	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168598BL	PB168598BL	1	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168598BS	PB168598BS	1	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1604	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1609	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11DUP	PARK AVE -6DUP	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11L	PARK AVE -6L	5	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11MS	PARK AVE -6MS	1	1648	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11MSD	PARK AVE -6MSD	1	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1656	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1701	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11A	PARK AVE -6A	1	1705	Ag,Be,Co,Cr,Cu,K,Na,Ni,Sb,Se,V,Zn
Q2400-01	B-156-SB01	1	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2400-02	B-134-SB01	1	1736	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1753	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1846	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1929	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1933	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q2400 **Sas no.:** Q2400 **Sdg no.:** Q2400

Instrument id number: **Method:** **Run number:** LB136362

Start date: 06/26/2025 **End date:** 06/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0950	HG
S0.2	S0.2	1	0952	HG
S2.5	S2.5	1	0955	HG
S5	S5	1	0957	HG
S7.5	S7.5	1	0959	HG
S10	S10	1	1001	HG
ICV06	ICV06	1	1005	HG
ICB06	ICB06	1	1007	HG
CCV16	CCV16	1	1009	HG
CCB16	CCB16	1	1011	HG
CRA	CRA	1	1014	HG
PB168616BL	PB168616BL	1	1021	HG
PB168616BS	PB168616BS	1	1023	HG
CCV17	CCV17	1	1037	HG
CCB17	CCB17	1	1039	HG
Q2400-01	B-156-SB01	1	1057	HG
Q2400-02	B-134-SB01	1	1100	HG
CCV18	CCV18	1	1107	HG
CCB18	CCB18	1	1109	HG
Q2403-07DUP	ARS 20-0006DUP	1	1114	HG
Q2403-07MS	ARS 20-0006MS	1	1116	HG
Q2403-07MSD	ARS 20-0006MSD	1	1118	HG
Q2403-07L	ARS 20-0006L	5	1123	HG
CCV19	CCV19	1	1127	HG
CCB19	CCB19	1	1130	HG



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q2400

Contract: PORT06

Lab Code: CHEM

Case No.: Q2400

SAS No.: Q2400

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000720	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q2400

Contract: PORT06

Lab Code: CHEM

Case No.: Q2400

SAS No.: Q2400

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q2400

Contract: PORT06

Lab Code: CHEM

Case No.: Q2400

SAS No.: Q2400

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0001020
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q2400

Contract: PORT06

Lab Code: CHEM

Case No.: Q2400

SAS No.: Q2400

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q2400

Contract: PORT06

Lab Code: CHEM

Case No.: Q2400

SAS No.: Q2400

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	-0.0004810
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

LAB CHRONICLE

OrderID:	Q2400	OrderDate:	6/23/2025 4:35:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	A42

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2400-01	B-156-SB01	SOIL	Mercury	7471B	06/23/25	06/24/25	06/26/25	06/23/25
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2400-02	B-134-SB01	SOIL	Mercury	7471B	06/23/25	06/24/25	06/26/25	06/23/25
			Metals ICP-TAL	6010D		06/24/25	06/27/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>Q2400</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2400</u>
		SAS No.:	<u>Q2400</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168598							
PB168598BL	PB168598BL	MB	SOLID	06/24/2025	2.00	100.0	100.00
PB168598BS	PB168598BS	LCS	SOLID	06/24/2025	2.00	100.0	100.00
Q2393-11DUP	PARK AVE -6DUP	DUP	SOLID	06/24/2025	2.44	100.0	86.80
Q2393-11MS	PARK AVE -6MS	MS	SOLID	06/24/2025	2.27	100.0	86.80
Q2393-11MSD	PARK AVE -6MSD	MSD	SOLID	06/24/2025	2.22	100.0	86.80
Q2400-01	B-156-SB01	SAM	SOLID	06/24/2025	2.22	100.0	84.50
Q2400-02	B-134-SB01	SAM	SOLID	06/24/2025	2.28	100.0	83.00

Metals
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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>Q2400</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2400</u>
		SAS No.:	<u>Q2400</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168616							
PB168616BL	PB168616BL	MB	SOLID	06/24/2025	0.51	35.0	100.00
PB168616BS	PB168616BS	LCS	SOLID	06/24/2025	0.53	35.0	100.00
Q2400-01	B-156-SB01	SAM	SOLID	06/24/2025	0.56	35.0	84.50
Q2400-02	B-134-SB01	SAM	SOLID	06/24/2025	0.54	35.0	83.00
Q2403-07DUP	ARS 20-0006DUP	DUP	SOLID	06/24/2025	0.56	35.0	95.20
Q2403-07MS	ARS 20-0006MS	MS	SOLID	06/24/2025	0.57	35.0	95.20
Q2403-07MSD	ARS 20-0006MSD	MSD	SOLID	06/24/2025	0.53	35.0	95.20

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/27/25 11:11		Janvi	OK
2	S1	S1	CAL2	06/27/25 11:16		Janvi	OK
3	S2	S2	CAL3	06/27/25 11:20		Janvi	OK
4	S3	S3	CAL4	06/27/25 11:24		Janvi	OK
5	S4	S4	CAL5	06/27/25 11:29		Janvi	OK
6	S5	S5	CAL6	06/27/25 11:33		Janvi	OK
7	ICV01	ICV01	ICV	06/27/25 11:45	ICV fail for Sb,Cr,Ag (200.7) (95-105)	Janvi	OK
8	LLICV01	LLICV01	LLICV	06/27/25 12:03		Janvi	OK
9	ICB01	ICB01	ICB	06/27/25 12:54		Janvi	OK
10	CRI01	CRI01	CRDL	06/27/25 12:58		Janvi	OK
11	ICSA01	ICSA01	ICSA	06/27/25 13:04		Janvi	OK
12	ICSAB01	ICSAB01	ICSAB	06/27/25 13:09		Janvi	OK
13	ICSADL	ICSADL	ICSA	06/27/25 13:14		Janvi	OK
14	ICSABDL	ICSABDL	ICSAB	06/27/25 13:18		Janvi	OK
15	CCV01	CCV01	CCV	06/27/25 13:22		Janvi	OK
16	CCB01	CCB01	CCB	06/27/25 13:31		Janvi	OK
17	PB168612BL	PB168612BL	MB	06/27/25 13:36		Janvi	OK
18	PB168612BS	PB168612BS	LCS	06/27/25 13:40		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

19	Q2403-03	LAW-25-0093	SAM	06/27/25 13:45		Janvi	OK
20	Q2403-05	Concrete-062325	SAM	06/27/25 13:49		Janvi	OK
21	Q2403-07	ARS 20-0006	SAM	06/27/25 13:54		Janvi	OK
22	Q2403-07DUP	ARS 20-0006DUP	DUP	06/27/25 13:58		Janvi	OK
23	Q2403-07L	ARS 20-0006L	SD	06/27/25 14:02		Janvi	OK
24	Q2403-07MS	ARS 20-0006MS	MS	06/27/25 14:07		Janvi	OK
25	Q2403-07MSD	ARS 20-0006MSD	MSD	06/27/25 14:11		Janvi	OK
26	Q2403-07A	ARS 20-0006A	PS	06/27/25 14:15		Janvi	OK
27	CCV02	CCV02	CCV	06/27/25 14:19		Janvi	OK
28	CCB02	CCB02	CCB	06/27/25 14:24		Janvi	OK
29	Q2405-01	MH-M/N	SAM	06/27/25 14:28		Janvi	OK
30	Q2404-01	1ST-FL-CHILD-CARE	SAM	06/27/25 14:32		Janvi	OK
31	Q2404-02	1ST-FL-CHILD-CARE	SAM	06/27/25 14:37		Janvi	OK
32	Q2404-03	1ST-FL-CHILD-CARE	SAM	06/27/25 14:41		Janvi	OK
33	Q2404-04	1ST-FL-CHILD-CARE	SAM	06/27/25 14:46		Janvi	OK
34	Q2404-05	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:50		Janvi	OK
35	Q2404-06	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:54		Janvi	OK
36	Q2404-07	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:59		Janvi	OK
37	Q2404-08	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:03		Janvi	OK
38	Q2404-09	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:07		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

39	CCV03	CCV03	CCV	06/27/25 15:12		Janvi	OK
40	CCB03	CCB03	CCB	06/27/25 15:16		Janvi	OK
41	Q2404-10	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:21		Janvi	OK
42	Q2404-11	1ST-FL-CHILD-CARE	SAM	06/27/25 15:25		Janvi	OK
43	Q2404-12	1ST-FL-CHILD-CARE	SAM	06/27/25 15:29	ICV fail for Cr,Ag	Janvi	Not Ok
44	Q2404-12DUP	1ST-FL-CHILD-CARE	DUP	06/27/25 15:34	ICV fail for Cr,Ag	Janvi	Not Ok
45	Q2404-12L	1ST-FL-CHILD-CARE	SD	06/27/25 15:38	ICV fail for Cr,Ag	Janvi	Not Ok
46	Q2404-12MS	1ST-FL-CHILD-CARE	MS	06/27/25 15:42	ICV fail for Cr,Ag	Janvi	Not Ok
47	Q2404-12MSD	1ST-FL-CHILD-CARE	MSD	06/27/25 15:47	ICV fail for Cr,Ag	Janvi	Not Ok
48	Q2404-12A	1ST-FL-CHILD-CARE	PS	06/27/25 15:51	ICV fail for Cr,Ag	Janvi	Not Ok
49	PB168598BL	PB168598BL	MB	06/27/25 15:55		Janvi	OK
50	PB168598BS	PB168598BS	LCS	06/27/25 16:00		Janvi	OK
51	CCV04	CCV04	CCV	06/27/25 16:04		Janvi	OK
52	CCB04	CCB04	CCB	06/27/25 16:09		Janvi	OK
53	Q2393-01	PARK AVE -1	SAM	06/27/25 16:13		Janvi	OK
54	Q2393-03	PARK AVE -2	SAM	06/27/25 16:17		Janvi	OK
55	Q2393-05	PARK AVE -3	SAM	06/27/25 16:22		Janvi	OK
56	Q2393-07	PARK AVE -4	SAM	06/27/25 16:26		Janvi	OK
57	Q2393-09	PARK AVE -5	SAM	06/27/25 16:30		Janvi	OK
58	Q2393-11	PARK AVE -6	SAM	06/27/25 16:35		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

59	Q2393-11DUP	PARK AVE -6DUP	DUP	06/27/25 16:39		Janvi	OK
60	Q2393-11L	PARK AVE -6L	SD	06/27/25 16:43		Janvi	OK
61	Q2393-11MS	PARK AVE -6MS	MS	06/27/25 16:48		Janvi	OK
62	Q2393-11MSD	PARK AVE -6MSD	MSD	06/27/25 16:52		Janvi	OK
63	CCV05	CCV05	CCV	06/27/25 16:56		Janvi	OK
64	CCB05	CCB05	CCB	06/27/25 17:01		Janvi	OK
65	Q2393-11A	PARK AVE -6A	PS	06/27/25 17:05		Janvi	OK
66	Q2394-01	MH-K/L	SAM	06/27/25 17:09		Janvi	OK
67	Q2398-03	M00-25-0179	SAM	06/27/25 17:14		Janvi	OK
68	Q2398-06	ARS20-0036	SAM	06/27/25 17:18		Janvi	OK
69	Q2399-01	TP-13	SAM	06/27/25 17:22		Janvi	OK
70	Q2399-05	EP-7	SAM	06/27/25 17:27		Janvi	OK
71	Q2400-01	B-156-SB01	SAM	06/27/25 17:31		Janvi	OK
72	Q2400-02	B-134-SB01	SAM	06/27/25 17:36		Janvi	OK
73	Q2403-05DL	Concrete-062325DL	SAM	06/27/25 17:40	Report 5X for straight	Janvi	OK
74	PB168628BL	PB168628BL	MB	06/27/25 17:45		Janvi	OK
75	CCV06	CCV06	CCV	06/27/25 17:49		Janvi	OK
76	CCB06	CCB06	CCB	06/27/25 17:53		Janvi	OK
77	PB168628BS	PB168628BS	LCS	06/27/25 17:58		Janvi	OK
78	Q2414-01	WC-1	SAM	06/27/25 18:02		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

79	Q2415-01	WC-1	SAM	06/27/25 18:06		Janvi	OK
80	Q2416-01	MH-G/H	SAM	06/27/25 18:11		Janvi	OK
81	Q2420-01	72-11933	SAM	06/27/25 18:15		Janvi	OK
82	Q2425-01	COMP-1	SAM	06/27/25 18:19		Janvi	OK
83	Q2425-02	COMP-2	SAM	06/27/25 18:24		Janvi	OK
84	Q2413-01	TP-35	SAM	06/27/25 18:28		Janvi	OK
85	Q2413-02	TP-34	SAM	06/27/25 18:33		Janvi	OK
86	Q2413-03	TP-77	SAM	06/27/25 18:37		Janvi	OK
87	CCV07	CCV07	CCV	06/27/25 18:41		Janvi	OK
88	CCB07	CCB07	CCB	06/27/25 18:46		Janvi	OK
89	Q2413-04	TP-74	SAM	06/27/25 18:50		Janvi	OK
90	Q2413-05	TP-73	SAM	06/27/25 18:54		Janvi	OK
91	Q2413-06	TP-72	SAM	06/27/25 18:59		Janvi	OK
92	Q2425-03	COMP-3	SAM	06/27/25 19:03		Janvi	OK
93	Q2425-03DUP	COMP-3DUP	DUP	06/27/25 19:08		Janvi	OK
94	Q2425-03L	COMP-3L	SD	06/27/25 19:12		Janvi	OK
95	Q2425-03MS	COMP-3MS	MS	06/27/25 19:16		Janvi	OK
96	Q2425-03MSD	COMP-3MSD	MSD	06/27/25 19:20		Janvi	OK
97	Q2425-03A	COMP-3A	PS	06/27/25 19:25		Janvi	OK
98	CCV08	CCV08	CCV	06/27/25 19:29		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

99	CCB08	CCB08	CCB	06/27/25 19:33		Janvi	OK
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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181		
ICV Standard	MP86182		
CCV Standard	MP861		
ICSA Standard			
CRI Standard	MP86186		
LCS Standard			
Chk Standard	MP86183,MP86185,MP86187,mp86191		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/26/25 09:50		MOHAN	OK
2	S0.2	S0.2	CAL2	06/26/25 09:52		MOHAN	OK
3	S2.5	S2.5	CAL3	06/26/25 09:55		MOHAN	OK
4	S5	S5	CAL4	06/26/25 09:57		MOHAN	OK
5	S7.5	S7.5	CAL5	06/26/25 09:59		MOHAN	OK
6	S10	S10	CAL6	06/26/25 10:01		MOHAN	OK
7	ICV06	ICV06	ICV	06/26/25 10:05		MOHAN	OK
8	ICB06	ICB06	ICB	06/26/25 10:07		MOHAN	OK
9	CCV16	CCV16	CCV	06/26/25 10:09		MOHAN	OK
10	CCB16	CCB16	CCB	06/26/25 10:11		MOHAN	OK
11	CRA	CRA	CRDL	06/26/25 10:14		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/26/25 10:16		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/26/25 10:18		MOHAN	OK
14	PB168616BL	PB168616BL	MB	06/26/25 10:21		MOHAN	OK
15	PB168616BS	PB168616BS	LCS	06/26/25 10:23		MOHAN	OK
16	Q2392-01	S-1	SAM	06/26/25 10:25		MOHAN	OK
17	Q2393-01	PARK AVE -1	SAM	06/26/25 10:28		MOHAN	OK
18	Q2393-03	PARK AVE -2	SAM	06/26/25 10:30		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181		
ICV Standard	MP86182		
CCV Standard	MP861		
ICSA Standard			
CRI Standard	MP86186		
LCS Standard			
Chk Standard	MP86183,MP86185,MP86187,mp86191		

19	Q2393-05	PARK AVE -3	SAM	06/26/25 10:32		MOHAN	OK
20	Q2393-07	PARK AVE -4	SAM	06/26/25 10:34		MOHAN	OK
21	CCV17	CCV17	CCV	06/26/25 10:37		MOHAN	OK
22	CCB17	CCB17	CCB	06/26/25 10:39		MOHAN	OK
23	Q2393-09	PARK AVE -5	SAM	06/26/25 10:41		MOHAN	OK
24	Q2393-11	PARK AVE -6	SAM	06/26/25 10:44		MOHAN	OK
25	Q2394-01	MH-K/L	SAM	06/26/25 10:46		MOHAN	OK
26	Q2398-03	M00-25-0179	SAM	06/26/25 10:48		MOHAN	OK
27	Q2398-06	ARS20-0036	SAM	06/26/25 10:50		MOHAN	OK
28	Q2399-01	TP-13	SAM	06/26/25 10:53		MOHAN	OK
29	Q2399-05	EP-7	SAM	06/26/25 10:55		MOHAN	OK
30	Q2400-01	B-156-SB01	SAM	06/26/25 10:57		MOHAN	OK
31	Q2400-02	B-134-SB01	SAM	06/26/25 11:00		MOHAN	OK
32	Q2403-03	LAW-25-0093	SAM	06/26/25 11:02		MOHAN	OK
33	CCV18	CCV18	CCV	06/26/25 11:07		MOHAN	OK
34	CCB18	CCB18	CCB	06/26/25 11:09		MOHAN	OK
35	Q2403-07	ARS 20-0006	SAM	06/26/25 11:11		MOHAN	OK
36	Q2403-07DUP	ARS 20-0006DUP	DUP	06/26/25 11:14		MOHAN	OK
37	Q2403-07MS	ARS 20-0006MS	MS	06/26/25 11:16		MOHAN	OK
38	Q2403-07MSD	ARS 20-0006MSD	MSD	06/26/25 11:18		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181		
ICV Standard	MP86182		
CCV Standard	MP861		
ICSA Standard			
CRI Standard	MP86186		
LCS Standard			
Chk Standard	MP86183,MP86185,MP86187,mp86191		

39	Q2405-01	MH-M/N	SAM	06/26/25 11:20		MOHAN	OK
40	Q2403-07L	ARS 20-0006L	SD	06/26/25 11:23		MOHAN	OK
41	Q2403-07A	ARS 20-0006A	PS	06/26/25 11:25		MOHAN	OK
42	CCV19	CCV19	CCV	06/26/25 11:27		MOHAN	OK
43	CCB19	CCB19	CCB	06/26/25 11:30		MOHAN	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

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

Start Digest Date: 06/24/2025 Time : 13:15 Temp : 96 °C

End Digest Date: 06/24/2025 Time : 15:32 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: *S/S*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6007
LFS-2	1.00	M6015
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	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6162
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
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#2 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/24/25 16:32	<i>S/S met. dig</i>	<i>[Signature]</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168598BL	PBS598	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168598BS	LCS598	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6015	2
Q2392-01	S-1	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	3
Q2393-01	PARK AVE -1	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	4
Q2393-03	PARK AVE -2	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	5
Q2393-05	PARK AVE -3	N/A	2.43	100	Brown	Yellow	Medium	N/A	N/A	6
Q2393-07	PARK AVE -4	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	7
Q2393-09	PARK AVE -5	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	8
Q2393-11	PARK AVE -6	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	9
Q2393-11MS	PARK AVE -6MS	N/A	2.27	100	Brown	Yellow	Medium	N/A	M6007,M6015	11
Q2393-11MSD	PARK AVE -6MSD	N/A	2.22	100	Brown	Yellow	Medium	N/A	M6007,M6015	12
Q2393-11DUP	PARK AVE -6DUP	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	10
Q2394-01	MH-K/L	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	13
Q2398-03	M00-25-0179	N/A	2.14	100	Brown	Yellow	Medium	N/A	N/A	14
Q2398-06	ARS20-0036	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	15
Q2399-01	TP-13	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	16
Q2399-05	EP-7	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	17
Q2400-01	B-156-SB01	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	18
Q2400-02	B-134-SB01	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	19

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pipette ID : HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

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

Start Digest Date: 06/24/2025 Time : 15:35 Temp : 95 °C

End Digest Date: 06/24/2025 Time : 16:06 Temp : 94 °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	MP86182
CCV	30mL	MP86184
CRA	30mL	MP86186
Blank Spike	0.48mL	MP86174
Matrix Spike	N/A	MP86174

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP86188
KMnO4 (5%)	4.5mL	MP85893
Hydroxylamine HCL (12%)	2.0mL	MP85895
PTFE Boiling Stones	-----	M5582
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	MP86175
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86177
2.5 ppb	S2.5	30mL	MP86178
5.0 ppb	S5.0	30mL	MP86179
7.5 ppb	S7.5	30mL	MP86180
10.0 ppb	S10.0	30mL	MP86181
ICV	ICV	30mL	MP86182
ICB	ICB	30mL	MP86183
CCV	CCV	30mL	MP86184
CCB	CCB	30mL	MP86185
CRI	CRI	30mL	MP86186
CHK STD	CHK STD	30mL	MP86187

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/24/25 16:40	<i>MB - 1119 LLS</i>	<i>MB - 1119 LLS</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168616BL	PBS616	0.51	35	NA	N/A	3-1
PB168616BS	LCS616	0.53	35	NA	MP86174	2
Q2392-01	S-1	0.54	35	NA	N/A	3
Q2393-01	PARK AVE -1	0.53	35	NA	N/A	4
Q2393-03	PARK AVE -2	0.58	35	NA	N/A	5
Q2393-05	PARK AVE -3	0.51	35	NA	N/A	6
Q2393-07	PARK AVE -4	0.57	35	NA	N/A	7
Q2393-09	PARK AVE -5	0.59	35	NA	N/A	8
Q2393-11	PARK AVE -6	0.53	35	NA	N/A	9
Q2394-01	MH-K/L	0.58	35	NA	N/A	10
Q2398-03	M00-25-0179	0.56	35	NA	N/A	11
Q2398-06	ARS20-0036	0.57	35	NA	N/A	12
Q2399-01	TP-13	0.55	35	NA	N/A	13
Q2399-05	EP-7	0.58	35	NA	N/A	14
Q2400-01	B-156-SB01	0.56	35	NA	N/A	15
Q2400-02	B-134-SB01	0.54	35	NA	N/A	16
Q2403-03	LAW-25-0093	0.55	35	NA	N/A	17
Q2403-07	ARS 20-006	0.56	35	NA	N/A	18
Q2403-07DUP	ARS 20-006DUP	0.56	35	NA	N/A	19
Q2403-07MS	ARS 20-006MS	0.57	35	NA	MP86174	20
Q2403-07MSD	ARS 20-006MSD	0.53	35	NA	MP86174	21
Q2405-01	MH-M/H	0.58	35	NA	N/A	22