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

Hit Summary Sheet
SW-846

SDG No.: Q2832 **Order ID:** Q2832

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TG-S01								
Q2832-01	TG-S01	SOIL	Aluminum	4280		0.84	5.00	mg/Kg
Q2832-01	TG-S01	SOIL	Antimony	3.49		0.22	2.50	mg/Kg
Q2832-01	TG-S01	SOIL	Arsenic	4.25		0.19	1.00	mg/Kg
Q2832-01	TG-S01	SOIL	Barium	49.3		0.73	5.00	mg/Kg
Q2832-01	TG-S01	SOIL	Beryllium	0.38		0.025	0.30	mg/Kg
Q2832-01	TG-S01	SOIL	Cadmium	0.67		0.024	0.30	mg/Kg
Q2832-01	TG-S01	SOIL	Calcium	3530		11.1	100	mg/Kg
Q2832-01	TG-S01	SOIL	Chromium	14.9		0.047	0.50	mg/Kg
Q2832-01	TG-S01	SOIL	Cobalt	6.14		0.10	1.50	mg/Kg
Q2832-01	TG-S01	SOIL	Copper	41.6		0.22	1.00	mg/Kg
Q2832-01	TG-S01	SOIL	Iron	12900		3.99	5.00	mg/Kg
Q2832-01	TG-S01	SOIL	Lead	176		0.13	0.60	mg/Kg
Q2832-01	TG-S01	SOIL	Magnesium	2060		12.0	100	mg/Kg
Q2832-01	TG-S01	SOIL	Manganese	184		0.14	1.00	mg/Kg
Q2832-01	TG-S01	SOIL	Mercury	1.41	D	0.037	0.067	mg/Kg
Q2832-01	TG-S01	SOIL	Nickel	15.2		0.13	2.00	mg/Kg
Q2832-01	TG-S01	SOIL	Potassium	514		27.7	100	mg/Kg
Q2832-01	TG-S01	SOIL	Selenium	0.30	J	0.26	1.00	mg/Kg
Q2832-01	TG-S01	SOIL	Silver	0.55		0.12	0.50	mg/Kg
Q2832-01	TG-S01	SOIL	Sodium	138		17.8	100	mg/Kg
Q2832-01	TG-S01	SOIL	Vanadium	15.0		0.25	2.00	mg/Kg
Q2832-01	TG-S01	SOIL	Zinc	76.3		0.23	2.00	mg/Kg
Client ID : TG-S02								
Q2832-03	TG-S02	SOIL	Aluminum	5370		0.84	5.02	mg/Kg
Q2832-03	TG-S02	SOIL	Antimony	0.39	J	0.22	2.51	mg/Kg
Q2832-03	TG-S02	SOIL	Arsenic	8.16		0.19	1.00	mg/Kg
Q2832-03	TG-S02	SOIL	Barium	67.4		0.73	5.02	mg/Kg
Q2832-03	TG-S02	SOIL	Beryllium	0.51		0.025	0.30	mg/Kg
Q2832-03	TG-S02	SOIL	Cadmium	1.08		0.024	0.30	mg/Kg
Q2832-03	TG-S02	SOIL	Calcium	4580		11.1	100	mg/Kg
Q2832-03	TG-S02	SOIL	Chromium	17.8		0.047	0.50	mg/Kg
Q2832-03	TG-S02	SOIL	Cobalt	8.23		0.10	1.51	mg/Kg
Q2832-03	TG-S02	SOIL	Copper	71.0		0.22	1.00	mg/Kg
Q2832-03	TG-S02	SOIL	Iron	18800		4.00	5.02	mg/Kg
Q2832-03	TG-S02	SOIL	Lead	146		0.13	0.60	mg/Kg
Q2832-03	TG-S02	SOIL	Magnesium	3450		12.0	100	mg/Kg
Q2832-03	TG-S02	SOIL	Manganese	233		0.14	1.00	mg/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2832 **Order ID:** Q2832

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2832-03	TG-S02	SOIL	Mercury	0.35		0.0080	0.014	mg/Kg
Q2832-03	TG-S02	SOIL	Nickel	21.6		0.13	2.01	mg/Kg
Q2832-03	TG-S02	SOIL	Potassium	848		27.8	100	mg/Kg
Q2832-03	TG-S02	SOIL	Selenium	0.57	J	0.26	1.00	mg/Kg
Q2832-03	TG-S02	SOIL	Silver	0.77		0.12	0.50	mg/Kg
Q2832-03	TG-S02	SOIL	Sodium	156		17.9	100	mg/Kg
Q2832-03	TG-S02	SOIL	Vanadium	23.0		0.25	2.01	mg/Kg
Q2832-03	TG-S02	SOIL	Zinc	120		0.23	2.01	mg/Kg
Client ID :	**TG-S03**							
Q2832-05	TG-S03	SOIL	Aluminum	5880		0.81	4.85	mg/Kg
Q2832-05	TG-S03	SOIL	Antimony	1.62	J	0.21	2.42	mg/Kg
Q2832-05	TG-S03	SOIL	Arsenic	10.3		0.18	0.97	mg/Kg
Q2832-05	TG-S03	SOIL	Barium	77.1		0.71	4.85	mg/Kg
Q2832-05	TG-S03	SOIL	Beryllium	0.63		0.024	0.29	mg/Kg
Q2832-05	TG-S03	SOIL	Cadmium	1.84		0.023	0.29	mg/Kg
Q2832-05	TG-S03	SOIL	Calcium	5360		10.8	96.9	mg/Kg
Q2832-05	TG-S03	SOIL	Chromium	27.4		0.046	0.49	mg/Kg
Q2832-05	TG-S03	SOIL	Cobalt	13.7		0.097	1.45	mg/Kg
Q2832-05	TG-S03	SOIL	Copper	130		0.21	0.97	mg/Kg
Q2832-05	TG-S03	SOIL	Iron	22300		3.87	4.85	mg/Kg
Q2832-05	TG-S03	SOIL	Lead	208		0.13	0.58	mg/Kg
Q2832-05	TG-S03	SOIL	Magnesium	2870		11.6	96.9	mg/Kg
Q2832-05	TG-S03	SOIL	Manganese	282		0.14	0.97	mg/Kg
Q2832-05	TG-S03	SOIL	Mercury	0.49		0.0070	0.013	mg/Kg
Q2832-05	TG-S03	SOIL	Nickel	44.9		0.13	1.94	mg/Kg
Q2832-05	TG-S03	SOIL	Potassium	816		26.8	96.9	mg/Kg
Q2832-05	TG-S03	SOIL	Selenium	0.68	J	0.25	0.97	mg/Kg
Q2832-05	TG-S03	SOIL	Silver	0.95		0.12	0.49	mg/Kg
Q2832-05	TG-S03	SOIL	Sodium	170		17.3	96.9	mg/Kg
Q2832-05	TG-S03	SOIL	Vanadium	29.9		0.24	1.94	mg/Kg
Q2832-05	TG-S03	SOIL	Zinc	220		0.22	1.94	mg/Kg
Client ID :	**TG-S04**							
Q2832-07	TG-S04	SOIL	Aluminum	6050		0.82	4.86	mg/Kg
Q2832-07	TG-S04	SOIL	Antimony	2.55		0.21	2.43	mg/Kg
Q2832-07	TG-S04	SOIL	Arsenic	14.0		0.19	0.97	mg/Kg
Q2832-07	TG-S04	SOIL	Barium	137		0.71	4.86	mg/Kg
Q2832-07	TG-S04	SOIL	Beryllium	0.90		0.024	0.29	mg/Kg
Q2832-07	TG-S04	SOIL	Cadmium	2.65		0.023	0.29	mg/Kg
Q2832-07	TG-S04	SOIL	Calcium	5510		10.8	97.2	mg/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2832 **Order ID:** Q2832

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2832-07	TG-S04	SOIL	Chromium	128		0.046	0.49	mg/Kg
Q2832-07	TG-S04	SOIL	Cobalt	29.7		0.097	1.46	mg/Kg
Q2832-07	TG-S04	SOIL	Copper	235		0.21	0.97	mg/Kg
Q2832-07	TG-S04	SOIL	Iron	29500		3.88	4.86	mg/Kg
Q2832-07	TG-S04	SOIL	Lead	250		0.13	0.58	mg/Kg
Q2832-07	TG-S04	SOIL	Magnesium	3680		11.7	97.2	mg/Kg
Q2832-07	TG-S04	SOIL	Manganese	326		0.14	0.97	mg/Kg
Q2832-07	TG-S04	SOIL	Mercury	0.44		0.0070	0.013	mg/Kg
Q2832-07	TG-S04	SOIL	Nickel	152		0.13	1.94	mg/Kg
Q2832-07	TG-S04	SOIL	Potassium	934		26.9	97.2	mg/Kg
Q2832-07	TG-S04	SOIL	Selenium	1.05		0.25	0.97	mg/Kg
Q2832-07	TG-S04	SOIL	Silver	1.19		0.12	0.49	mg/Kg
Q2832-07	TG-S04	SOIL	Sodium	295		17.3	97.2	mg/Kg
Q2832-07	TG-S04	SOIL	Vanadium	57.2		0.24	1.94	mg/Kg
Q2832-07	TG-S04	SOIL	Zinc	334		0.22	1.94	mg/Kg
Client ID : TG-S05								
Q2832-09	TG-S05	SOIL	Aluminum	3310		0.79	4.68	mg/Kg
Q2832-09	TG-S05	SOIL	Antimony	7.25		0.21	2.34	mg/Kg
Q2832-09	TG-S05	SOIL	Arsenic	23.7		0.18	0.94	mg/Kg
Q2832-09	TG-S05	SOIL	Barium	217		0.68	4.68	mg/Kg
Q2832-09	TG-S05	SOIL	Beryllium	0.83		0.023	0.28	mg/Kg
Q2832-09	TG-S05	SOIL	Cadmium	1.71		0.022	0.28	mg/Kg
Q2832-09	TG-S05	SOIL	Calcium	4400		10.4	93.6	mg/Kg
Q2832-09	TG-S05	SOIL	Chromium	40.4		0.044	0.47	mg/Kg
Q2832-09	TG-S05	SOIL	Cobalt	7.36		0.094	1.40	mg/Kg
Q2832-09	TG-S05	SOIL	Copper	206		0.21	0.94	mg/Kg
Q2832-09	TG-S05	SOIL	Iron	35300		3.74	4.68	mg/Kg
Q2832-09	TG-S05	SOIL	Lead	544		0.12	0.56	mg/Kg
Q2832-09	TG-S05	SOIL	Magnesium	1030		11.2	93.6	mg/Kg
Q2832-09	TG-S05	SOIL	Manganese	162		0.13	0.94	mg/Kg
Q2832-09	TG-S05	SOIL	Mercury	0.70		0.0080	0.015	mg/Kg
Q2832-09	TG-S05	SOIL	Nickel	26.0		0.12	1.87	mg/Kg
Q2832-09	TG-S05	SOIL	Potassium	479		25.9	93.6	mg/Kg
Q2832-09	TG-S05	SOIL	Selenium	2.73		0.24	0.94	mg/Kg
Q2832-09	TG-S05	SOIL	Silver	1.19		0.11	0.47	mg/Kg
Q2832-09	TG-S05	SOIL	Sodium	162		16.7	93.6	mg/Kg
Q2832-09	TG-S05	SOIL	Vanadium	28.5		0.23	1.87	mg/Kg
Q2832-09	TG-S05	SOIL	Zinc	118		0.22	1.87	mg/Kg

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4280		1	0.84	5.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-36-0	Antimony	3.49		1	0.22	2.50	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-38-2	Arsenic	4.25		1	0.19	1.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-39-3	Barium	49.3		1	0.73	5.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-41-7	Beryllium	0.38		1	0.025	0.30	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-43-9	Cadmium	0.67		1	0.024	0.30	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-70-2	Calcium	3530		1	11.1	100	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-47-3	Chromium	14.9	N	1	0.047	0.50	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-48-4	Cobalt	6.14		1	0.10	1.50	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-50-8	Copper	41.6		1	0.22	1.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7439-89-6	Iron	12900		1	3.99	5.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7439-92-1	Lead	176		1	0.13	0.60	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7439-95-4	Magnesium	2060		1	12.0	100	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7439-96-5	Manganese	184	*	1	0.14	1.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7439-97-6	Mercury	1.41	DN*	5	0.037	0.067	mg/Kg	08/13/25 10:30	08/13/25 15:44	7471B	
7440-02-0	Nickel	15.2		1	0.13	2.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-09-7	Potassium	514		1	27.7	100	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7782-49-2	Selenium	0.30	J	1	0.26	1.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-22-4	Silver	0.55		1	0.12	0.50	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-23-5	Sodium	138	N	1	17.8	100	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-62-2	Vanadium	15.0	N	1	0.25	2.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050
7440-66-6	Zinc	76.3		1	0.23	2.00	mg/Kg	08/12/25 13:05	08/14/25 12:59	6010D	SW3050

Color Before:	Dark 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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	94

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5370		1	0.84	5.02	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-36-0	Antimony	0.39	J	1	0.22	2.51	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-38-2	Arsenic	8.16		1	0.19	1.00	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-39-3	Barium	67.4		1	0.73	5.02	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-41-7	Beryllium	0.51		1	0.025	0.30	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-43-9	Cadmium	1.08		1	0.024	0.30	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-70-2	Calcium	4580		1	11.1	100	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-47-3	Chromium	17.8	N	1	0.047	0.50	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-48-4	Cobalt	8.23		1	0.10	1.51	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-50-8	Copper	71.0		1	0.22	1.00	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7439-89-6	Iron	18800		1	4.00	5.02	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7439-92-1	Lead	146		1	0.13	0.60	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7439-95-4	Magnesium	3450		1	12.0	100	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7439-96-5	Manganese	233	*	1	0.14	1.00	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7439-97-6	Mercury	0.35	N*	1	0.0080	0.014	mg/Kg	08/13/25 10:30	08/13/25 15:02	7471B	
7440-02-0	Nickel	21.6		1	0.13	2.01	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-09-7	Potassium	848		1	27.8	100	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7782-49-2	Selenium	0.57	J	1	0.26	1.00	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-22-4	Silver	0.77		1	0.12	0.50	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-23-5	Sodium	156	N	1	17.9	100	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.01	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-62-2	Vanadium	23.0	N	1	0.25	2.01	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050
7440-66-6	Zinc	120		1	0.23	2.01	mg/Kg	08/12/25 13:05	08/13/25 17:25	6010D	SW3050

Color Before:	Dark 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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5880		1	0.81	4.85	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-36-0	Antimony	1.62	J	1	0.21	2.42	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-38-2	Arsenic	10.3		1	0.18	0.97	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-39-3	Barium	77.1		1	0.71	4.85	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-41-7	Beryllium	0.63		1	0.024	0.29	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-43-9	Cadmium	1.84		1	0.023	0.29	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-70-2	Calcium	5360		1	10.8	96.9	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-47-3	Chromium	27.4	N	1	0.046	0.49	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-48-4	Cobalt	13.7		1	0.097	1.45	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-50-8	Copper	130		1	0.21	0.97	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7439-89-6	Iron	22300		1	3.87	4.85	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7439-92-1	Lead	208		1	0.13	0.58	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7439-95-4	Magnesium	2870		1	11.6	96.9	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7439-96-5	Manganese	282	*	1	0.14	0.97	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7439-97-6	Mercury	0.49	N*	1	0.0070	0.013	mg/Kg	08/13/25 10:30	08/13/25 15:05	7471B	
7440-02-0	Nickel	44.9		1	0.13	1.94	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-09-7	Potassium	816		1	26.8	96.9	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7782-49-2	Selenium	0.68	J	1	0.25	0.97	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-22-4	Silver	0.95		1	0.12	0.49	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-23-5	Sodium	170	N	1	17.3	96.9	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.94	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-62-2	Vanadium	29.9	N	1	0.24	1.94	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050
7440-66-6	Zinc	220		1	0.22	1.94	mg/Kg	08/12/25 13:05	08/13/25 17:29	6010D	SW3050

Color Before:	Dark 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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6050		1	0.82	4.86	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-36-0	Antimony	2.55		1	0.21	2.43	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-38-2	Arsenic	14.0		1	0.19	0.97	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-39-3	Barium	137		1	0.71	4.86	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-41-7	Beryllium	0.90		1	0.024	0.29	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-43-9	Cadmium	2.65		1	0.023	0.29	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-70-2	Calcium	5510		1	10.8	97.2	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-47-3	Chromium	128	N	1	0.046	0.49	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-48-4	Cobalt	29.7		1	0.097	1.46	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-50-8	Copper	235		1	0.21	0.97	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7439-89-6	Iron	29500		1	3.88	4.86	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7439-92-1	Lead	250		1	0.13	0.58	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7439-95-4	Magnesium	3680		1	11.7	97.2	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7439-96-5	Manganese	326	*	1	0.14	0.97	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7439-97-6	Mercury	0.44	N*	1	0.0070	0.013	mg/Kg	08/13/25 10:30	08/13/25 15:08	7471B	
7440-02-0	Nickel	152		1	0.13	1.94	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-09-7	Potassium	934		1	26.9	97.2	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7782-49-2	Selenium	1.05		1	0.25	0.97	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-22-4	Silver	1.19		1	0.12	0.49	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-23-5	Sodium	295	N	1	17.3	97.2	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.94	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-62-2	Vanadium	57.2	N	1	0.24	1.94	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050
7440-66-6	Zinc	334		1	0.22	1.94	mg/Kg	08/12/25 13:05	08/13/25 17:33	6010D	SW3050

Color Before:	Dark 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.
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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3310		1	0.79	4.68	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-36-0	Antimony	7.25		1	0.21	2.34	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-38-2	Arsenic	23.7		1	0.18	0.94	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-39-3	Barium	217		1	0.68	4.68	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-41-7	Beryllium	0.83		1	0.023	0.28	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-43-9	Cadmium	1.71		1	0.022	0.28	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-70-2	Calcium	4400		1	10.4	93.6	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-47-3	Chromium	40.4	N	1	0.044	0.47	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-48-4	Cobalt	7.36		1	0.094	1.40	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-50-8	Copper	206		1	0.21	0.94	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7439-89-6	Iron	35300		1	3.74	4.68	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7439-92-1	Lead	544		1	0.12	0.56	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7439-95-4	Magnesium	1030		1	11.2	93.6	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7439-96-5	Manganese	162	*	1	0.13	0.94	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7439-97-6	Mercury	0.70	N*	1	0.0080	0.015	mg/Kg	08/13/25 10:30	08/13/25 15:11	7471B	
7440-02-0	Nickel	26.0		1	0.12	1.87	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-09-7	Potassium	479		1	25.9	93.6	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7782-49-2	Selenium	2.73		1	0.24	0.94	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-22-4	Silver	1.19		1	0.11	0.47	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-23-5	Sodium	162	N	1	16.7	93.6	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.87	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-62-2	Vanadium	28.5	N	1	0.23	1.87	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050
7440-66-6	Zinc	118		1	0.22	1.87	mg/Kg	08/12/25 13:05	08/13/25 16:52	6010D	SW3050

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB13	Mercury	0.076	+/-0.2	U	0.20	CV	08/13/2025	14:41	LB136799

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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB38	Mercury	0.076	+/-0.2	U	0.20	CV	08/13/2025	14:46	LB136799
CCB39	Mercury	0.076	+/-0.2	U	0.20	CV	08/13/2025	15:15	LB136799
CCB40	Mercury	0.076	+/-0.2	U	0.20	CV	08/13/2025	15:49	LB136799

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	08/13/2025	12:33	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	12:33	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	12:33	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	12:33	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	12:33	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	12:33	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	12:33	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	12:33	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	12:33	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	12:33	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	12:33	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	12:33	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	12:33	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	12:33	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	12:33	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	12:33	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	12:33	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	12:33	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	12:33	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	12:33	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	12:33	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	12:33	LB136801

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	08/13/2025	13:03	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	13:03	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	13:03	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	13:03	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	13:03	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	13:03	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	13:03	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	13:03	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	13:03	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	13:03	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	13:03	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	13:03	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	13:03	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	13:03	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	13:03	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	13:03	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	13:03	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	13:03	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	13:03	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	13:03	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	13:03	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	13:03	LB136801
CCB02	Aluminum	11.3	+/-50	U	100	P	08/13/2025	13:46	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	13:46	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	13:46	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	13:46	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	13:46	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	13:46	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	13:46	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	13:46	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	13:46	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	13:46	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	13:46	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	13:46	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	13:46	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	13:46	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	13:46	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	13:46	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	13:46	LB136801

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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	08/13/2025	13:46	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	13:46	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	13:46	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	13:46	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	13:46	LB136801
CCB03	Aluminum	11.3	+/-50	U	100	P	08/13/2025	14:37	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	14:37	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	14:37	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	14:37	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	14:37	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	14:37	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	14:37	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	14:37	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	14:37	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	14:37	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	14:37	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	14:37	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	14:37	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	14:37	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	14:37	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	14:37	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	14:37	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	14:37	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	14:37	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	14:37	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	14:37	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	14:37	LB136801
CCB04	Aluminum	11.3	+/-50	U	100	P	08/13/2025	15:27	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	15:27	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	15:27	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	15:27	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	15:27	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	15:27	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	15:27	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	15:27	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	15:27	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	15:27	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	15:27	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	15:27	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	08/13/2025	15:27	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	15:27	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	15:27	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	15:27	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	15:27	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	15:27	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	15:27	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	15:27	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	15:27	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	15:27	LB136801
CCB05	Aluminum	11.3	+/-50	U	100	P	08/13/2025	16:19	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	16:19	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	16:19	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	16:19	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	16:19	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	16:19	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	16:19	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	16:19	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	16:19	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	16:19	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	16:19	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	16:19	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	16:19	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	16:19	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	16:19	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	16:19	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	16:19	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	16:19	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	16:19	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	16:19	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	16:19	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	16:19	LB136801
CCB06	Aluminum	11.3	+/-50	U	100	P	08/13/2025	17:09	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	17:09	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	17:09	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	17:09	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	17:09	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	17:09	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	17:09	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	08/13/2025	17:09	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	17:09	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	17:09	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	17:09	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	17:09	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	17:09	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	17:09	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	17:09	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	17:09	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	17:09	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	17:09	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	17:09	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	17:09	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	17:09	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	17:09	LB136801
CCB07	Aluminum	11.3	+/-50	U	100	P	08/13/2025	17:50	LB136801
	Antimony	6.76	+/-25	U	50.0	P	08/13/2025	17:50	LB136801
	Arsenic	5.12	+/-10	U	20.0	P	08/13/2025	17:50	LB136801
	Barium	14.6	+/-50	U	100	P	08/13/2025	17:50	LB136801
	Beryllium	0.56	+/-3	U	6.00	P	08/13/2025	17:50	LB136801
	Cadmium	0.50	+/-3	U	6.00	P	08/13/2025	17:50	LB136801
	Calcium	234	+/-1000	U	2000	P	08/13/2025	17:50	LB136801
	Chromium	2.12	+/-5	U	10.0	P	08/13/2025	17:50	LB136801
	Cobalt	2.26	+/-15	U	30.0	P	08/13/2025	17:50	LB136801
	Copper	4.60	+/-10	U	20.0	P	08/13/2025	17:50	LB136801
	Iron	23.4	+/-50	U	100	P	08/13/2025	17:50	LB136801
	Lead	2.30	+/-6	U	12.0	P	08/13/2025	17:50	LB136801
	Magnesium	244	+/-1000	U	2000	P	08/13/2025	17:50	LB136801
	Manganese	5.94	+/-10	U	20.0	P	08/13/2025	17:50	LB136801
	Nickel	3.06	+/-20	U	40.0	P	08/13/2025	17:50	LB136801
	Potassium	918	+/-1000	U	2000	P	08/13/2025	17:50	LB136801
	Selenium	9.64	+/-10	U	20.0	P	08/13/2025	17:50	LB136801
	Silver	1.62	+/-5	U	10.0	P	08/13/2025	17:50	LB136801
	Sodium	868	+/-1000	U	2000	P	08/13/2025	17:50	LB136801
	Thallium	4.38	+/-20	U	40.0	P	08/13/2025	17:50	LB136801
	Vanadium	6.26	+/-20	U	40.0	P	08/13/2025	17:50	LB136801
	Zinc	16.7	+/-20	U	40.0	P	08/13/2025	17:50	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	08/14/2025	12:13	LB136837
	Antimony	6.76	+/-25	U	50.0	P	08/14/2025	12:13	LB136837
	Arsenic	5.12	+/-10	U	20.0	P	08/14/2025	12:13	LB136837
	Barium	14.6	+/-50	U	100	P	08/14/2025	12:13	LB136837
	Beryllium	0.56	+/-3	U	6.00	P	08/14/2025	12:13	LB136837
	Cadmium	0.50	+/-3	U	6.00	P	08/14/2025	12:13	LB136837
	Calcium	234	+/-1000	U	2000	P	08/14/2025	12:13	LB136837
	Chromium	2.12	+/-5	U	10.0	P	08/14/2025	12:13	LB136837
	Cobalt	2.26	+/-15	U	30.0	P	08/14/2025	12:13	LB136837
	Copper	4.60	+/-10	U	20.0	P	08/14/2025	12:13	LB136837
	Iron	23.4	+/-50	U	100	P	08/14/2025	12:13	LB136837
	Lead	2.30	+/-6	U	12.0	P	08/14/2025	12:13	LB136837
	Magnesium	244	+/-1000	U	2000	P	08/14/2025	12:13	LB136837
	Manganese	5.94	+/-10	U	20.0	P	08/14/2025	12:13	LB136837
	Nickel	3.06	+/-20	U	40.0	P	08/14/2025	12:13	LB136837
	Potassium	918	+/-1000	U	2000	P	08/14/2025	12:13	LB136837
	Selenium	9.64	+/-10	U	20.0	P	08/14/2025	12:13	LB136837
	Silver	1.62	+/-5	U	10.0	P	08/14/2025	12:13	LB136837
	Sodium	868	+/-1000	U	2000	P	08/14/2025	12:13	LB136837
	Thallium	4.38	+/-20	U	40.0	P	08/14/2025	12:13	LB136837
	Vanadium	6.26	+/-20	U	40.0	P	08/14/2025	12:13	LB136837
	Zinc	16.7	+/-20	U	40.0	P	08/14/2025	12:13	LB136837

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	08/14/2025	12:54	LB136837
	Antimony	6.76	+/-25	U	50.0	P	08/14/2025	12:54	LB136837
	Arsenic	5.12	+/-10	U	20.0	P	08/14/2025	12:54	LB136837
	Barium	14.6	+/-50	U	100	P	08/14/2025	12:54	LB136837
	Beryllium	0.56	+/-3	U	6.00	P	08/14/2025	12:54	LB136837
	Cadmium	0.50	+/-3	U	6.00	P	08/14/2025	12:54	LB136837
	Calcium	234	+/-1000	U	2000	P	08/14/2025	12:54	LB136837
	Chromium	2.12	+/-5	U	10.0	P	08/14/2025	12:54	LB136837
	Cobalt	2.26	+/-15	U	30.0	P	08/14/2025	12:54	LB136837
	Copper	4.60	+/-10	U	20.0	P	08/14/2025	12:54	LB136837
	Iron	23.4	+/-50	U	100	P	08/14/2025	12:54	LB136837
	Lead	2.30	+/-6	U	12.0	P	08/14/2025	12:54	LB136837
	Magnesium	244	+/-1000	U	2000	P	08/14/2025	12:54	LB136837
	Manganese	5.94	+/-10	U	20.0	P	08/14/2025	12:54	LB136837
	Nickel	3.06	+/-20	U	40.0	P	08/14/2025	12:54	LB136837
	Potassium	918	+/-1000	U	2000	P	08/14/2025	12:54	LB136837
	Selenium	9.64	+/-10	U	20.0	P	08/14/2025	12:54	LB136837
	Silver	1.62	+/-5	U	10.0	P	08/14/2025	12:54	LB136837
	Sodium	868	+/-1000	U	2000	P	08/14/2025	12:54	LB136837
	Thallium	4.38	+/-20	U	40.0	P	08/14/2025	12:54	LB136837
	Vanadium	6.26	+/-20	U	40.0	P	08/14/2025	12:54	LB136837
	Zinc	16.7	+/-20	U	40.0	P	08/14/2025	12:54	LB136837
CCB02	Aluminum	11.3	+/-50	U	100	P	08/14/2025	13:46	LB136837
	Antimony	6.76	+/-25	U	50.0	P	08/14/2025	13:46	LB136837
	Arsenic	5.12	+/-10	U	20.0	P	08/14/2025	13:46	LB136837
	Barium	14.6	+/-50	U	100	P	08/14/2025	13:46	LB136837
	Beryllium	0.56	+/-3	U	6.00	P	08/14/2025	13:46	LB136837
	Cadmium	0.50	+/-3	U	6.00	P	08/14/2025	13:46	LB136837
	Calcium	234	+/-1000	U	2000	P	08/14/2025	13:46	LB136837
	Chromium	2.12	+/-5	U	10.0	P	08/14/2025	13:46	LB136837
	Cobalt	2.26	+/-15	U	30.0	P	08/14/2025	13:46	LB136837
	Copper	4.60	+/-10	U	20.0	P	08/14/2025	13:46	LB136837
	Iron	23.4	+/-50	U	100	P	08/14/2025	13:46	LB136837
	Lead	2.30	+/-6	U	12.0	P	08/14/2025	13:46	LB136837
	Magnesium	244	+/-1000	U	2000	P	08/14/2025	13:46	LB136837
	Manganese	5.94	+/-10	U	20.0	P	08/14/2025	13:46	LB136837
	Nickel	3.06	+/-20	U	40.0	P	08/14/2025	13:46	LB136837
	Potassium	918	+/-1000	U	2000	P	08/14/2025	13:46	LB136837
	Selenium	9.64	+/-10	U	20.0	P	08/14/2025	13:46	LB136837

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	08/14/2025	13:46	LB136837
	Sodium	868	+/-1000	U	2000	P	08/14/2025	13:46	LB136837
	Thallium	4.38	+/-20	U	40.0	P	08/14/2025	13:46	LB136837
	Vanadium	6.26	+/-20	U	40.0	P	08/14/2025	13:46	LB136837
	Zinc	16.7	+/-20	U	40.0	P	08/14/2025	13:46	LB136837
CCB03	Aluminum	11.3	+/-50	U	100	P	08/14/2025	14:45	LB136837
	Antimony	6.76	+/-25	U	50.0	P	08/14/2025	14:45	LB136837
	Arsenic	5.12	+/-10	U	20.0	P	08/14/2025	14:45	LB136837
	Barium	14.6	+/-50	U	100	P	08/14/2025	14:45	LB136837
	Beryllium	0.56	+/-3	U	6.00	P	08/14/2025	14:45	LB136837
	Cadmium	0.50	+/-3	U	6.00	P	08/14/2025	14:45	LB136837
	Calcium	234	+/-1000	U	2000	P	08/14/2025	14:45	LB136837
	Chromium	2.12	+/-5	U	10.0	P	08/14/2025	14:45	LB136837
	Cobalt	2.26	+/-15	U	30.0	P	08/14/2025	14:45	LB136837
	Copper	4.60	+/-10	U	20.0	P	08/14/2025	14:45	LB136837
	Iron	23.4	+/-50	U	100	P	08/14/2025	14:45	LB136837
	Lead	2.30	+/-6	U	12.0	P	08/14/2025	14:45	LB136837
	Magnesium	244	+/-1000	U	2000	P	08/14/2025	14:45	LB136837
	Manganese	5.94	+/-10	U	20.0	P	08/14/2025	14:45	LB136837
	Nickel	3.06	+/-20	U	40.0	P	08/14/2025	14:45	LB136837
	Potassium	918	+/-1000	U	2000	P	08/14/2025	14:45	LB136837
	Selenium	9.64	+/-10	U	20.0	P	08/14/2025	14:45	LB136837
	Silver	1.62	+/-5	U	10.0	P	08/14/2025	14:45	LB136837
	Sodium	868	+/-1000	U	2000	P	08/14/2025	14:45	LB136837
	Thallium	4.38	+/-20	U	40.0	P	08/14/2025	14:45	LB136837
	Vanadium	6.26	+/-20	U	40.0	P	08/14/2025	14:45	LB136837
	Zinc	16.7	+/-20	U	40.0	P	08/14/2025	14:45	LB136837
CCB04	Aluminum	11.3	+/-50	U	100	P	08/14/2025	16:02	LB136837
	Antimony	6.76	+/-25	U	50.0	P	08/14/2025	16:02	LB136837
	Arsenic	5.12	+/-10	U	20.0	P	08/14/2025	16:02	LB136837
	Barium	14.6	+/-50	U	100	P	08/14/2025	16:02	LB136837
	Beryllium	0.56	+/-3	U	6.00	P	08/14/2025	16:02	LB136837
	Cadmium	0.50	+/-3	U	6.00	P	08/14/2025	16:02	LB136837
	Calcium	234	+/-1000	U	2000	P	08/14/2025	16:02	LB136837
	Chromium	2.12	+/-5	U	10.0	P	08/14/2025	16:02	LB136837
	Cobalt	2.26	+/-15	U	30.0	P	08/14/2025	16:02	LB136837
	Copper	4.60	+/-10	U	20.0	P	08/14/2025	16:02	LB136837
	Iron	23.4	+/-50	U	100	P	08/14/2025	16:02	LB136837
	Lead	2.30	+/-6	U	12.0	P	08/14/2025	16:02	LB136837

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	08/14/2025	16:02	LB136837
	Manganese	5.94	+/-10	U	20.0	P	08/14/2025	16:02	LB136837
	Nickel	3.06	+/-20	U	40.0	P	08/14/2025	16:02	LB136837
	Potassium	918	+/-1000	U	2000	P	08/14/2025	16:02	LB136837
	Selenium	9.64	+/-10	U	20.0	P	08/14/2025	16:02	LB136837
	Silver	1.62	+/-5	U	10.0	P	08/14/2025	16:02	LB136837
	Sodium	868	+/-1000	U	2000	P	08/14/2025	16:02	LB136837
	Thallium	4.38	+/-20	U	40.0	P	08/14/2025	16:02	LB136837
	Vanadium	6.26	+/-20	U	40.0	P	08/14/2025	16:02	LB136837
	Zinc	16.7	+/-20	U	40.0	P	08/14/2025	16:02	LB136837
CCB05	Aluminum	11.3	+/-50	U	100	P	08/14/2025	17:00	LB136837
	Antimony	6.76	+/-25	U	50.0	P	08/14/2025	17:00	LB136837
	Arsenic	5.12	+/-10	U	20.0	P	08/14/2025	17:00	LB136837
	Barium	14.6	+/-50	U	100	P	08/14/2025	17:00	LB136837
	Beryllium	0.56	+/-3	U	6.00	P	08/14/2025	17:00	LB136837
	Cadmium	0.50	+/-3	U	6.00	P	08/14/2025	17:00	LB136837
	Calcium	234	+/-1000	U	2000	P	08/14/2025	17:00	LB136837
	Chromium	2.12	+/-5	U	10.0	P	08/14/2025	17:00	LB136837
	Cobalt	2.26	+/-15	U	30.0	P	08/14/2025	17:00	LB136837
	Copper	4.60	+/-10	U	20.0	P	08/14/2025	17:00	LB136837
	Iron	23.4	+/-50	U	100	P	08/14/2025	17:00	LB136837
	Lead	2.30	+/-6	U	12.0	P	08/14/2025	17:00	LB136837
	Magnesium	244	+/-1000	U	2000	P	08/14/2025	17:00	LB136837
	Manganese	5.94	+/-10	U	20.0	P	08/14/2025	17:00	LB136837
	Nickel	3.06	+/-20	U	40.0	P	08/14/2025	17:00	LB136837
	Potassium	918	+/-1000	U	2000	P	08/14/2025	17:00	LB136837
	Selenium	9.64	+/-10	U	20.0	P	08/14/2025	17:00	LB136837
	Silver	1.62	+/-5	U	10.0	P	08/14/2025	17:00	LB136837
	Sodium	868	+/-1000	U	2000	P	08/14/2025	17:00	LB136837
	Thallium	4.38	+/-20	U	40.0	P	08/14/2025	17:00	LB136837
	Vanadium	6.26	+/-20	U	40.0	P	08/14/2025	17:00	LB136837
	Zinc	16.7	+/-20	U	40.0	P	08/14/2025	17:00	LB136837
CCB06	Aluminum	11.3	+/-50	U	100	P	08/14/2025	18:05	LB136837
	Antimony	6.76	+/-25	U	50.0	P	08/14/2025	18:05	LB136837
	Arsenic	5.12	+/-10	U	20.0	P	08/14/2025	18:05	LB136837
	Barium	14.6	+/-50	U	100	P	08/14/2025	18:05	LB136837
	Beryllium	0.56	+/-3	U	6.00	P	08/14/2025	18:05	LB136837
	Cadmium	0.50	+/-3	U	6.00	P	08/14/2025	18:05	LB136837
	Calcium	234	+/-1000	U	2000	P	08/14/2025	18:05	LB136837

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	08/14/2025	18:05	LB136837
	Cobalt	2.26	+/-15	U	30.0	P	08/14/2025	18:05	LB136837
	Copper	4.60	+/-10	U	20.0	P	08/14/2025	18:05	LB136837
	Iron	23.4	+/-50	U	100	P	08/14/2025	18:05	LB136837
	Lead	2.30	+/-6	U	12.0	P	08/14/2025	18:05	LB136837
	Magnesium	244	+/-1000	U	2000	P	08/14/2025	18:05	LB136837
	Manganese	5.94	+/-10	U	20.0	P	08/14/2025	18:05	LB136837
	Nickel	3.06	+/-20	U	40.0	P	08/14/2025	18:05	LB136837
	Potassium	918	+/-1000	U	2000	P	08/14/2025	18:05	LB136837
	Selenium	9.64	+/-10	U	20.0	P	08/14/2025	18:05	LB136837
	Silver	1.62	+/-5	U	10.0	P	08/14/2025	18:05	LB136837
	Sodium	868	+/-1000	U	2000	P	08/14/2025	18:05	LB136837
	Thallium	4.38	+/-20	U	40.0	P	08/14/2025	18:05	LB136837
	Vanadium	6.26	+/-20	U	40.0	P	08/14/2025	18:05	LB136837
	Zinc	16.7	+/-20	U	40.0	P	08/14/2025	18:05	LB136837

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169231BL		**SOLID**		**Batch Number:**	**PB169231**		**Prep Date:**	**08/13/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	08/13/2025	14:55	LB136799

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169215BL		**SOLID**		**Batch Number:**	**PB169215**		**Prep Date:**	**08/12/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	08/13/2025	15:15	LB136801
	Antimony	0.22	<1.25	U	2.50	P	08/13/2025	15:15	LB136801
	Arsenic	0.19	<0.5	U	1.00	P	08/13/2025	15:15	LB136801
	Barium	0.73	<2.5	U	5.00	P	08/13/2025	15:15	LB136801
	Beryllium	0.025	<0.15	U	0.30	P	08/13/2025	15:15	LB136801
	Cadmium	0.024	<0.15	U	0.30	P	08/13/2025	15:15	LB136801
	Calcium	11.1	<50	U	100	P	08/13/2025	15:15	LB136801
	Chromium	0.047	<0.25	U	0.50	P	08/13/2025	15:15	LB136801
	Cobalt	0.10	<0.75	U	1.50	P	08/13/2025	15:15	LB136801
	Copper	0.22	<0.5	U	1.00	P	08/13/2025	15:15	LB136801
	Iron	3.99	<2.5	U	5.00	P	08/13/2025	15:15	LB136801
	Lead	0.13	<0.3	U	0.60	P	08/13/2025	15:15	LB136801
	Magnesium	12.0	<50	U	100	P	08/13/2025	15:15	LB136801
	Manganese	0.14	<0.5	U	1.00	P	08/13/2025	15:15	LB136801
	Nickel	0.13	<1	U	2.00	P	08/13/2025	15:15	LB136801
	Potassium	27.7	<50	U	100	P	08/13/2025	15:15	LB136801
	Selenium	0.26	<0.5	U	1.00	P	08/13/2025	15:15	LB136801
	Silver	0.12	<0.25	U	0.50	P	08/13/2025	15:15	LB136801
	Sodium	17.8	<50	U	100	P	08/13/2025	15:15	LB136801
	Thallium	0.23	<1	U	2.00	P	08/13/2025	15:15	LB136801
	Vanadium	0.25	<1	U	2.00	P	08/13/2025	15:15	LB136801
	Zinc	0.23	<1	U	2.00	P	08/13/2025	15:15	LB136801

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture

SDG No.: Q2832

Contract: PORT06

Lab Code: ACE

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
ICV13	Mercury	3.94	4.0	98	90 - 110	CV	08/13/2025	14:39	LB136799

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture

SDG No.: Q2832

Contract: PORT06

Lab Code: ACE

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
CCV38	Mercury	4.98	5.0	100	90 - 110	CV	08/13/2025	14:44	LB136799
CCV39	Mercury	4.88	5.0	98	90 - 110	CV	08/13/2025	15:13	LB136799
CCV40	Mercury	4.76	5.0	95	90 - 110	CV	08/13/2025	15:47	LB136799

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	7680	8000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Antimony	4000	4000	100	90 - 110	P	08/13/2025	12:21	LB136801
	Arsenic	3870	4000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Barium	7790	8000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Beryllium	189	200	95	90 - 110	P	08/13/2025	12:21	LB136801
	Cadmium	1920	2000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Calcium	19200	20000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Chromium	788	800	98	90 - 110	P	08/13/2025	12:21	LB136801
	Cobalt	1950	2000	98	90 - 110	P	08/13/2025	12:21	LB136801
	Copper	997	1000	100	90 - 110	P	08/13/2025	12:21	LB136801
	Iron	3950	4000	99	90 - 110	P	08/13/2025	12:21	LB136801
	Lead	3770	4000	94	90 - 110	P	08/13/2025	12:21	LB136801
	Magnesium	19100	20000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Manganese	1920	2000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Nickel	1950	2000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Potassium	19400	20000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Selenium	3880	4000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Silver	1030	1000	103	90 - 110	P	08/13/2025	12:21	LB136801
	Sodium	19100	20000	96	90 - 110	P	08/13/2025	12:21	LB136801
	Thallium	3750	4000	94	90 - 110	P	08/13/2025	12:21	LB136801
	Vanadium	1940	2000	97	90 - 110	P	08/13/2025	12:21	LB136801
	Zinc	1950	2000	98	90 - 110	P	08/13/2025	12:21	LB136801

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	95.1	100	95	80 - 120	P	08/13/2025	12:28	LB136801
	Antimony	50.1	50.0	100	80 - 120	P	08/13/2025	12:28	LB136801
	Arsenic	21.3	20.0	106	80 - 120	P	08/13/2025	12:28	LB136801
	Barium	94.7	100	95	80 - 120	P	08/13/2025	12:28	LB136801
	Beryllium	6.08	6.0	101	80 - 120	P	08/13/2025	12:28	LB136801
	Cadmium	5.59	6.0	93	80 - 120	P	08/13/2025	12:28	LB136801
	Calcium	2040	2000	102	80 - 120	P	08/13/2025	12:28	LB136801
	Chromium	10.5	10.0	105	80 - 120	P	08/13/2025	12:28	LB136801
	Cobalt	29.4	30.0	98	80 - 120	P	08/13/2025	12:28	LB136801
	Copper	21.3	20.0	107	80 - 120	P	08/13/2025	12:28	LB136801
	Iron	107	100	107	80 - 120	P	08/13/2025	12:28	LB136801
	Lead	11.2	12.0	93	80 - 120	P	08/13/2025	12:28	LB136801
	Magnesium	2120	2000	106	80 - 120	P	08/13/2025	12:28	LB136801
	Manganese	21.0	20.0	105	80 - 120	P	08/13/2025	12:28	LB136801
	Nickel	39.6	40.0	99	80 - 120	P	08/13/2025	12:28	LB136801
	Potassium	1990	2000	100	80 - 120	P	08/13/2025	12:28	LB136801
	Selenium	19.2	20.0	96	80 - 120	P	08/13/2025	12:28	LB136801
	Silver	10.1	10.0	101	80 - 120	P	08/13/2025	12:28	LB136801
	Sodium	1850	2000	92	80 - 120	P	08/13/2025	12:28	LB136801
	Thallium	43.0	40.0	107	80 - 120	P	08/13/2025	12:28	LB136801
	Vanadium	38.9	40.0	97	80 - 120	P	08/13/2025	12:28	LB136801
	Zinc	42.4	40.0	106	80 - 120	P	08/13/2025	12:28	LB136801

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	9630	10000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Antimony	4930	5000	99	90 - 110	P	08/13/2025	12:58	LB136801
	Arsenic	4900	5000	98	90 - 110	P	08/13/2025	12:58	LB136801
	Barium	9640	10000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Beryllium	240	250	96	90 - 110	P	08/13/2025	12:58	LB136801
	Cadmium	2430	2500	97	90 - 110	P	08/13/2025	12:58	LB136801
	Calcium	24100	25000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Chromium	1000	1000	100	90 - 110	P	08/13/2025	12:58	LB136801
	Cobalt	2420	2500	97	90 - 110	P	08/13/2025	12:58	LB136801
	Copper	1230	1250	98	90 - 110	P	08/13/2025	12:58	LB136801
	Iron	5030	5000	101	90 - 110	P	08/13/2025	12:58	LB136801
	Lead	4860	5000	97	90 - 110	P	08/13/2025	12:58	LB136801
	Magnesium	24000	25000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Manganese	2390	2500	96	90 - 110	P	08/13/2025	12:58	LB136801
	Nickel	2430	2500	97	90 - 110	P	08/13/2025	12:58	LB136801
	Potassium	25000	25000	100	90 - 110	P	08/13/2025	12:58	LB136801
	Selenium	4930	5000	98	90 - 110	P	08/13/2025	12:58	LB136801
	Silver	1230	1250	99	90 - 110	P	08/13/2025	12:58	LB136801
	Sodium	24600	25000	99	90 - 110	P	08/13/2025	12:58	LB136801
	Thallium	4820	5000	96	90 - 110	P	08/13/2025	12:58	LB136801
	Vanadium	2420	2500	97	90 - 110	P	08/13/2025	12:58	LB136801
	Zinc	2490	2500	99	90 - 110	P	08/13/2025	12:58	LB136801
CCV02	Aluminum	9700	10000	97	90 - 110	P	08/13/2025	13:42	LB136801
	Antimony	4970	5000	99	90 - 110	P	08/13/2025	13:42	LB136801
	Arsenic	4950	5000	99	90 - 110	P	08/13/2025	13:42	LB136801
	Barium	9660	10000	97	90 - 110	P	08/13/2025	13:42	LB136801
	Beryllium	240	250	96	90 - 110	P	08/13/2025	13:42	LB136801
	Cadmium	2430	2500	97	90 - 110	P	08/13/2025	13:42	LB136801
	Calcium	24200	25000	97	90 - 110	P	08/13/2025	13:42	LB136801
	Chromium	987	1000	99	90 - 110	P	08/13/2025	13:42	LB136801
	Cobalt	2430	2500	97	90 - 110	P	08/13/2025	13:42	LB136801
	Copper	1230	1250	99	90 - 110	P	08/13/2025	13:42	LB136801
	Iron	4980	5000	100	90 - 110	P	08/13/2025	13:42	LB136801
	Lead	4850	5000	97	90 - 110	P	08/13/2025	13:42	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	24100	25000	96	90 - 110	P	08/13/2025	13:42	LB136801
	Manganese	2420	2500	97	90 - 110	P	08/13/2025	13:42	LB136801
	Nickel	2430	2500	97	90 - 110	P	08/13/2025	13:42	LB136801
	Potassium	24600	25000	98	90 - 110	P	08/13/2025	13:42	LB136801
	Selenium	4980	5000	100	90 - 110	P	08/13/2025	13:42	LB136801
	Silver	1240	1250	99	90 - 110	P	08/13/2025	13:42	LB136801
	Sodium	24100	25000	96	90 - 110	P	08/13/2025	13:42	LB136801
	Thallium	4960	5000	99	90 - 110	P	08/13/2025	13:42	LB136801
	Vanadium	2450	2500	98	90 - 110	P	08/13/2025	13:42	LB136801
	Zinc	2460	2500	98	90 - 110	P	08/13/2025	13:42	LB136801
CCV03	Aluminum	9650	10000	96	90 - 110	P	08/13/2025	14:33	LB136801
	Antimony	5020	5000	100	90 - 110	P	08/13/2025	14:33	LB136801
	Arsenic	4990	5000	100	90 - 110	P	08/13/2025	14:33	LB136801
	Barium	9670	10000	97	90 - 110	P	08/13/2025	14:33	LB136801
	Beryllium	238	250	95	90 - 110	P	08/13/2025	14:33	LB136801
	Cadmium	2430	2500	97	90 - 110	P	08/13/2025	14:33	LB136801
	Calcium	24100	25000	96	90 - 110	P	08/13/2025	14:33	LB136801
	Chromium	993	1000	99	90 - 110	P	08/13/2025	14:33	LB136801
	Cobalt	2430	2500	97	90 - 110	P	08/13/2025	14:33	LB136801
	Copper	1240	1250	99	90 - 110	P	08/13/2025	14:33	LB136801
	Iron	5010	5000	100	90 - 110	P	08/13/2025	14:33	LB136801
	Lead	4860	5000	97	90 - 110	P	08/13/2025	14:33	LB136801
	Magnesium	23900	25000	96	90 - 110	P	08/13/2025	14:33	LB136801
	Manganese	2390	2500	96	90 - 110	P	08/13/2025	14:33	LB136801
	Nickel	2440	2500	98	90 - 110	P	08/13/2025	14:33	LB136801
	Potassium	24700	25000	99	90 - 110	P	08/13/2025	14:33	LB136801
	Selenium	5020	5000	100	90 - 110	P	08/13/2025	14:33	LB136801
	Silver	1240	1250	99	90 - 110	P	08/13/2025	14:33	LB136801
	Sodium	23300	25000	93	90 - 110	P	08/13/2025	14:33	LB136801
	Thallium	4820	5000	96	90 - 110	P	08/13/2025	14:33	LB136801
	Vanadium	2450	2500	98	90 - 110	P	08/13/2025	14:33	LB136801
	Zinc	2480	2500	99	90 - 110	P	08/13/2025	14:33	LB136801
CCV04	Aluminum	9760	10000	98	90 - 110	P	08/13/2025	15:23	LB136801
	Antimony	5060	5000	101	90 - 110	P	08/13/2025	15:23	LB136801

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	5010	5000	100	90 - 110	P	08/13/2025	15:23	LB136801
	Barium	9660	10000	97	90 - 110	P	08/13/2025	15:23	LB136801
	Beryllium	239	250	96	90 - 110	P	08/13/2025	15:23	LB136801
	Cadmium	2430	2500	97	90 - 110	P	08/13/2025	15:23	LB136801
	Calcium	24300	25000	97	90 - 110	P	08/13/2025	15:23	LB136801
	Chromium	991	1000	99	90 - 110	P	08/13/2025	15:23	LB136801
	Cobalt	2430	2500	97	90 - 110	P	08/13/2025	15:23	LB136801
	Copper	1240	1250	99	90 - 110	P	08/13/2025	15:23	LB136801
	Iron	5000	5000	100	90 - 110	P	08/13/2025	15:23	LB136801
	Lead	4860	5000	97	90 - 110	P	08/13/2025	15:23	LB136801
	Magnesium	24200	25000	97	90 - 110	P	08/13/2025	15:23	LB136801
	Manganese	2390	2500	96	90 - 110	P	08/13/2025	15:23	LB136801
	Nickel	2440	2500	98	90 - 110	P	08/13/2025	15:23	LB136801
	Potassium	24700	25000	99	90 - 110	P	08/13/2025	15:23	LB136801
	Selenium	5070	5000	101	90 - 110	P	08/13/2025	15:23	LB136801
	Silver	1240	1250	99	90 - 110	P	08/13/2025	15:23	LB136801
	Sodium	23700	25000	95	90 - 110	P	08/13/2025	15:23	LB136801
	Thallium	4760	5000	95	90 - 110	P	08/13/2025	15:23	LB136801
	Vanadium	2470	2500	99	90 - 110	P	08/13/2025	15:23	LB136801
	Zinc	2500	2500	100	90 - 110	P	08/13/2025	15:23	LB136801
CCV05	Aluminum	9690	10000	97	90 - 110	P	08/13/2025	16:14	LB136801
	Antimony	5090	5000	102	90 - 110	P	08/13/2025	16:14	LB136801
	Arsenic	5010	5000	100	90 - 110	P	08/13/2025	16:14	LB136801
	Barium	9840	10000	98	90 - 110	P	08/13/2025	16:14	LB136801
	Beryllium	235	250	94	90 - 110	P	08/13/2025	16:14	LB136801
	Cadmium	2400	2500	96	90 - 110	P	08/13/2025	16:14	LB136801
	Calcium	24100	25000	96	90 - 110	P	08/13/2025	16:14	LB136801
	Chromium	991	1000	99	90 - 110	P	08/13/2025	16:14	LB136801
	Cobalt	2420	2500	97	90 - 110	P	08/13/2025	16:14	LB136801
	Copper	1240	1250	100	90 - 110	P	08/13/2025	16:14	LB136801
	Iron	5090	5000	102	90 - 110	P	08/13/2025	16:14	LB136801
	Lead	4810	5000	96	90 - 110	P	08/13/2025	16:14	LB136801
	Magnesium	23800	25000	95	90 - 110	P	08/13/2025	16:14	LB136801
	Manganese	2380	2500	95	90 - 110	P	08/13/2025	16:14	LB136801

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	2430	2500	97	90 - 110	P	08/13/2025	16:14	LB136801
	Potassium	25000	25000	100	90 - 110	P	08/13/2025	16:14	LB136801
	Selenium	5070	5000	101	90 - 110	P	08/13/2025	16:14	LB136801
	Silver	1250	1250	100	90 - 110	P	08/13/2025	16:14	LB136801
	Sodium	23800	25000	95	90 - 110	P	08/13/2025	16:14	LB136801
	Thallium	4540	5000	91	90 - 110	P	08/13/2025	16:14	LB136801
	Vanadium	2460	2500	98	90 - 110	P	08/13/2025	16:14	LB136801
	Zinc	2510	2500	101	90 - 110	P	08/13/2025	16:14	LB136801
CCV06	Aluminum	9690	10000	97	90 - 110	P	08/13/2025	17:05	LB136801
	Antimony	5110	5000	102	90 - 110	P	08/13/2025	17:05	LB136801
	Arsenic	5040	5000	101	90 - 110	P	08/13/2025	17:05	LB136801
	Barium	9810	10000	98	90 - 110	P	08/13/2025	17:05	LB136801
	Beryllium	238	250	95	90 - 110	P	08/13/2025	17:05	LB136801
	Cadmium	2420	2500	97	90 - 110	P	08/13/2025	17:05	LB136801
	Calcium	24100	25000	97	90 - 110	P	08/13/2025	17:05	LB136801
	Chromium	988	1000	99	90 - 110	P	08/13/2025	17:05	LB136801
	Cobalt	2430	2500	97	90 - 110	P	08/13/2025	17:05	LB136801
	Copper	1250	1250	100	90 - 110	P	08/13/2025	17:05	LB136801
	Iron	5070	5000	102	90 - 110	P	08/13/2025	17:05	LB136801
	Lead	4850	5000	97	90 - 110	P	08/13/2025	17:05	LB136801
	Magnesium	24000	25000	96	90 - 110	P	08/13/2025	17:05	LB136801
	Manganese	2400	2500	96	90 - 110	P	08/13/2025	17:05	LB136801
	Nickel	2440	2500	98	90 - 110	P	08/13/2025	17:05	LB136801
	Potassium	24800	25000	99	90 - 110	P	08/13/2025	17:05	LB136801
	Selenium	5150	5000	103	90 - 110	P	08/13/2025	17:05	LB136801
	Silver	1260	1250	100	90 - 110	P	08/13/2025	17:05	LB136801
	Sodium	23300	25000	93	90 - 110	P	08/13/2025	17:05	LB136801
	Thallium	5380	5000	108	90 - 110	P	08/13/2025	17:05	LB136801
	Vanadium	2460	2500	98	90 - 110	P	08/13/2025	17:05	LB136801
	Zinc	2520	2500	101	90 - 110	P	08/13/2025	17:05	LB136801
CCV07	Aluminum	9840	10000	98	90 - 110	P	08/13/2025	17:46	LB136801
	Antimony	5120	5000	102	90 - 110	P	08/13/2025	17:46	LB136801
	Arsenic	5060	5000	101	90 - 110	P	08/13/2025	17:46	LB136801
	Barium	9850	10000	98	90 - 110	P	08/13/2025	17:46	LB136801

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	241	250	96	90 - 110	P	08/13/2025	17:46	LB136801
	Cadmium	2440	2500	98	90 - 110	P	08/13/2025	17:46	LB136801
	Calcium	24600	25000	98	90 - 110	P	08/13/2025	17:46	LB136801
	Chromium	1010	1000	101	90 - 110	P	08/13/2025	17:46	LB136801
	Cobalt	2450	2500	98	90 - 110	P	08/13/2025	17:46	LB136801
	Copper	1250	1250	100	90 - 110	P	08/13/2025	17:46	LB136801
	Iron	5140	5000	103	90 - 110	P	08/13/2025	17:46	LB136801
	Lead	4880	5000	98	90 - 110	P	08/13/2025	17:46	LB136801
	Magnesium	24400	25000	98	90 - 110	P	08/13/2025	17:46	LB136801
	Manganese	2430	2500	97	90 - 110	P	08/13/2025	17:46	LB136801
	Nickel	2460	2500	98	90 - 110	P	08/13/2025	17:46	LB136801
	Potassium	24800	25000	99	90 - 110	P	08/13/2025	17:46	LB136801
	Selenium	5160	5000	103	90 - 110	P	08/13/2025	17:46	LB136801
	Silver	1260	1250	100	90 - 110	P	08/13/2025	17:46	LB136801
	Sodium	23600	25000	95	90 - 110	P	08/13/2025	17:46	LB136801
	Thallium	5360	5000	107	90 - 110	P	08/13/2025	17:46	LB136801
	Vanadium	2490	2500	100	90 - 110	P	08/13/2025	17:46	LB136801
	Zinc	2530	2500	101	90 - 110	P	08/13/2025	17:46	LB136801

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	8030	8000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Antimony	4100	4000	102	90 - 110	P	08/14/2025	12:05	LB136837
	Arsenic	3980	4000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Barium	8040	8000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Beryllium	202	200	101	90 - 110	P	08/14/2025	12:05	LB136837
	Cadmium	1980	2000	99	90 - 110	P	08/14/2025	12:05	LB136837
	Calcium	20100	20000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Chromium	820	800	102	90 - 110	P	08/14/2025	12:05	LB136837
	Cobalt	2010	2000	101	90 - 110	P	08/14/2025	12:05	LB136837
	Copper	1030	1000	102	90 - 110	P	08/14/2025	12:05	LB136837
	Iron	4050	4000	101	90 - 110	P	08/14/2025	12:05	LB136837
	Lead	3890	4000	97	90 - 110	P	08/14/2025	12:05	LB136837
	Magnesium	20100	20000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Manganese	2020	2000	101	90 - 110	P	08/14/2025	12:05	LB136837
	Nickel	2010	2000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Potassium	19800	20000	99	90 - 110	P	08/14/2025	12:05	LB136837
	Selenium	3970	4000	99	90 - 110	P	08/14/2025	12:05	LB136837
	Silver	1070	1000	107	90 - 110	P	08/14/2025	12:05	LB136837
	Sodium	19700	20000	98	90 - 110	P	08/14/2025	12:05	LB136837
	Thallium	3830	4000	96	90 - 110	P	08/14/2025	12:05	LB136837
	Vanadium	2020	2000	101	90 - 110	P	08/14/2025	12:05	LB136837
	Zinc	2000	2000	100	90 - 110	P	08/14/2025	12:05	LB136837

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	90.2	100	90	80 - 120	P	08/14/2025	12:09	LB136837
	Antimony	53.2	50.0	106	80 - 120	P	08/14/2025	12:09	LB136837
	Arsenic	21.4	20.0	107	80 - 120	P	08/14/2025	12:09	LB136837
	Barium	97.9	100	98	80 - 120	P	08/14/2025	12:09	LB136837
	Beryllium	6.22	6.0	104	80 - 120	P	08/14/2025	12:09	LB136837
	Cadmium	5.85	6.0	97	80 - 120	P	08/14/2025	12:09	LB136837
	Calcium	2090	2000	105	80 - 120	P	08/14/2025	12:09	LB136837
	Chromium	10.7	10.0	107	80 - 120	P	08/14/2025	12:09	LB136837
	Cobalt	29.9	30.0	100	80 - 120	P	08/14/2025	12:09	LB136837
	Copper	21.6	20.0	108	80 - 120	P	08/14/2025	12:09	LB136837
	Iron	112	100	112	80 - 120	P	08/14/2025	12:09	LB136837
	Lead	12.2	12.0	101	80 - 120	P	08/14/2025	12:09	LB136837
	Magnesium	2200	2000	110	80 - 120	P	08/14/2025	12:09	LB136837
	Manganese	21.6	20.0	108	80 - 120	P	08/14/2025	12:09	LB136837
	Nickel	40.2	40.0	100	80 - 120	P	08/14/2025	12:09	LB136837
	Potassium	2030	2000	101	80 - 120	P	08/14/2025	12:09	LB136837
	Selenium	19.6	20.0	98	80 - 120	P	08/14/2025	12:09	LB136837
	Silver	10.5	10.0	105	80 - 120	P	08/14/2025	12:09	LB136837
	Sodium	1920	2000	96	80 - 120	P	08/14/2025	12:09	LB136837
	Thallium	41.7	40.0	104	80 - 120	P	08/14/2025	12:09	LB136837
	Vanadium	39.4	40.0	99	80 - 120	P	08/14/2025	12:09	LB136837
	Zinc	42.9	40.0	107	80 - 120	P	08/14/2025	12:09	LB136837

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	10100	10000	101	90 - 110	P	08/14/2025	12:50	LB136837
	Antimony	5100	5000	102	90 - 110	P	08/14/2025	12:50	LB136837
	Arsenic	5070	5000	102	90 - 110	P	08/14/2025	12:50	LB136837
	Barium	9910	10000	99	90 - 110	P	08/14/2025	12:50	LB136837
	Beryllium	250	250	100	90 - 110	P	08/14/2025	12:50	LB136837
	Cadmium	2490	2500	100	90 - 110	P	08/14/2025	12:50	LB136837
	Calcium	25000	25000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Chromium	1020	1000	102	90 - 110	P	08/14/2025	12:50	LB136837
	Cobalt	2490	2500	100	90 - 110	P	08/14/2025	12:50	LB136837
	Copper	1270	1250	101	90 - 110	P	08/14/2025	12:50	LB136837
	Iron	5010	5000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Lead	4960	5000	99	90 - 110	P	08/14/2025	12:50	LB136837
	Magnesium	24900	25000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Manganese	2470	2500	99	90 - 110	P	08/14/2025	12:50	LB136837
	Nickel	2490	2500	100	90 - 110	P	08/14/2025	12:50	LB136837
	Potassium	25100	25000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Selenium	5140	5000	103	90 - 110	P	08/14/2025	12:50	LB136837
	Silver	1270	1250	102	90 - 110	P	08/14/2025	12:50	LB136837
	Sodium	24900	25000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Thallium	5280	5000	106	90 - 110	P	08/14/2025	12:50	LB136837
	Vanadium	2510	2500	101	90 - 110	P	08/14/2025	12:50	LB136837
	Zinc	2550	2500	102	90 - 110	P	08/14/2025	12:50	LB136837
CCV02	Aluminum	9980	10000	100	90 - 110	P	08/14/2025	13:42	LB136837
	Antimony	5140	5000	103	90 - 110	P	08/14/2025	13:42	LB136837
	Arsenic	5090	5000	102	90 - 110	P	08/14/2025	13:42	LB136837
	Barium	9920	10000	99	90 - 110	P	08/14/2025	13:42	LB136837
	Beryllium	233	250	93	90 - 110	P	08/14/2025	13:42	LB136837
	Cadmium	2460	2500	98	90 - 110	P	08/14/2025	13:42	LB136837
	Calcium	24600	25000	99	90 - 110	P	08/14/2025	13:42	LB136837
	Chromium	1020	1000	102	90 - 110	P	08/14/2025	13:42	LB136837
	Cobalt	2480	2500	99	90 - 110	P	08/14/2025	13:42	LB136837
	Copper	1260	1250	101	90 - 110	P	08/14/2025	13:42	LB136837
	Iron	5260	5000	105	90 - 110	P	08/14/2025	13:42	LB136837
	Lead	4890	5000	98	90 - 110	P	08/14/2025	13:42	LB136837

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	24400	25000	98	90 - 110	P	08/14/2025	13:42	LB136837
	Manganese	2430	2500	97	90 - 110	P	08/14/2025	13:42	LB136837
	Nickel	2480	2500	99	90 - 110	P	08/14/2025	13:42	LB136837
	Potassium	26700	25000	107	90 - 110	P	08/14/2025	13:42	LB136837
	Selenium	5140	5000	103	90 - 110	P	08/14/2025	13:42	LB136837
	Silver	1260	1250	101	90 - 110	P	08/14/2025	13:42	LB136837
	Sodium	25000	25000	100	90 - 110	P	08/14/2025	13:42	LB136837
	Thallium	5040	5000	101	90 - 110	P	08/14/2025	13:42	LB136837
	Vanadium	2500	2500	100	90 - 110	P	08/14/2025	13:42	LB136837
	Zinc	2580	2500	103	90 - 110	P	08/14/2025	13:42	LB136837
CCV03	Aluminum	9770	10000	98	90 - 110	P	08/14/2025	14:41	LB136837
	Antimony	5050	5000	101	90 - 110	P	08/14/2025	14:41	LB136837
	Arsenic	4980	5000	100	90 - 110	P	08/14/2025	14:41	LB136837
	Barium	9880	10000	99	90 - 110	P	08/14/2025	14:41	LB136837
	Beryllium	237	250	95	90 - 110	P	08/14/2025	14:41	LB136837
	Cadmium	2400	2500	96	90 - 110	P	08/14/2025	14:41	LB136837
	Calcium	24200	25000	97	90 - 110	P	08/14/2025	14:41	LB136837
	Chromium	984	1000	98	90 - 110	P	08/14/2025	14:41	LB136837
	Cobalt	2410	2500	96	90 - 110	P	08/14/2025	14:41	LB136837
	Copper	1240	1250	99	90 - 110	P	08/14/2025	14:41	LB136837
	Iron	5010	5000	100	90 - 110	P	08/14/2025	14:41	LB136837
	Lead	4790	5000	96	90 - 110	P	08/14/2025	14:41	LB136837
	Magnesium	24000	25000	96	90 - 110	P	08/14/2025	14:41	LB136837
	Manganese	2410	2500	96	90 - 110	P	08/14/2025	14:41	LB136837
	Nickel	2420	2500	97	90 - 110	P	08/14/2025	14:41	LB136837
	Potassium	25400	25000	102	90 - 110	P	08/14/2025	14:41	LB136837
	Selenium	5000	5000	100	90 - 110	P	08/14/2025	14:41	LB136837
	Silver	1240	1250	99	90 - 110	P	08/14/2025	14:41	LB136837
	Sodium	24300	25000	97	90 - 110	P	08/14/2025	14:41	LB136837
	Thallium	4710	5000	94	90 - 110	P	08/14/2025	14:41	LB136837
	Vanadium	2460	2500	98	90 - 110	P	08/14/2025	14:41	LB136837
	Zinc	2520	2500	101	90 - 110	P	08/14/2025	14:41	LB136837
CCV04	Aluminum	9870	10000	99	90 - 110	P	08/14/2025	15:58	LB136837
	Antimony	5180	5000	104	90 - 110	P	08/14/2025	15:58	LB136837

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	5090	5000	102	90 - 110	P	08/14/2025	15:58	LB136837
	Barium	9790	10000	98	90 - 110	P	08/14/2025	15:58	LB136837
	Beryllium	232	250	93	90 - 110	P	08/14/2025	15:58	LB136837
	Cadmium	2410	2500	96	90 - 110	P	08/14/2025	15:58	LB136837
	Calcium	24200	25000	97	90 - 110	P	08/14/2025	15:58	LB136837
	Chromium	1000	1000	100	90 - 110	P	08/14/2025	15:58	LB136837
	Cobalt	2430	2500	97	90 - 110	P	08/14/2025	15:58	LB136837
	Copper	1260	1250	100	90 - 110	P	08/14/2025	15:58	LB136837
	Iron	5210	5000	104	90 - 110	P	08/14/2025	15:58	LB136837
	Lead	4810	5000	96	90 - 110	P	08/14/2025	15:58	LB136837
	Magnesium	24000	25000	96	90 - 110	P	08/14/2025	15:58	LB136837
	Manganese	2410	2500	96	90 - 110	P	08/14/2025	15:58	LB136837
	Nickel	2440	2500	98	90 - 110	P	08/14/2025	15:58	LB136837
	Potassium	26500	25000	106	90 - 110	P	08/14/2025	15:58	LB136837
	Selenium	5210	5000	104	90 - 110	P	08/14/2025	15:58	LB136837
	Silver	1260	1250	101	90 - 110	P	08/14/2025	15:58	LB136837
	Sodium	25100	25000	100	90 - 110	P	08/14/2025	15:58	LB136837
	Thallium	5210	5000	104	90 - 110	P	08/14/2025	15:58	LB136837
	Vanadium	2470	2500	99	90 - 110	P	08/14/2025	15:58	LB136837
	Zinc	2580	2500	103	90 - 110	P	08/14/2025	15:58	LB136837
CCV05	Aluminum	9710	10000	97	90 - 110	P	08/14/2025	16:50	LB136837
	Antimony	5230	5000	105	90 - 110	P	08/14/2025	16:50	LB136837
	Arsenic	5110	5000	102	90 - 110	P	08/14/2025	16:50	LB136837
	Barium	9710	10000	97	90 - 110	P	08/14/2025	16:50	LB136837
	Beryllium	228	250	91	90 - 110	P	08/14/2025	16:50	LB136837
	Cadmium	2390	2500	96	90 - 110	P	08/14/2025	16:50	LB136837
	Calcium	23800	25000	95	90 - 110	P	08/14/2025	16:50	LB136837
	Chromium	985	1000	98	90 - 110	P	08/14/2025	16:50	LB136837
	Cobalt	2410	2500	96	90 - 110	P	08/14/2025	16:50	LB136837
	Copper	1260	1250	100	90 - 110	P	08/14/2025	16:50	LB136837
	Iron	5160	5000	103	90 - 110	P	08/14/2025	16:50	LB136837
	Lead	4770	5000	96	90 - 110	P	08/14/2025	16:50	LB136837
	Magnesium	23500	25000	94	90 - 110	P	08/14/2025	16:50	LB136837
	Manganese	2360	2500	94	90 - 110	P	08/14/2025	16:50	LB136837

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Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	2430	2500	97	90 - 110	P	08/14/2025	16:50	LB136837
	Potassium	26500	25000	106	90 - 110	P	08/14/2025	16:50	LB136837
	Selenium	5230	5000	104	90 - 110	P	08/14/2025	16:50	LB136837
	Silver	1250	1250	100	90 - 110	P	08/14/2025	16:50	LB136837
	Sodium	23300	25000	93	90 - 110	P	08/14/2025	16:50	LB136837
	Thallium	4710	5000	94	90 - 110	P	08/14/2025	16:50	LB136837
	Vanadium	2450	2500	98	90 - 110	P	08/14/2025	16:50	LB136837
	Zinc	2590	2500	104	90 - 110	P	08/14/2025	16:50	LB136837
CCV06	Aluminum	9730	10000	97	90 - 110	P	08/14/2025	17:54	LB136837
	Antimony	5260	5000	105	90 - 110	P	08/14/2025	17:54	LB136837
	Arsenic	5150	5000	103	90 - 110	P	08/14/2025	17:54	LB136837
	Barium	9970	10000	100	90 - 110	P	08/14/2025	17:54	LB136837
	Beryllium	243	250	97	90 - 110	P	08/14/2025	17:54	LB136837
	Cadmium	2380	2500	95	90 - 110	P	08/14/2025	17:54	LB136837
	Calcium	24000	25000	96	90 - 110	P	08/14/2025	17:54	LB136837
	Chromium	984	1000	98	90 - 110	P	08/14/2025	17:54	LB136837
	Cobalt	2410	2500	96	90 - 110	P	08/14/2025	17:54	LB136837
	Copper	1260	1250	100	90 - 110	P	08/14/2025	17:54	LB136837
	Iron	5310	5000	106	90 - 110	P	08/14/2025	17:54	LB136837
	Lead	4750	5000	95	90 - 110	P	08/14/2025	17:54	LB136837
	Magnesium	23400	25000	94	90 - 110	P	08/14/2025	17:54	LB136837
	Manganese	2400	2500	96	90 - 110	P	08/14/2025	17:54	LB136837
	Nickel	2430	2500	97	90 - 110	P	08/14/2025	17:54	LB136837
	Potassium	26900	25000	108	90 - 110	P	08/14/2025	17:54	LB136837
	Selenium	5260	5000	105	90 - 110	P	08/14/2025	17:54	LB136837
	Silver	1250	1250	100	90 - 110	P	08/14/2025	17:54	LB136837
	Sodium	25000	25000	100	90 - 110	P	08/14/2025	17:54	LB136837
	Thallium	5000	5000	100	90 - 110	P	08/14/2025	17:54	LB136837
	Vanadium	2470	2500	99	90 - 110	P	08/14/2025	17:54	LB136837
	Zinc	2570	2500	103	90 - 110	P	08/14/2025	17:54	LB136837

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Fax : 908 789 8922

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	92.9	100	93	65 - 135	P	08/13/2025	12:37	LB136801
	Antimony	50.2	50.0	100	65 - 135	P	08/13/2025	12:37	LB136801
	Arsenic	20.6	20.0	103	65 - 135	P	08/13/2025	12:37	LB136801
	Barium	93.9	100	94	65 - 135	P	08/13/2025	12:37	LB136801
	Beryllium	6.01	6.0	100	65 - 135	P	08/13/2025	12:37	LB136801
	Cadmium	5.49	6.0	92	65 - 135	P	08/13/2025	12:37	LB136801
	Calcium	2010	2000	100	65 - 135	P	08/13/2025	12:37	LB136801
	Chromium	10.00	10.0	100	65 - 135	P	08/13/2025	12:37	LB136801
	Cobalt	29.0	30.0	97	65 - 135	P	08/13/2025	12:37	LB136801
	Copper	20.9	20.0	104	65 - 135	P	08/13/2025	12:37	LB136801
	Iron	95.9	100	96	65 - 135	P	08/13/2025	12:37	LB136801
	Lead	10.0	12.0	83	65 - 135	P	08/13/2025	12:37	LB136801
	Magnesium	2120	2000	106	65 - 135	P	08/13/2025	12:37	LB136801
	Manganese	20.8	20.0	104	65 - 135	P	08/13/2025	12:37	LB136801
	Nickel	38.7	40.0	97	65 - 135	P	08/13/2025	12:37	LB136801
	Potassium	1930	2000	97	65 - 135	P	08/13/2025	12:37	LB136801
	Selenium	21.1	20.0	106	65 - 135	P	08/13/2025	12:37	LB136801
	Silver	10.3	10.0	103	65 - 135	P	08/13/2025	12:37	LB136801
	Sodium	1810	2000	91	65 - 135	P	08/13/2025	12:37	LB136801
	Thallium	40.7	40.0	102	65 - 135	P	08/13/2025	12:37	LB136801
	Vanadium	42.3	40.0	106	65 - 135	P	08/13/2025	12:37	LB136801
	Zinc	41.0	40.0	102	65 - 135	P	08/13/2025	12:37	LB136801
CRA	Mercury	0.23	0.2	117	70 - 130	CV	08/13/2025	14:48	LB136799
CRI01	Aluminum	105	100	105	65 - 135	P	08/14/2025	12:23	LB136837
	Antimony	52.8	50.0	106	65 - 135	P	08/14/2025	12:23	LB136837
	Arsenic	21.1	20.0	105	65 - 135	P	08/14/2025	12:23	LB136837
	Barium	96.4	100	96	65 - 135	P	08/14/2025	12:23	LB136837
	Beryllium	6.27	6.0	104	65 - 135	P	08/14/2025	12:23	LB136837
	Cadmium	5.92	6.0	99	65 - 135	P	08/14/2025	12:23	LB136837
	Calcium	2070	2000	104	65 - 135	P	08/14/2025	12:23	LB136837
	Chromium	10.4	10.0	104	65 - 135	P	08/14/2025	12:23	LB136837
	Cobalt	29.9	30.0	100	65 - 135	P	08/14/2025	12:23	LB136837
	Copper	21.4	20.0	107	65 - 135	P	08/14/2025	12:23	LB136837
	Iron	106	100	106	65 - 135	P	08/14/2025	12:23	LB136837
	Lead	12.4	12.0	103	65 - 135	P	08/14/2025	12:23	LB136837

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Fax : 908 789 8922

Metals

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2180	2000	109	65 - 135	P	08/14/2025	12:23	LB136837
	Manganese	20.7	20.0	104	65 - 135	P	08/14/2025	12:23	LB136837
	Nickel	40.2	40.0	100	65 - 135	P	08/14/2025	12:23	LB136837
	Potassium	1930	2000	96	65 - 135	P	08/14/2025	12:23	LB136837
	Selenium	17.9	20.0	89	65 - 135	P	08/14/2025	12:23	LB136837
	Silver	11.0	10.0	110	65 - 135	P	08/14/2025	12:23	LB136837
	Sodium	1830	2000	92	65 - 135	P	08/14/2025	12:23	LB136837
	Thallium	41.3	40.0	103	65 - 135	P	08/14/2025	12:23	LB136837
	Vanadium	36.7	40.0	92	65 - 135	P	08/14/2025	12:23	LB136837
	Zinc	43.0	40.0	108	65 - 135	P	08/14/2025	12:23	LB136837

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Fax : 908 789 8922

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	Aluminum	240000	255000	94	216000	294000	08/13/2025	12:41	LB136801
	Antimony	-4.82			-50	50	08/13/2025	12:41	LB136801
	Arsenic	13.5			-20	20	08/13/2025	12:41	LB136801
	Barium	-0.47	6.0	8	-94	106	08/13/2025	12:41	LB136801
	Beryllium	1.31			-6	6	08/13/2025	12:41	LB136801
	Cadmium	2.33	1.0	233	-5	7	08/13/2025	12:41	LB136801
	Calcium	229000	245000	94	208000	282000	08/13/2025	12:41	LB136801
	Chromium	58.2	52.0	112	42	62	08/13/2025	12:41	LB136801
	Cobalt	1.85			-30	30	08/13/2025	12:41	LB136801
	Copper	4.82	2.0	241	-18	22	08/13/2025	12:41	LB136801
	Iron	99200	101000	98	85600	116500	08/13/2025	12:41	LB136801
	Lead	-6.38			-12	12	08/13/2025	12:41	LB136801
	Magnesium	243000	255000	95	216000	294000	08/13/2025	12:41	LB136801
	Manganese	8.17	7.0	117	-13	27	08/13/2025	12:41	LB136801
	Nickel	5.22	2.0	261	-38	42	08/13/2025	12:41	LB136801
	Potassium	-4.10			0	0	08/13/2025	12:41	LB136801
	Selenium	2.91			-20	20	08/13/2025	12:41	LB136801
	Silver	2.33			-10	10	08/13/2025	12:41	LB136801
	Sodium	3.06			0	0	08/13/2025	12:41	LB136801
	Thallium	2.91			-40	40	08/13/2025	12:41	LB136801
	Vanadium	3.65			-40	40	08/13/2025	12:41	LB136801
	Zinc	2.20			-40	40	08/13/2025	12:41	LB136801
ICSAB01	Aluminum	247000	247000	100	209000	285000	08/13/2025	12:45	LB136801
	Antimony	588	618	95	525	711	08/13/2025	12:45	LB136801
	Arsenic	111	104	107	88.4	120	08/13/2025	12:45	LB136801
	Barium	492	537	92	437	637	08/13/2025	12:45	LB136801
	Beryllium	487	495	98	420	570	08/13/2025	12:45	LB136801
	Cadmium	994	972	102	826	1120	08/13/2025	12:45	LB136801
	Calcium	236000	235000	100	199000	271000	08/13/2025	12:45	LB136801
	Chromium	558	542	103	460	624	08/13/2025	12:45	LB136801
	Cobalt	498	476	105	404	548	08/13/2025	12:45	LB136801
	Copper	486	511	95	434	588	08/13/2025	12:45	LB136801
	Iron	102000	99300	103	84400	114500	08/13/2025	12:45	LB136801
	Lead	42.2	49.0	86	37	61	08/13/2025	12:45	LB136801
	Magnesium	250000	248000	101	210000	286000	08/13/2025	12:45	LB136801
	Manganese	493	507	97	430	584	08/13/2025	12:45	LB136801
	Nickel	992	954	104	810	1100	08/13/2025	12:45	LB136801
	Potassium	42.9			0	0	08/13/2025	12:45	LB136801
	Selenium	50.5	46.0	110	26	66	08/13/2025	12:45	LB136801
	Silver	216	201	108	170	232	08/13/2025	12:45	LB136801
	Sodium	-3.58			0	0	08/13/2025	12:45	LB136801
	Thallium	113	108	105	68	148	08/13/2025	12:45	LB136801

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Fax : 908 789 8922

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	479	491	98	417	565	08/13/2025	12:45	LB136801
	Zinc	1040	952	109	809	1095	08/13/2025	12:45	LB136801
ICSA01	Aluminum	251000	255000	98	216000	294000	08/14/2025	12:27	LB136837
	Antimony	-1.10			-50	50	08/14/2025	12:27	LB136837
	Arsenic	7.57			-20	20	08/14/2025	12:27	LB136837
	Barium	0.097	6.0	2	-94	106	08/14/2025	12:27	LB136837
	Beryllium	1.36			-6	6	08/14/2025	12:27	LB136837
	Cadmium	2.91	1.0	291	-5	7	08/14/2025	12:27	LB136837
	Calcium	237000	245000	97	208000	282000	08/14/2025	12:27	LB136837
	Chromium	60.3	52.0	116	42	62	08/14/2025	12:27	LB136837
	Cobalt	1.84			-30	30	08/14/2025	12:27	LB136837
	Copper	7.21	2.0	360	-18	22	08/14/2025	12:27	LB136837
	Iron	99800	101000	99	85600	116500	08/14/2025	12:27	LB136837
	Lead	-5.21			-12	12	08/14/2025	12:27	LB136837
	Magnesium	251000	255000	98	216000	294000	08/14/2025	12:27	LB136837
	Manganese	7.95	7.0	114	-13	27	08/14/2025	12:27	LB136837
	Nickel	5.40	2.0	270	-38	42	08/14/2025	12:27	LB136837
	Potassium	130			0	0	08/14/2025	12:27	LB136837
	Selenium	-3.06			-20	20	08/14/2025	12:27	LB136837
	Silver	1.48			-10	10	08/14/2025	12:27	LB136837
	Sodium	111			0	0	08/14/2025	12:27	LB136837
	Thallium	-3.36			-40	40	08/14/2025	12:27	LB136837
	Vanadium	2.16			-40	40	08/14/2025	12:27	LB136837
	Zinc	3.33			-40	40	08/14/2025	12:27	LB136837
ICSAB01	Aluminum	249000	247000	101	209000	285000	08/14/2025	12:38	LB136837
	Antimony	593	618	96	525	711	08/14/2025	12:38	LB136837
	Arsenic	110	104	106	88.4	120	08/14/2025	12:38	LB136837
	Barium	485	537	90	437	637	08/14/2025	12:38	LB136837
	Beryllium	496	495	100	420	570	08/14/2025	12:38	LB136837
	Cadmium	989	972	102	826	1120	08/14/2025	12:38	LB136837
	Calcium	236000	235000	100	199000	271000	08/14/2025	12:38	LB136837
	Chromium	566	542	104	460	624	08/14/2025	12:38	LB136837
	Cobalt	494	476	104	404	548	08/14/2025	12:38	LB136837
	Copper	490	511	96	434	588	08/14/2025	12:38	LB136837
	Iron	98600	99300	99	84400	114500	08/14/2025	12:38	LB136837
	Lead	42.6	49.0	87	37	61	08/14/2025	12:38	LB136837
	Magnesium	252000	248000	102	210000	286000	08/14/2025	12:38	LB136837
	Manganese	487	507	96	430	584	08/14/2025	12:38	LB136837
	Nickel	987	954	104	810	1100	08/14/2025	12:38	LB136837
	Potassium	-0.28			0	0	08/14/2025	12:38	LB136837
	Selenium	46.6	46.0	101	26	66	08/14/2025	12:38	LB136837
	Silver	216	201	108	170	232	08/14/2025	12:38	LB136837

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Fax : 908 789 8922

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	-6.45			0	0	08/14/2025	12:38	LB136837
	Thallium	109	108	101	68	148	08/14/2025	12:38	LB136837
	Vanadium	479	491	98	417	565	08/14/2025	12:38	LB136837
	Zinc	1040	952	109	809	1095	08/14/2025	12:38	LB136837

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2832

contract: PORT06 **lab code:** ACE

matrix: Solid **sample id:** Q2832-09 **client id:** TG-S05MS

Percent Solids for Sample: 90.9 **Spiked ID:** Q2832-09MS **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	2950		3310		95.2	-374		P
Antimony	mg/Kg	75 - 125	40.0		7.25		38.1	86		P
Arsenic	mg/Kg	75 - 125	62.4		23.7		38.1	101		P
Barium	mg/Kg	75 - 125	217		217		9.5	4		P
Beryllium	mg/Kg	75 - 125	8.78		0.83		9.5	84		P
Cadmium	mg/Kg	75 - 125	11.1		1.71		9.5	98		P
Calcium	mg/Kg	75 - 125	3430		4400		47.6	-2032		P
Chromium	mg/Kg	75 - 125	47.1		40.4		19.0	35	N	P
Cobalt	mg/Kg	75 - 125	16.1		7.36		9.5	92		P
Copper	mg/Kg	75 - 125	236		206		14.3	210		P
Iron	mg/Kg	75 - 125	38600		35300		140	2387		P
Lead	mg/Kg	75 - 125	514		544		47.6	-63		P
Magnesium	mg/Kg	75 - 125	942		1030		95.2	-94		P
Manganese	mg/Kg	75 - 125	166		162		9.5	41		P
Nickel	mg/Kg	75 - 125	47.1		26.0		23.8	89		P
Potassium	mg/Kg	75 - 125	934		479		480	95		P
Selenium	mg/Kg	75 - 125	90.1		2.73		95.2	92		P
Silver	mg/Kg	75 - 125	4.97		1.19		3.6	105		P
Sodium	mg/Kg	75 - 125	274		162		140	80		P
Thallium	mg/Kg	75 - 125	78.9		1.87	U	95.2	83		P
Vanadium	mg/Kg	75 - 125	37.3		28.5		14.3	62	N	P
Zinc	mg/Kg	75 - 125	113		118		9.5	-55		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2832

contract: PORT06 **lab code:** ACE

matrix: Solid **sample id:** Q2832-09 **client id:** TG-S05MSD

Percent Solids for Sample: 90.9 **Spiked ID:** Q2832-09MSD **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	2950		3310		94.8	-379		P
Antimony	mg/Kg	75 - 125	39.5		7.25		37.9	85		P
Arsenic	mg/Kg	75 - 125	61.4		23.7		37.9	99		P
Barium	mg/Kg	75 - 125	208		217		9.5	-97		P
Beryllium	mg/Kg	75 - 125	8.71		0.83		9.5	83		P
Cadmium	mg/Kg	75 - 125	11.0		1.71		9.5	98		P
Calcium	mg/Kg	75 - 125	3510		4400		47.4	-1873		P
Chromium	mg/Kg	75 - 125	53.9		40.4		19.0	71	N	P
Cobalt	mg/Kg	75 - 125	16.7		7.36		9.5	99		P
Copper	mg/Kg	75 - 125	231		206		14.2	175		P
Iron	mg/Kg	75 - 125	35300		35300		140	-10		P
Lead	mg/Kg	75 - 125	521		544		47.4	-49		P
Magnesium	mg/Kg	75 - 125	1060		1030		94.8	27		P
Manganese	mg/Kg	75 - 125	221		162		9.5	619		P
Nickel	mg/Kg	75 - 125	49.4		26.0		23.7	99		P
Potassium	mg/Kg	75 - 125	931		479		470	96		P
Selenium	mg/Kg	75 - 125	89.5		2.73		94.8	92		P
Silver	mg/Kg	75 - 125	4.66		1.19		3.6	97		P
Sodium	mg/Kg	75 - 125	263		162		140	72	N	P
Thallium	mg/Kg	75 - 125	76.6		1.87	U	94.8	81		P
Vanadium	mg/Kg	75 - 125	41.4		28.5		14.2	91		P
Zinc	mg/Kg	75 - 125	110		118		9.5	-87		P

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2832

contract: PORT06 **lab code:** ACE

matrix: Solid **sample id:** Q2840-01 **client id:** 0804-SOILMS

Percent Solids for Sample: 82.2 **Spiked ID:** Q2840-01MS **Percent Solids for Spike Sample:** 82.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.38		0.17		0.3	72	N	CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2832

contract: PORT06 **lab code:** ACE

matrix: Solid **sample id:** Q2840-01 **client id:** 0804-SOILMSD

Percent Solids for Sample: 82.2 **Spiked ID:** Q2840-01MSD **Percent Solids for Spike Sample:** 82.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.54		0.17		0.33	113		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** TG-S05A

Sample ID: Q2832-09 **Spiked ID:** Q2832-09A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Chromium	mg/Kg	75 - 125	51.4		40.4		18.7	59	N	P
Sodium	mg/Kg	75 - 125	211		162		140	35	N	P
Vanadium	mg/Kg	75 - 125	33.5		28.5		14.0	36	N	P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** 0804-SOILA

Sample ID: Q2840-01 **Spiked ID:** Q2840-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.31		0.17		0.30	46	N	CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2832-09 **Client ID:** TG-S05DUP

Percent Solids for Sample: 90.9 **Duplicate ID** Q2832-09DUP **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3310		3340		1		P
Antimony	mg/Kg	20	7.25		7.51		4		P
Arsenic	mg/Kg	20	23.7		24.7		4		P
Barium	mg/Kg	20	217		222		2		P
Beryllium	mg/Kg	20	0.83		0.85		3		P
Cadmium	mg/Kg	20	1.71		1.85		8		P
Calcium	mg/Kg	20	4400		4470		2		P
Chromium	mg/Kg	20	40.4		41.5		3		P
Cobalt	mg/Kg	20	7.36		7.50		2		P
Copper	mg/Kg	20	206		214		4		P
Iron	mg/Kg	20	35300		35900		2		P
Lead	mg/Kg	20	544		562		3		P
Magnesium	mg/Kg	20	1030		1040		1		P
Manganese	mg/Kg	20	162		164		1		P
Nickel	mg/Kg	20	26.0		26.6		2		P
Potassium	mg/Kg	20	479		481		0		P
Selenium	mg/Kg	20	2.73		2.64		3		P
Silver	mg/Kg	20	1.19		1.11		7		P
Sodium	mg/Kg	20	162		156		4		P
Thallium	mg/Kg	20	1.87	U	1.91	U			P
Vanadium	mg/Kg	20	28.5		29.2		2		P
Zinc	mg/Kg	20	118		119		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2832-09MS **Client ID:** TG-S05MSD

Percent Solids for Sample: 90.9 **Duplicate ID** Q2832-09MSD **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	2950		2950		0		P
Antimony	mg/Kg	20	40.0		39.5		1		P
Arsenic	mg/Kg	20	62.4		61.4		2		P
Barium	mg/Kg	20	217		208		4		P
Beryllium	mg/Kg	20	8.78		8.71		1		P
Cadmium	mg/Kg	20	11.1		11.0		1		P
Calcium	mg/Kg	20	3430		3510		2		P
Chromium	mg/Kg	20	47.1		53.9		13		P
Cobalt	mg/Kg	20	16.1		16.7		4		P
Copper	mg/Kg	20	236		231		2		P
Iron	mg/Kg	20	38600		35300		9		P
Lead	mg/Kg	20	514		521		1		P
Magnesium	mg/Kg	20	942		1060		12		P
Manganese	mg/Kg	20	166		221		28	*	P
Nickel	mg/Kg	20	47.1		49.4		5		P
Potassium	mg/Kg	20	934		931		0		P
Selenium	mg/Kg	20	90.1		89.5		1		P
Silver	mg/Kg	20	4.97		4.66		6		P
Sodium	mg/Kg	20	274		263		4		P
Thallium	mg/Kg	20	78.9		76.6		3		P
Vanadium	mg/Kg	20	37.3		41.4		10		P
Zinc	mg/Kg	20	113		110		3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2840-01 **Client ID:** 0804-SOILDUP

Percent Solids for Sample: 82.2 **Duplicate ID** Q2840-01DUP **Percent Solids for Spike Sample:** 82.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.17		0.13		29	*	CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2840-01MS **Client ID:** 0804-SOILMSD

Percent Solids for Sample: 82.2 **Duplicate ID** Q2840-01MSD **Percent Solids for Spike Sample:** 82.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.38		0.54		34	*	CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169215BS							
Aluminum	mg/Kg	100	101		101	80 - 120	P
Antimony	mg/Kg	40.0	42.1		105	80 - 120	P
Arsenic	mg/Kg	40.0	40.5		101	80 - 120	P
Barium	mg/Kg	10.0	9.46		95	80 - 120	P
Beryllium	mg/Kg	10.0	10.1		101	80 - 120	P
Cadmium	mg/Kg	10.0	9.62		96	80 - 120	P
Calcium	mg/Kg	50.0	51.7	J	103	80 - 120	P
Chromium	mg/Kg	20.0	20.8		104	80 - 120	P
Cobalt	mg/Kg	10.0	9.93		99	80 - 120	P
Copper	mg/Kg	15.0	15.8		105	80 - 120	P
Iron	mg/Kg	150	153		102	80 - 120	P
Lead	mg/Kg	50.0	48.5		97	80 - 120	P
Magnesium	mg/Kg	100	101		101	80 - 120	P
Manganese	mg/Kg	10.0	10.2		102	80 - 120	P
Nickel	mg/Kg	25.0	25.0		100	80 - 120	P
Potassium	mg/Kg	500	494		99	80 - 120	P
Selenium	mg/Kg	100	104		104	80 - 120	P
Silver	mg/Kg	3.8	3.87		102	80 - 120	P
Sodium	mg/Kg	150	140		93	80 - 120	P
Thallium	mg/Kg	100	108		108	80 - 120	P
Vanadium	mg/Kg	15.0	15.4		103	80 - 120	P
Zinc	mg/Kg	10.0	10.5		105	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169231BS							
Mercury	mg/Kg	0.27	0.24		88	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TG-S05L

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **Lb No.:** lb136801 **Lab Sample ID :** Q2832-09L **SDG No.:** Q2832

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	3310		3670		11		P
Antimony	7.25		7.47	J	3		P
Arsenic	23.7		26.1		10		P
Barium	217		236		9		P
Beryllium	0.83		0.99	J	19		P
Cadmium	1.71		1.34	J	22		P
Calcium	4400		5040		15		P
Chromium	40.4		46.3		15		P
Cobalt	7.36		7.27		1		P
Copper	206		242		17		P
Iron	35300		39700		12		P
Lead	544		571		5		P
Magnesium	1030		1170		14		P
Manganese	162		186		15		P
Nickel	26.0		26.4		2		P
Potassium	479		540		13		P
Selenium	2.73		3.04	J	12		P
Silver	1.19		1.48	J	24		P
Sodium	162		191	J	18		P
Thallium	1.87	U	9.36	U			P
Vanadium	28.5		32.3		13		P
Zinc	118		130		11		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

0804-SOILL

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **Lb No.:** lb136799 **Lab Sample ID :** Q2840-01L **SDG No.:** Q2832

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.17		0.14		13		CV

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ANALYSIS RUN LOG

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

Lab code: ACE **Sdg no.:** Q2832

Instrument id number: **Method:** **Run number:** LB136799

Start date: 08/13/2025 **End date:** 08/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1411	HG
S0.2	S0.2	1	1413	HG
S2.5	S2.5	1	1415	HG
S5	S5	1	1417	HG
S7.5	S7.5	1	1420	HG
S10	S10	1	1422	HG
ICV13	ICV13	1	1439	HG
ICB13	ICB13	1	1441	HG
CCV38	CCV38	1	1444	HG
CCB38	CCB38	1	1446	HG
CRA	CRA	1	1448	HG
PB169231BL	PB169231BL	1	1455	HG
PB169231BS	PB169231BS	1	1457	HG
Q2832-03	TG-S02	1	1502	HG
Q2832-05	TG-S03	1	1505	HG
Q2832-07	TG-S04	1	1508	HG
Q2832-09	TG-S05	1	1511	HG
CCV39	CCV39	1	1513	HG
CCB39	CCB39	1	1515	HG
Q2840-01DUP	0804-SOILDUP	1	1525	HG
Q2840-01MS	0804-SOILMS	1	1527	HG
Q2840-01MSD	0804-SOILMSD	1	1532	HG
Q2840-01L	0804-SOILL	5	1540	HG
Q2840-01A	0804-SOILA	1	1542	HG
Q2832-01	TG-S01	5	1544	HG
CCV40	CCV40	1	1547	HG
CCB40	CCB40	1	1549	HG

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ANALYSIS RUN LOG

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

Lab code: ACE **Sdg no.:** Q2832

Instrument id number: **Method:** **Run number:** LB136801

Start date: 08/13/2025 **End date:** 08/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1156	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	1200	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	1204	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	1208	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	1212	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	1217	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	1221	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	1228	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	1233	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	1237	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	1241	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	1245	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	1258	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	1303	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	1342	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	1346	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	1433	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	1437	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169215BL	PB169215BL	1	1515	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	1523	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	1527	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	1614	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	1619	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-09	TG-S05	1	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-09DUP	TG-S05DUP	1	1656	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-09L	TG-S05L	5	1700	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	1705	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	1709	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-09MS	TG-S05MS	1	1713	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-09MSD	TG-S05MSD	1	1717	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-09A	TG-S05A	1	1721	Cr,Na,V
Q2832-03	TG-S02	1	1725	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-05	TG-S03	1	1729	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-07	TG-S04	1	1733	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169215BS	PB169215BS	1	1742	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	1746	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	1750	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

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

Lab code: ACE **Sdg no.:** Q2832

Instrument id number: **Method:** **Run number:** LB136837

Start date: 08/14/2025 **End date:** 08/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1139	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1144	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1148	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	1152	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	1156	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	1200	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	1205	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	1209	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	1213	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	1223	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	1227	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	1238	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	1250	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	1254	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2832-01	TG-S01	1	1259	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	1342	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	1346	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	1441	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	1445	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	1558	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	1602	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	1650	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	1700	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	1754	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	1805	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

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	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q2832	**OrderDate:**	8/12/2025 9:37:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2832-01	**TG-S01**	**SOIL**			**08/11/25**			**08/12/25**
			Mercury	7471B		08/13/25	08/13/25	
			Metals ICP-TAL	6010D		08/12/25	08/14/25	
Q2832-02	**TG-S01**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP ICP Metals	6010D		08/13/25	08/14/25	
			TCLP Mercury	7470A		08/13/25	08/14/25	
Q2832-03	**TG-S02**	**SOIL**			**08/11/25**			**08/12/25**
			Mercury	7471B		08/13/25	08/13/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2832-04	**TG-S02**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP ICP Metals	6010D		08/13/25	08/14/25	
			TCLP Mercury	7470A		08/13/25	08/14/25	
Q2832-05	**TG-S03**	**SOIL**			**08/11/25**			**08/12/25**
			Mercury	7471B		08/13/25	08/13/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2832-06	**TG-S03**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP ICP Metals	6010D		08/13/25	08/14/25	
			TCLP Mercury	7470A		08/13/25	08/14/25	
Q2832-07	**TG-S04**	**SOIL**			**08/11/25**			**08/12/25**
			Mercury	7471B		08/13/25	08/13/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2832-08	**TG-S04**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP ICP Metals	6010D		08/13/25	08/14/25	
			TCLP Mercury	7470A		08/13/25	08/14/25	
Q2832-09	**TG-S05**	**SOIL**			**08/12/25**			**08/12/25**

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LAB CHRONICLE

			Mercury	7471B		08/13/25	08/13/25
			Metals ICP-TAL	6010D		08/12/25	08/13/25
Q2832-10	**TG-S05**	**TCLP**			**08/12/25**		**08/12/25**
			TCLP ICP Metals	6010D		08/13/25	08/14/25
			TCLP Mercury	7470A		08/13/25	08/14/25

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169215**						
PB169215BL	PB169215BL	MB	SOLID	08/12/2025	2.00	100.0	100.00
PB169215BS	PB169215BS	LCS	SOLID	08/12/2025	2.00	100.0	100.00
Q2832-01	TG-S01	SAM	SOLID	08/12/2025	2.14	100.0	93.40
Q2832-03	TG-S02	SAM	SOLID	08/12/2025	2.12	100.0	94.00
Q2832-05	TG-S03	SAM	SOLID	08/12/2025	2.20	100.0	93.80
Q2832-07	TG-S04	SAM	SOLID	08/12/2025	2.21	100.0	93.10
Q2832-09	TG-S05	SAM	SOLID	08/12/2025	2.35	100.0	90.90
Q2832-09DUP	TG-S05DUP	DUP	SOLID	08/12/2025	2.30	100.0	90.90
Q2832-09MS	TG-S05MS	MS	SOLID	08/12/2025	2.31	100.0	90.90
Q2832-09MSD	TG-S05MSD	MSD	SOLID	08/12/2025	2.32	100.0	90.90

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Contract: PORT06 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169231**						
PB169231BL	PB169231BL	MB	SOLID	08/13/2025	0.51	35.0	100.00
PB169231BS	PB169231BS	LCS	SOLID	08/13/2025	0.51	35.0	100.00
Q2832-01	TG-S01	SAM	SOLID	08/13/2025	0.56	35.0	93.40
Q2832-03	TG-S02	SAM	SOLID	08/13/2025	0.55	35.0	94.00
Q2832-05	TG-S03	SAM	SOLID	08/13/2025	0.56	35.0	93.80
Q2832-07	TG-S04	SAM	SOLID	08/13/2025	0.56	35.0	93.10
Q2832-09	TG-S05	SAM	SOLID	08/13/2025	0.52	35.0	90.90
Q2840-01DUP	0804-SOILDUP	DUP	SOLID	08/13/2025	0.56	35.0	82.20
Q2840-01MS	0804-SOILMS	MS	SOLID	08/13/2025	0.56	35.0	82.20
Q2840-01MSD	0804-SOILMSD	MSD	SOLID	08/13/2025	0.52	35.0	82.20

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136799

Review By	sagar	Review On	8/13/2025 4:22:09 PM
Supervise By	jaswal	Supervise On	8/13/2025 9:52:52 PM

STD. NAME	STD REF.#
ICAL Standard	MP86755,MP86756,MP86757,MP86758,MP86759,MP86760
ICV Standard	MP86761
CCV Standard	MP86763
ICSA Standard	
CRI Standard	MP86765
LCS Standard	
Chk Standard	MP86762,MP86764,MP86766,MP86769

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/13/25 14:11		sagar	OK
2	S0.2	S0.2	CAL2	08/13/25 14:13		sagar	OK
3	S2.5	S2.5	CAL3	08/13/25 14:15		sagar	OK
4	S5	S5	CAL4	08/13/25 14:17		sagar	OK
5	S7.5	S7.5	CAL5	08/13/25 14:20		sagar	OK
6	S10	S10	CAL6	08/13/25 14:22		sagar	OK
7	ICV13	ICV13	ICV	08/13/25 14:39		sagar	OK
8	ICB13	ICB13	ICB	08/13/25 14:41		sagar	OK
9	CCV38	CCV38	CCV	08/13/25 14:44		sagar	OK
10	CCB38	CCB38	CCB	08/13/25 14:46		sagar	OK
11	CRA	CRA	CRDL	08/13/25 14:48		sagar	OK
12	HighStd	HighStd	HIGH STD	08/13/25 14:50		sagar	OK
13	ChkStd	ChkStd	SAM	08/13/25 14:53		sagar	OK
14	PB169231BL	PB169231BL	MB	08/13/25 14:55		sagar	OK
15	PB169231BS	PB169231BS	LCS	08/13/25 14:57		sagar	OK
16	Q2832-01	TG-S01	SAM	08/13/25 15:00	High	sagar	Dilution
17	Q2832-03	TG-S02	SAM	08/13/25 15:02		sagar	OK
18	Q2832-05	TG-S03	SAM	08/13/25 15:05		sagar	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136799

Review By	sagar	Review On	8/13/2025 4:22:09 PM
Supervise By	jaswal	Supervise On	8/13/2025 9:52:52 PM

STD. NAME	STD REF.#
ICAL Standard	MP86755,MP86756,MP86757,MP86758,MP86759,MP86760
ICV Standard	MP86761
CCV Standard	MP86763
ICSA Standard	
CRI Standard	MP86765
LCS Standard	
Chk Standard	MP86762,MP86764,MP86766,MP86769

19	Q2832-07	TG-S04	SAM	08/13/25 15:08		sagar	OK
20	Q2832-09	TG-S05	SAM	08/13/25 15:11		sagar	OK
21	CCV39	CCV39	CCV	08/13/25 15:13		sagar	OK
22	CCB39	CCB39	CCB	08/13/25 15:15		sagar	OK
23	Q2838-01	TP-11	SAM	08/13/25 15:18		sagar	OK
24	Q2838-05	TP-10	SAM	08/13/25 15:20		sagar	OK
25	Q2840-01	0804-SOIL	SAM	08/13/25 15:22		sagar	OK
26	Q2840-01DUP	0804-SOILDUP	DUP	08/13/25 15:25		sagar	OK
27	Q2840-01MS	0804-SOILMS	MS	08/13/25 15:27		sagar	OK
28	Q2840-01MSD	0804-SOILMSD	MSD	08/13/25 15:32		sagar	OK
29	Q2840-02	0804-D	SAM	08/13/25 15:37		sagar	OK
30	Q2840-01L	0804-SOILL	SD	08/13/25 15:40		sagar	OK
31	Q2840-01A	0804-SOILA	PS	08/13/25 15:42		sagar	OK
32	Q2832-01DL	TG-S01DL	SAM	08/13/25 15:44	Report 5X	sagar	Confirms
33	CCV40	CCV40	CCV	08/13/25 15:47		sagar	OK
34	CCB40	CCB40	CCB	08/13/25 15:49		sagar	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/13/25 11:56		Jaswal	OK
2	S1	S1	CAL2	08/13/25 12:00		Jaswal	OK
3	S2	S2	CAL3	08/13/25 12:04		Jaswal	OK
4	S3	S3	CAL4	08/13/25 12:08		Jaswal	OK
5	S4	S4	CAL5	08/13/25 12:12		Jaswal	OK
6	S5	S5	CAL6	08/13/25 12:17		Jaswal	OK
7	ICV01	ICV01	ICV	08/13/25 12:21		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/13/25 12:28		Jaswal	OK
9	ICB01	ICB01	ICB	08/13/25 12:33		Jaswal	OK
10	CRI01	CRI01	CRDL	08/13/25 12:37		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/13/25 12:41		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/13/25 12:45		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/13/25 12:49		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/13/25 12:54		Jaswal	OK
15	CCV01	CCV01	CCV	08/13/25 12:58		Jaswal	OK
16	CCB01	CCB01	CCB	08/13/25 13:03		Jaswal	OK
17	Q2828-01	POWDER	SAM	08/13/25 13:07		Jaswal	OK
18	Q2828-01DUP	POWDERDUP	DUP	08/13/25 13:12		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	Q2828-01L	POWDERL	SD	08/13/25 13:16		Jaswal	OK
20	Q2828-01MS	POWDERMS	MS	08/13/25 13:20		Jaswal	OK
21	Q2828-01MSD	POWDERMSD	MSD	08/13/25 13:25		Jaswal	OK
22	Q2828-01A	POWDERA	PS	08/13/25 13:30	0.1 ml of each M6004 and M6017 in 10ml sample	Jaswal	OK
23	CCV02	CCV02	CCV	08/13/25 13:42		Jaswal	OK
24	CCB02	CCB02	CCB	08/13/25 13:46		Jaswal	OK
25	Q2830-01	BIN0009-DRIVEWAY-	SAM	08/13/25 13:50		Jaswal	OK
26	Q2830-03	BIN0009-DRIVEWAY-	SAM	08/13/25 13:55		Jaswal	OK
27	Q2830-05	BIN0009-DRIVEWAY-	SAM	08/13/25 13:59		Jaswal	OK
28	Q2830-07	BIN0009-DRIVEWAY-	SAM	08/13/25 14:03		Jaswal	OK
29	Q2831-01	VNJ-238	SAM	08/13/25 14:07		Jaswal	OK
30	Q2818-01	B-2-5-1	SAM	08/13/25 14:11		Jaswal	OK
31	Q2818-02	B-3-5-2	SAM	08/13/25 14:16		Jaswal	OK
32	Q2823-01	SU-04-081125	SAM	08/13/25 14:20		Jaswal	OK
33	Q2831-03	VNJ-238	SAM	08/13/25 14:24		Jaswal	OK
34	Q2831-03DUP	VNJ-238DUP	DUP	08/13/25 14:28		Jaswal	OK
35	CCV03	CCV03	CCV	08/13/25 14:33		Jaswal	OK
36	CCB03	CCB03	CCB	08/13/25 14:37		Jaswal	OK
37	Q2831-03L	VNJ-238L	SD	08/13/25 14:41		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

38	Q2831-03MS	VNJ-238MS	MS	08/13/25 14:46		Jaswal	OK
39	Q2831-03MSD	VNJ-238MSD	MSD	08/13/25 14:50		Jaswal	OK
40	Q2831-03A	VNJ-238A	PS	08/13/25 14:54	0.1 ml of each M6004 and M6017 in 10ml sample	Jaswal	OK
41	PB169214BL	PB169214BL	MB	08/13/25 14:58		Jaswal	OK
42	PB169214BS	PB169214BS	LCS	08/13/25 15:02		Jaswal	OK
43	PB169211BL	PB169211BL	MB	08/13/25 15:06		Jaswal	OK
44	PB169215BL	PB169215BL	MB	08/13/25 15:15		Jaswal	OK
45	PB169211BS	PB169211BS	LCS	08/13/25 15:19		Jaswal	OK
46	CCV04	CCV04	CCV	08/13/25 15:23		Jaswal	OK
47	CCB04	CCB04	CCB	08/13/25 15:27		Jaswal	OK
48	PB169200TB	PB169200TB	MB	08/13/25 15:31		Jaswal	OK
49	Q2808-04	TP-7	SAM	08/13/25 15:36		Jaswal	OK
50	Q2826-02	WC1	SAM	08/13/25 15:40		Jaswal	OK
51	Q2827-04	TP-8	SAM	08/13/25 15:45		Jaswal	OK
52	Q2827-08	TP-9	SAM	08/13/25 15:49		Jaswal	OK
53	Q2808-01	TP-7	SAM	08/13/25 15:53		Jaswal	OK
54	Q2817-01	LEAD-PAINT-CHIPS	SAM	08/13/25 15:58		Jaswal	OK
55	Q2819-06	11M-S	SAM	08/13/25 16:02		Jaswal	OK
56	Q2819-11	84SB-W	SAM	08/13/25 16:06		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

57	Q2819-14	17M-W	SAM	08/13/25 16:10		Jaswal	OK
58	CCV05	CCV05	CCV	08/13/25 16:14		Jaswal	OK
59	CCB05	CCB05	CCB	08/13/25 16:19		Jaswal	OK
60	Q2820-09	705R-S	SAM	08/13/25 16:23		Jaswal	OK
61	Q2820-10	SOIL-DUP-2	SAM	08/13/25 16:27		Jaswal	OK
62	Q2820-24	22M-S	SAM	08/13/25 16:31		Jaswal	OK
63	Q2826-01	WC1	SAM	08/13/25 16:35		Jaswal	OK
64	Q2827-01	TP-8	SAM	08/13/25 16:39		Jaswal	OK
65	Q2827-05	TP-9	SAM	08/13/25 16:44		Jaswal	OK
66	Q2829-01	SILICA	SAM	08/13/25 16:48		Jaswal	OK
67	Q2832-09	TG-S05	SAM	08/13/25 16:52		Jaswal	OK
68	Q2832-09DUP	TG-S05DUP	DUP	08/13/25 16:56	Si High	Jaswal	Dilution
69	Q2832-09L	TG-S05L	SD	08/13/25 17:00		Jaswal	OK
70	CCV06	CCV06	CCV	08/13/25 17:05		Jaswal	OK
71	CCB06	CCB06	CCB	08/13/25 17:09		Jaswal	OK
72	Q2832-09MS	TG-S05MS	MS	08/13/25 17:13	Si High	Jaswal	Dilution
73	Q2832-09MSD	TG-S05MSD	MSD	08/13/25 17:17	Si High	Jaswal	Dilution
74	Q2832-09A	TG-S05A	PS	08/13/25 17:21	0.1 ml of each M6004 and M6017 in 10ml sample	Jaswal	OK
75	Q2832-03	TG-S02	SAM	08/13/25 17:25		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

Review By	Janvi	Review On	8/15/2025 10:10:36 AM
Supervise By	jaswal	Supervise On	8/19/2025 2:31:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

76	Q2832-05	TG-S03	SAM	08/13/25 17:29		Jaswal	OK
77	Q2832-07	TG-S04	SAM	08/13/25 17:33		Jaswal	OK
78	PB169215BS	PB169215BS	LCS	08/13/25 17:42		Jaswal	OK
79	CCV07	CCV07	CCV	08/13/25 17:46		Jaswal	OK
80	CCB07	CCB07	CCB	08/13/25 17:50		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136837

Review By	Janvi	Review On	8/18/2025 9:13:21 AM
Supervise By	jaswal	Supervise On	8/19/2025 4:32:19 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/14/25 11:39		Jaswal	OK
2	S1	S1	CAL2	08/14/25 11:44		Jaswal	OK
3	S2	S2	CAL3	08/14/25 11:48		Jaswal	OK
4	S3	S3	CAL4	08/14/25 11:52		Jaswal	OK
5	S4	S4	CAL5	08/14/25 11:56		Jaswal	OK
6	S5	S5	CAL6	08/14/25 12:00		Jaswal	OK
7	ICV01	ICV01	ICV	08/14/25 12:05		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/14/25 12:09		Jaswal	OK
9	ICB01	ICB01	ICB	08/14/25 12:13		Jaswal	OK
10	CRI01	CRI01	CRDL	08/14/25 12:23		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/14/25 12:27		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/14/25 12:38		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/14/25 12:42		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/14/25 12:46		Jaswal	OK
15	CCV01	CCV01	CCV	08/14/25 12:50		Jaswal	OK
16	CCB01	CCB01	CCB	08/14/25 12:54		Jaswal	OK
17	Q2832-01	TG-S01	SAM	08/14/25 12:59		Jaswal	OK
18	PB169236BL	PB169236BL	MB	08/14/25 13:03		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136837

Review By	Janvi	Review On	8/18/2025 9:13:21 AM
Supervise By	jaswal	Supervise On	8/19/2025 4:32:19 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	PB169236BS	PB169236BS	LCS	08/14/25 13:07		Jaswal	OK
20	PB169232BL	PB169232BL	MB	08/14/25 13:11		Jaswal	OK
21	PB169232BS	PB169232BS	LCS	08/14/25 13:15		Jaswal	OK
22	PB169212TB	PB169212TB	MB	08/14/25 13:19		Jaswal	OK
23	Q2732-03	WC-A7-01-C	SAM	08/14/25 13:24		Jaswal	OK
24	Q2832-02	TG-S01	SAM	08/14/25 13:28		Jaswal	OK
25	Q2832-04	TG-S02	SAM	08/14/25 13:33		Jaswal	OK
26	Q2832-06	TG-S03	SAM	08/14/25 13:37		Jaswal	OK
27	CCV02	CCV02	CCV	08/14/25 13:42		Jaswal	OK
28	CCB02	CCB02	CCB	08/14/25 13:46		Jaswal	OK
29	Q2832-08	TG-S04	SAM	08/14/25 13:50		Jaswal	OK
30	Q2832-10	TG-S05	SAM	08/14/25 13:54		Jaswal	OK
31	Q2836-03	WC-A2-15-C	SAM	08/14/25 13:59		Jaswal	OK
32	Q2836-07	WC-A2-16-C	SAM	08/14/25 14:03		Jaswal	OK
33	Q2836-11	WC-A2-17-C	SAM	08/14/25 14:08		Jaswal	OK
34	Q2836-15	WC-A5-02-C	SAM	08/14/25 14:12		Jaswal	OK
35	Q2838-04	TP-11	SAM	08/14/25 14:17		Jaswal	OK
36	Q2838-08	TP-10	SAM	08/14/25 14:21		Jaswal	OK
37	Q2838-08DUP	TP-10DUP	DUP	08/14/25 14:25		Jaswal	OK
38	Q2838-08L	TP-10L	SD	08/14/25 14:30		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136837

Review By	Janvi	Review On	8/18/2025 9:13:21 AM
Supervise By	jaswal	Supervise On	8/19/2025 4:32:19 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

39	CCV03	CCV03	CCV	08/14/25 14:41		Jaswal	OK
40	CCB03	CCB03	CCB	08/14/25 14:45		Jaswal	OK
41	Q2838-08MS	TP-10MS	MS	08/14/25 14:50		Jaswal	OK
42	Q2838-08MSD	TP-10MSD	MSD	08/14/25 14:54		Jaswal	OK
43	Q2838-08A	TP-10A	PS	08/14/25 14:58	0.1ml of M6004 and M6017 of each in 10ml sample.	Jaswal	OK
44	Q2814-01	TW-84SB-E	SAM	08/14/25 15:02		Jaswal	OK
45	Q2814-03	TW-17M-W	SAM	08/14/25 15:06		Jaswal	OK
46	Q2814-16	FB	SAM	08/14/25 15:10		Jaswal	OK
47	Q2814-17DL	TW-518R-SDL	SAM	08/14/25 15:15	Straight 5x for all elemenst	Jaswal	OK
48	Q2814-22	TW-84SB-E	SAM	08/14/25 15:19	Not used	Jaswal	Not Ok
49	Q2814-23	TW-17M-W	SAM	08/14/25 15:23	Not used	Jaswal	Not Ok
50	Q2815-01	TW-705R-S	SAM	08/14/25 15:27		Jaswal	OK
51	CCV04	CCV04	CCV	08/14/25 15:58		Jaswal	OK
52	CCB04	CCB04	CCB	08/14/25 16:02		Jaswal	OK
53	Q2815-11	TW-22M-W	SAM	08/14/25 16:06		Jaswal	OK
54	Q2815-20	TW-11M-W	SAM	08/14/25 16:10		Jaswal	OK
55	Q2815-25	TW-11M-W	SAM	08/14/25 16:14	Not used	Jaswal	Not Ok
56	Q2815-26	FB	SAM	08/14/25 16:18		Jaswal	OK
57	Q2821-05	GW-COMP	SAM	08/14/25 16:23		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136837

Review By	Janvi	Review On	8/18/2025 9:13:21 AM
Supervise By	jaswal	Supervise On	8/19/2025 4:32:19 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

58	Q2821-08	DM-COMP	SAM	08/14/25 16:27		Jaswal	OK
59	Q2837-01	TW-WTS-13	SAM	08/14/25 16:31		Jaswal	OK
60	Q2837-01DUP	TW-WTS-13DUP	DUP	08/14/25 16:36		Jaswal	OK
61	Q2837-01L	TW-WTS-13L	SD	08/14/25 16:41		Jaswal	OK
62	Q2837-01MS	TW-WTS-13MS	MS	08/14/25 16:45		Jaswal	OK
63	CCV05	CCV05	CCV	08/14/25 16:50		Jaswal	OK
64	CCB05	CCB05	CCB	08/14/25 17:00		Jaswal	OK
65	Q2837-01MSD	TW-WTS-13MSD	MSD	08/14/25 17:04		Jaswal	OK
66	Q2837-01A	TW-WTS-13A	PS	08/14/25 17:09	0.1ml of M6004 and M6017 of each in 10ml sample.	Jaswal	OK
67	Q2858-01	VNJ 216	SAM	08/14/25 17:13		Jaswal	OK
68	Q2858-01DUP	VNJ 216DUP	DUP	08/14/25 17:17		Jaswal	OK
69	Q2858-01L	VNJ 216L	SD	08/14/25 17:21		Jaswal	OK
70	Q2858-01MS	VNJ 216MS	MS	08/14/25 17:25		Jaswal	OK
71	Q2858-01MSD	VNJ 216MSD	MSD	08/14/25 17:29		Jaswal	OK
72	Q2858-01A	VNJ 216A	PS	08/14/25 17:33	0.1ml of M6004 and M6017 of each in 10ml sample.	Jaswal	OK
73	CCV06	CCV06	CCV	08/14/25 17:54		Jaswal	OK
74	CCB06	CCB06	CCB	08/14/25 18:05		Jaswal	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB169215

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete 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 #5 2. N/A

Start Digest Date: 08/12/2025 **Time :** 13:05 **Temp :** 97 °C

End Digest Date: 08/12/2025 **Time :** 11:15 **Temp :** 98 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: SLH

Supervisor Signature: JSP

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6180
LFS-2	1.00	M6181
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	MP86404
30% H2O2	3.00	M6170
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#5 CELL#35 97C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
~~08/12/2025~~ 12:45	SLH met dig	JSP Met Lab
08/12/2025	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB169215

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB169215BL	PBS215	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB169215BS	LCS215	N/A	2.00	100	Colorless	Coloress	Fine	N/A	M6180,M6181	2
Q2829-01	SILICA	N/A	2.36	100	White	Yellow	Medium	N/A	N/A	3
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH EAST	N/A	2.10	100	Brown	Yellow	Medium	N/A	N/A	4
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	N/A	2.25	100	Reddish Brown	Yellow	Medium	N/A	N/A	5
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	N/A	2.27	100	Reddish Brown	Yellow	Medium	N/A	N/A	6
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	N/A	2.40	100	Brown	Yellow	Medium	N/A	N/A	7
Q2831-01	VNJ-238	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	8
Q2832-01	TG-S01	N/A	2.14	100	Dark Brown	Yellow	Medium	N/A	N/A	9
Q2832-03	TG-S02	N/A	2.12	100	Dark Brown	Yellow	Medium	N/A	N/A	10
Q2832-05	TG-S03	N/A	2.20	100	Dark Brown	Yellow	Medium	N/A	N/A	11
Q2832-07	TG-S04	N/A	2.21	100	Dark Brown	Yellow	Medium	N/A	N/A	12
Q2832-09	TG-S05	N/A	2.35	100	Black	Yellow	Medium	N/A	N/A	13
Q2832-09DUP	TG-S05DUP	N/A	2.30	100	Black	Yellow	Medium	N/A	N/A	14
Q2832-09MS	TG-S05MS	N/A	2.31	100	Black	Yellow	Medium	N/A	M6180,M6181	15
Q2832-09MSD	TG-S05MSD	N/A	2.32	100	Black	Yellow	Medium	N/A	M6180,M6181	16

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB169231

SOP ID : M7471B-Mercury-19

SDG No : N/A

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #1

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

Start Digest Date: 08/13/2025 **Time :** 10:30 **Temp :** 95 °C

End Digest Date: 08/13/2025 **Time :** 10:40 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: SM.

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86761
CCV	30mL	MP86763
CRA	30mL	MP86765
Blank Spike	0.48mL	MP86754
Matrix Spike	0.48mL	MP86754

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	2.5mL	MP86767
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	MP86755
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86756
2.5 ppb	S2.5	30mL	MP86757
5.0 ppb	S5.0	30mL	MP86758
7.5 ppb	S7.5	30mL	MP86759
10.0 ppb	S10.0	30mL	MP86760
ICV	ICV	30mL	MP86761
ICB	ICB	30mL	MP86762
CCV	CCV	30mL	MP86763
CCB	CCB	30mL	MP86764
CRI	CRI	30mL	MP86765
CHK STD	CHK STD	30mL	MP86766

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/25 11:40	SM met dig	metals lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB169231

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB169231BL	PBS231	0.51	35	N/A	N/A	1-1
PB169231BS	LCS231	0.51	35	N/A	MP86754	2
Q2832-01	TG-S01	0.56	35	N/A	N/A	3
Q2832-03	TG-S02	0.55	35	N/A	N/A	4
Q2832-05	TG-S03	0.56	35	N/A	N/A	5
Q2832-07	TG-S04	0.56	35	N/A	N/A	6
Q2832-09	TG-S05	0.52	35	N/A	N/A	7
Q2838-01	TP-11	0.57	35	N/A	N/A	8
Q2838-05	TP-10	0.56	35	N/A	N/A	9
Q2840-01	0804-SOIL	0.57	35	N/A	N/A	10
Q2840-01MS	0804-SOILMS	0.56	35	N/A	MP86754	12
Q2840-01MSD	0804-SOILMSD	0.52	35	N/A	MP86754	13
Q2840-01DUP	0804-SOILDUP	0.56	35	N/A	N/A	11
Q2840-02	0804-D	0.57	35	N/A	N/A	14

A B C D E F G H I J