

Hit Summary Sheet SW-846

SDG No.: Q1415 **Order ID:** Q1415
Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-163-SB01								
Q1415-01	B-163-SB01	SOIL	Aluminum	6850		2.58	5.36	mg/Kg
Q1415-01	B-163-SB01	SOIL	Arsenic	2.00		0.31	1.07	mg/Kg
Q1415-01	B-163-SB01	SOIL	Barium	45.4		0.69	5.36	mg/Kg
Q1415-01	B-163-SB01	SOIL	Beryllium	0.48		0.013	0.32	mg/Kg
Q1415-01	B-163-SB01	SOIL	Calcium	978		3.00	107	mg/Kg
Q1415-01	B-163-SB01	SOIL	Chromium	17.6		0.058	0.54	mg/Kg
Q1415-01	B-163-SB01	SOIL	Cobalt	33.0		0.062	1.61	mg/Kg
Q1415-01	B-163-SB01	SOIL	Copper	39.9		0.50	1.07	mg/Kg
Q1415-01	B-163-SB01	SOIL	Iron	14400		2.88	5.36	mg/Kg
Q1415-01	B-163-SB01	SOIL	Lead	10.6		0.16	0.64	mg/Kg
Q1415-01	B-163-SB01	SOIL	Magnesium	2600		3.67	107	mg/Kg
Q1415-01	B-163-SB01	SOIL	Manganese	181		0.076	1.07	mg/Kg
Q1415-01	B-163-SB01	SOIL	Mercury	0.011	J	0.0070	0.016	mg/Kg
Q1415-01	B-163-SB01	SOIL	Nickel	79.2		0.096	2.14	mg/Kg
Q1415-01	B-163-SB01	SOIL	Potassium	870		30.7	107	mg/Kg
Q1415-01	B-163-SB01	SOIL	Selenium	0.47	J	0.35	1.07	mg/Kg
Q1415-01	B-163-SB01	SOIL	Sodium	78.7	J	38.7	107	mg/Kg
Q1415-01	B-163-SB01	SOIL	Vanadium	15.3		0.29	2.14	mg/Kg
Q1415-01	B-163-SB01	SOIL	Zinc	34.4		0.12	2.14	mg/Kg
Client ID : B-172-SB01								
Q1415-02	B-172-SB01	SOIL	Aluminum	6360		2.34	4.85	mg/Kg
Q1415-02	B-172-SB01	SOIL	Arsenic	1.93		0.28	0.97	mg/Kg
Q1415-02	B-172-SB01	SOIL	Barium	47.5		0.62	4.85	mg/Kg
Q1415-02	B-172-SB01	SOIL	Beryllium	0.44		0.012	0.29	mg/Kg
Q1415-02	B-172-SB01	SOIL	Calcium	1120		2.72	97.0	mg/Kg
Q1415-02	B-172-SB01	SOIL	Chromium	13.8		0.052	0.49	mg/Kg
Q1415-02	B-172-SB01	SOIL	Cobalt	7.65		0.056	1.46	mg/Kg
Q1415-02	B-172-SB01	SOIL	Copper	19.3		0.46	0.97	mg/Kg
Q1415-02	B-172-SB01	SOIL	Iron	13300		2.61	4.85	mg/Kg
Q1415-02	B-172-SB01	SOIL	Lead	9.02		0.15	0.58	mg/Kg
Q1415-02	B-172-SB01	SOIL	Magnesium	2670		3.33	97.0	mg/Kg
Q1415-02	B-172-SB01	SOIL	Manganese	317	D	0.14	1.94	mg/Kg
Q1415-02	B-172-SB01	SOIL	Nickel	13.9		0.087	1.94	mg/Kg
Q1415-02	B-172-SB01	SOIL	Potassium	810		27.8	97.0	mg/Kg
Q1415-02	B-172-SB01	SOIL	Sodium	73.8	J	35.0	97.0	mg/Kg
Q1415-02	B-172-SB01	SOIL	Vanadium	24.3		0.26	1.94	mg/Kg
Q1415-02	B-172-SB01	SOIL	Zinc	30.6		0.11	1.94	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1415

Order ID: Q1415

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-163-SB02								
Q1415-03	B-163-SB02	SOIL	Aluminum	6050		2.92	6.06	mg/Kg
Q1415-03	B-163-SB02	SOIL	Arsenic	3.67		0.35	1.21	mg/Kg
Q1415-03	B-163-SB02	SOIL	Barium	34.9		0.78	6.06	mg/Kg
Q1415-03	B-163-SB02	SOIL	Beryllium	0.46		0.015	0.36	mg/Kg
Q1415-03	B-163-SB02	SOIL	Calcium	1220		3.39	121	mg/Kg
Q1415-03	B-163-SB02	SOIL	Chromium	19.0		0.065	0.61	mg/Kg
Q1415-03	B-163-SB02	SOIL	Cobalt	7.70		0.070	1.82	mg/Kg
Q1415-03	B-163-SB02	SOIL	Copper	60.7		0.57	1.21	mg/Kg
Q1415-03	B-163-SB02	SOIL	Iron	17500		3.26	6.06	mg/Kg
Q1415-03	B-163-SB02	SOIL	Lead	22.3		0.18	0.73	mg/Kg
Q1415-03	B-163-SB02	SOIL	Magnesium	2720		4.16	121	mg/Kg
Q1415-03	B-163-SB02	SOIL	Manganese	251		0.086	1.21	mg/Kg
Q1415-03	B-163-SB02	SOIL	Mercury	0.042		0.0080	0.019	mg/Kg
Q1415-03	B-163-SB02	SOIL	Nickel	17.6		0.11	2.42	mg/Kg
Q1415-03	B-163-SB02	SOIL	Potassium	992		34.8	121	mg/Kg
Q1415-03	B-163-SB02	SOIL	Selenium	0.47	J	0.40	1.21	mg/Kg
Q1415-03	B-163-SB02	SOIL	Sodium	133		43.7	121	mg/Kg
Q1415-03	B-163-SB02	SOIL	Vanadium	19.0		0.33	2.42	mg/Kg
Q1415-03	B-163-SB02	SOIL	Zinc	117		0.13	2.42	mg/Kg
Client ID : B-172-SB02								
Q1415-04	B-172-SB02	SOIL	Aluminum	7340		2.39	4.95	mg/Kg
Q1415-04	B-172-SB02	SOIL	Arsenic	1.97		0.29	0.99	mg/Kg
Q1415-04	B-172-SB02	SOIL	Barium	45.4		0.63	4.95	mg/Kg
Q1415-04	B-172-SB02	SOIL	Beryllium	0.50		0.012	0.30	mg/Kg
Q1415-04	B-172-SB02	SOIL	Calcium	869		2.77	99.1	mg/Kg
Q1415-04	B-172-SB02	SOIL	Chromium	14.9		0.054	0.50	mg/Kg
Q1415-04	B-172-SB02	SOIL	Cobalt	7.08		0.057	1.49	mg/Kg
Q1415-04	B-172-SB02	SOIL	Copper	16.3		0.47	0.99	mg/Kg
Q1415-04	B-172-SB02	SOIL	Iron	14200		2.67	4.95	mg/Kg
Q1415-04	B-172-SB02	SOIL	Lead	8.95		0.15	0.60	mg/Kg
Q1415-04	B-172-SB02	SOIL	Magnesium	2810		3.40	99.1	mg/Kg
Q1415-04	B-172-SB02	SOIL	Manganese	175		0.070	0.99	mg/Kg
Q1415-04	B-172-SB02	SOIL	Mercury	0.011	J	0.0070	0.015	mg/Kg
Q1415-04	B-172-SB02	SOIL	Nickel	14.5		0.089	1.98	mg/Kg
Q1415-04	B-172-SB02	SOIL	Potassium	929		28.4	99.1	mg/Kg
Q1415-04	B-172-SB02	SOIL	Selenium	0.45	J	0.33	0.99	mg/Kg
Q1415-04	B-172-SB02	SOIL	Sodium	76.7	J	35.8	99.1	mg/Kg
Q1415-04	B-172-SB02	SOIL	Vanadium	16.5		0.27	1.98	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q1415	Order ID:	Q1415
Client:	Portal Partners Tri-Venture	Project ID:	Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1415-04	B-172-SB02	SOIL	Zinc	32.6		0.11	1.98	mg/Kg
Client ID : FB02222025								
Q1415-05	FB02222025	Water	Calcium	65.6	J	33.0	1000	ug/L
Q1415-05	FB02222025	Water	Sodium	277	J	237	1000	ug/L
Q1415-05	FB02222025	Water	Zinc	3.10	J	1.75	20.0	ug/L
Client ID : B-173-GW01								
Q1415-06	B-173-GW01	Water	Aluminum	42100		56.6	100	ug/L
Q1415-06	B-173-GW01	Water	Arsenic	16.1	J	6.96	20.0	ug/L
Q1415-06	B-173-GW01	Water	Barium	508		12.6	100	ug/L
Q1415-06	B-173-GW01	Water	Beryllium	3.13	J	0.26	6.00	ug/L
Q1415-06	B-173-GW01	Water	Calcium	99700		66.0	2000	ug/L
Q1415-06	B-173-GW01	Water	Chromium	187		1.32	10.0	ug/L
Q1415-06	B-173-GW01	Water	Cobalt	40.0		1.00	30.0	ug/L
Q1415-06	B-173-GW01	Water	Copper	290		14.1	20.0	ug/L
Q1415-06	B-173-GW01	Water	Iron	77800		37.0	100	ug/L
Q1415-06	B-173-GW01	Water	Lead	116		7.02	12.0	ug/L
Q1415-06	B-173-GW01	Water	Magnesium	68300		78.8	2000	ug/L
Q1415-06	B-173-GW01	Water	Manganese	2580		2.92	20.0	ug/L
Q1415-06	B-173-GW01	Water	Mercury	1.10		0.081	0.20	ug/L
Q1415-06	B-173-GW01	Water	Nickel	130		1.70	40.0	ug/L
Q1415-06	B-173-GW01	Water	Potassium	50900		1370	2000	ug/L
Q1415-06	B-173-GW01	Water	Sodium	525000		474	2000	ug/L
Q1415-06	B-173-GW01	Water	Vanadium	96.3		6.12	40.0	ug/L
Q1415-06	B-173-GW01	Water	Zinc	323		3.50	40.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-163-SB01	SDG No.:	Q1415
Lab Sample ID:	Q1415-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6850		1	2.58	5.36	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.68	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-38-2	Arsenic	2.00		1	0.31	1.07	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-39-3	Barium	45.4		1	0.69	5.36	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-41-7	Beryllium	0.48		1	0.013	0.32	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-43-9	Cadmium	0.017	U	1	0.017	0.32	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-70-2	Calcium	978		1	3.00	107	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-47-3	Chromium	17.6		1	0.058	0.54	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-48-4	Cobalt	33.0		1	0.062	1.61	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-50-8	Copper	39.9		1	0.50	1.07	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7439-89-6	Iron	14400		1	2.88	5.36	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7439-92-1	Lead	10.6		1	0.16	0.64	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7439-95-4	Magnesium	2600		1	3.67	107	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7439-96-5	Manganese	181	N	1	0.076	1.07	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7439-97-6	Mercury	0.011	JN	1	0.0070	0.016	mg/Kg	02/25/25 13:30	02/26/25 11:36	SW7471B	
7440-02-0	Nickel	79.2		1	0.096	2.14	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-09-7	Potassium	870		1	30.7	107	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7782-49-2	Selenium	0.47	J	1	0.35	1.07	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-22-4	Silver	0.056	U	1	0.056	0.54	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-23-5	Sodium	78.7	J	1	38.7	107	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-28-0	Thallium	0.47	U	1	0.47	2.14	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-62-2	Vanadium	15.3		1	0.29	2.14	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050
7440-66-6	Zinc	34.4		1	0.12	2.14	mg/Kg	02/24/25 12:05	03/07/25 11:16	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-172-SB01	SDG No.:	Q1415
Lab Sample ID:	Q1415-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6360		1	2.34	4.85	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-36-0	Antimony	0.15	UN	1	0.15	2.43	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-38-2	Arsenic	1.93		1	0.28	0.97	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-39-3	Barium	47.5		1	0.62	4.85	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-41-7	Beryllium	0.44		1	0.012	0.29	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-43-9	Cadmium	0.016	U	1	0.016	0.29	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-70-2	Calcium	1120		1	2.72	97.0	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-47-3	Chromium	13.8		1	0.052	0.49	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-48-4	Cobalt	7.65		1	0.056	1.46	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-50-8	Copper	19.3		1	0.46	0.97	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7439-89-6	Iron	13300		1	2.61	4.85	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7439-92-1	Lead	9.02		1	0.15	0.58	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7439-95-4	Magnesium	2670		1	3.33	97.0	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7439-96-5	Manganese	317	DN	2	0.14	1.94	mg/Kg	02/24/25 12:05	03/10/25 16:04	SW6010	SW3050
7439-97-6	Mercury	0.0070	UN	1	0.0070	0.016	mg/Kg	02/25/25 13:30	02/26/25 11:39	SW7471B	
7440-02-0	Nickel	13.9		1	0.087	1.94	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-09-7	Potassium	810		1	27.8	97.0	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7782-49-2	Selenium	0.32	U	1	0.32	0.97	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-22-4	Silver	0.050	U	1	0.050	0.49	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-23-5	Sodium	73.8	J	1	35.0	97.0	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-28-0	Thallium	0.43	U	1	0.43	1.94	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-62-2	Vanadium	24.3		1	0.26	1.94	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050
7440-66-6	Zinc	30.6		1	0.11	1.94	mg/Kg	02/24/25 12:05	03/07/25 11:20	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-163-SB02	SDG No.:	Q1415
Lab Sample ID:	Q1415-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	72.4

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	2.92	6.06	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-36-0	Antimony	0.18	UN	1	0.18	3.03	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-38-2	Arsenic	3.67		1	0.35	1.21	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-39-3	Barium	34.9		1	0.78	6.06	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-41-7	Beryllium	0.46		1	0.015	0.36	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-43-9	Cadmium	0.019	U	1	0.019	0.36	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-70-2	Calcium	1220		1	3.39	121	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-47-3	Chromium	19.0		1	0.065	0.61	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-48-4	Cobalt	7.70		1	0.070	1.82	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-50-8	Copper	60.7		1	0.57	1.21	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-89-6	Iron	17500		1	3.26	6.06	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-92-1	Lead	22.3		1	0.18	0.73	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-95-4	Magnesium	2720		1	4.16	121	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-96-5	Manganese	251	N	1	0.086	1.21	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-97-6	Mercury	0.042	N	1	0.0080	0.019	mg/Kg	02/25/25 13:30	02/26/25 11:41	SW7471B	
7440-02-0	Nickel	17.6		1	0.11	2.42	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-09-7	Potassium	992		1	34.8	121	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7782-49-2	Selenium	0.47	J	1	0.40	1.21	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-22-4	Silver	0.063	U	1	0.063	0.61	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-23-5	Sodium	133		1	43.7	121	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-28-0	Thallium	0.53	U	1	0.53	2.42	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-62-2	Vanadium	19.0		1	0.33	2.42	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-66-6	Zinc	117		1	0.13	2.42	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-172-SB02	SDG No.:	Q1415
Lab Sample ID:	Q1415-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7340		1	2.39	4.95	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-36-0	Antimony	0.15	UN	1	0.15	2.48	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-38-2	Arsenic	1.97		1	0.29	0.99	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-39-3	Barium	45.4		1	0.63	4.95	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-41-7	Beryllium	0.50		1	0.012	0.30	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-43-9	Cadmium	0.016	U	1	0.016	0.30	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-70-2	Calcium	869		1	2.77	99.1	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-47-3	Chromium	14.9		1	0.054	0.50	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-48-4	Cobalt	7.08		1	0.057	1.49	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-50-8	Copper	16.3		1	0.47	0.99	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7439-89-6	Iron	14200		1	2.67	4.95	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7439-92-1	Lead	8.95		1	0.15	0.60	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7439-95-4	Magnesium	2810		1	3.40	99.1	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7439-96-5	Manganese	175	N	1	0.070	0.99	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7439-97-6	Mercury	0.011	JN	1	0.0070	0.015	mg/Kg	02/25/25 13:30	02/26/25 11:43	SW7471B	
7440-02-0	Nickel	14.5		1	0.089	1.98	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-09-7	Potassium	929		1	28.4	99.1	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7782-49-2	Selenium	0.45	J	1	0.33	0.99	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-22-4	Silver	0.052	U	1	0.052	0.50	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-23-5	Sodium	76.7	J	1	35.8	99.1	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-28-0	Thallium	0.44	U	1	0.44	1.98	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-62-2	Vanadium	16.5		1	0.27	1.98	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050
7440-66-6	Zinc	32.6		1	0.11	1.98	mg/Kg	02/24/25 12:05	03/07/25 11:28	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	FB02222025	SDG No.:	Q1415
Lab Sample ID:	Q1415-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	28.3	U	1	28.3	50.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-36-0	Antimony	2.06	UN	1	2.06	25.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-39-3	Barium	6.28	U	1	6.28	50.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-70-2	Calcium	65.6	J	1	33.0	1000	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-47-3	Chromium	0.66	U	1	0.66	5.00	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7439-89-6	Iron	18.5	U	1	18.5	50.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7439-95-4	Magnesium	39.4	U	1	39.4	1000	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7439-96-5	Manganese	1.46	U	1	1.46	10.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	02/25/25 13:10	02/26/25 09:15	SW7470A	
7440-02-0	Nickel	0.85	U	1	0.85	20.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-09-7	Potassium	685	U	1	685	1000	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-23-5	Sodium	277	J	1	237	1000	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010
7440-66-6	Zinc	3.10	J	1	1.75	20.0	ug/L	02/25/25 09:10	03/10/25 13:17	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-173-GW01	SDG No.:	Q1415
Lab Sample ID:	Q1415-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	42100		1	56.6	100	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-36-0	Antimony	4.12	UN	1	4.12	50.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-38-2	Arsenic	16.1	J	1	6.96	20.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-39-3	Barium	508		1	12.6	100	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-41-7	Beryllium	3.13	J	1	0.26	6.00	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-43-9	Cadmium	0.19	U	1	0.19	6.00	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-70-2	Calcium	99700		1	66.0	2000	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-47-3	Chromium	187		1	1.32	10.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-48-4	Cobalt	40.0		1	1.00	30.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-50-8	Copper	290		1	14.1	20.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-89-6	Iron	77800		1	37.0	100	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-92-1	Lead	116		1	7.02	12.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-95-4	Magnesium	68300		1	78.8	2000	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-96-5	Manganese	2580		1	2.92	20.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-97-6	Mercury	1.10		1	0.081	0.20	ug/L	02/25/25 13:10	02/26/25 09:22	SW7470A	
7440-02-0	Nickel	130		1	1.70	40.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-09-7	Potassium	50900		1	1370	2000	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7782-49-2	Selenium	11.8	U	1	11.8	20.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-22-4	Silver	1.16	U	1	1.16	10.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-23-5	Sodium	525000		1	474	2000	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-28-0	Thallium	4.64	U	1	4.64	40.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-62-2	Vanadium	96.3		1	6.12	40.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-66-6	Zinc	323		1	3.50	40.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Clear	Texture:
Color After:	Light Brown	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Portal Partners Tri-Venture				SDG No.:	Q1415					
Contract:	PORT06		Lab Code:	CHEM		Case No.:	Q1415		SAS No.:	Q1415	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number		
ICB17	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	08:40	LB134804		

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB18	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	08:44	LB134804
CCB19	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	09:20	LB134804
CCB20	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	09:36	LB134804

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB19	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	11:15	LB134807

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB25	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	11:20	LB134807
CCB26	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	11:53	LB134807
CCB27	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	12:37	LB134807
CCB28	Mercury	0.20	+/-0.20	U	0.20	CV	02/26/2025	12:49	LB134807

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	02/26/2025	11:41	LB134813
	Antimony	50.0	+/-50.0	U	50.0	P	02/26/2025	11:41	LB134813
	Arsenic	20.0	+/-20.0	U	20.0	P	02/26/2025	11:41	LB134813
	Barium	100	+/-100	U	100	P	02/26/2025	11:41	LB134813
	Beryllium	6.00	+/-6.00	U	6.00	P	02/26/2025	11:41	LB134813
	Cadmium	6.00	+/-6.00	U	6.00	P	02/26/2025	11:41	LB134813
	Calcium	2000	+/-2000	U	2000	P	02/26/2025	11:41	LB134813
	Chromium	10.0	+/-10.0	U	10.0	P	02/26/2025	11:41	LB134813
	Cobalt	30.0	+/-30.0	U	30.0	P	02/26/2025	11:41	LB134813
	Copper	20.0	+/-20.0	U	20.0	P	02/26/2025	11:41	LB134813
	Iron	100	+/-100	U	100	P	02/26/2025	11:41	LB134813
	Lead	12.0	+/-12.0	U	12.0	P	02/26/2025	11:41	LB134813
	Magnesium	2000	+/-2000	U	2000	P	02/26/2025	11:41	LB134813
	Manganese	20.0	+/-20.0	U	20.0	P	02/26/2025	11:41	LB134813
	Nickel	40.0	+/-40.0	U	40.0	P	02/26/2025	11:41	LB134813
	Potassium	2000	+/-2000	U	2000	P	02/26/2025	11:41	LB134813
	Selenium	20.0	+/-20.0	U	20.0	P	02/26/2025	11:41	LB134813
	Silver	10.0	+/-10.0	U	10.0	P	02/26/2025	11:41	LB134813
	Sodium	2000	+/-2000	U	2000	P	02/26/2025	11:41	LB134813
	Thallium	40.0	+/-40.0	U	40.0	P	02/26/2025	11:41	LB134813
	Vanadium	40.0	+/-40.0	U	40.0	P	02/26/2025	11:41	LB134813
	Zinc	40.0	+/-40.0	U	40.0	P	02/26/2025	11:41	LB134813

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	02/26/2025	12:04	LB134813
	Antimony	50.0	+/-50.0	U	50.0	P	02/26/2025	12:04	LB134813
	Arsenic	20.0	+/-20.0	U	20.0	P	02/26/2025	12:04	LB134813
	Barium	100	+/-100	U	100	P	02/26/2025	12:04	LB134813
	Beryllium	6.00	+/-6.00	U	6.00	P	02/26/2025	12:04	LB134813
	Cadmium	6.00	+/-6.00	U	6.00	P	02/26/2025	12:04	LB134813
	Calcium	2000	+/-2000	U	2000	P	02/26/2025	12:04	LB134813
	Chromium	10.0	+/-10.0	U	10.0	P	02/26/2025	12:04	LB134813
	Cobalt	30.0	+/-30.0	U	30.0	P	02/26/2025	12:04	LB134813
	Copper	20.0	+/-20.0	U	20.0	P	02/26/2025	12:04	LB134813
	Iron	100	+/-100	U	100	P	02/26/2025	12:04	LB134813
	Lead	12.0	+/-12.0	U	12.0	P	02/26/2025	12:04	LB134813
	Magnesium	2000	+/-2000	U	2000	P	02/26/2025	12:04	LB134813
	Manganese	20.0	+/-20.0	U	20.0	P	02/26/2025	12:04	LB134813
	Nickel	40.0	+/-40.0	U	40.0	P	02/26/2025	12:04	LB134813
	Potassium	2000	+/-2000	U	2000	P	02/26/2025	12:04	LB134813
	Selenium	20.0	+/-20.0	U	20.0	P	02/26/2025	12:04	LB134813
	Silver	10.0	+/-10.0	U	10.0	P	02/26/2025	12:04	LB134813
	Sodium	2000	+/-2000	U	2000	P	02/26/2025	12:04	LB134813
	Thallium	40.0	+/-40.0	U	40.0	P	02/26/2025	12:04	LB134813
	Vanadium	40.0	+/-40.0	U	40.0	P	02/26/2025	12:04	LB134813
	Zinc	40.0	+/-40.0	U	40.0	P	02/26/2025	12:04	LB134813
CCB02	Aluminum	100	+/-100	U	100	P	02/26/2025	13:15	LB134813
	Antimony	50.0	+/-50.0	U	50.0	P	02/26/2025	13:15	LB134813
	Arsenic	20.0	+/-20.0	U	20.0	P	02/26/2025	13:15	LB134813
	Barium	100	+/-100	U	100	P	02/26/2025	13:15	LB134813
	Beryllium	6.00	+/-6.00	U	6.00	P	02/26/2025	13:15	LB134813
	Cadmium	6.00	+/-6.00	U	6.00	P	02/26/2025	13:15	LB134813
	Calcium	2000	+/-2000	U	2000	P	02/26/2025	13:15	LB134813
	Chromium	10.0	+/-10.0	U	10.0	P	02/26/2025	13:15	LB134813
	Cobalt	30.0	+/-30.0	U	30.0	P	02/26/2025	13:15	LB134813
	Copper	20.0	+/-20.0	U	20.0	P	02/26/2025	13:15	LB134813
	Iron	100	+/-100	U	100	P	02/26/2025	13:15	LB134813
	Lead	12.0	+/-12.0	U	12.0	P	02/26/2025	13:15	LB134813
	Magnesium	2000	+/-2000	U	2000	P	02/26/2025	13:15	LB134813
	Manganese	20.0	+/-20.0	U	20.0	P	02/26/2025	13:15	LB134813
	Nickel	40.0	+/-40.0	U	40.0	P	02/26/2025	13:15	LB134813
	Potassium	2000	+/-2000	U	2000	P	02/26/2025	13:15	LB134813
	Selenium	20.0	+/-20.0	U	20.0	P	02/26/2025	13:15	LB134813

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	02/26/2025	13:15	LB134813
	Sodium	2000	+/-2000	U	2000	P	02/26/2025	13:15	LB134813
	Thallium	40.0	+/-40.0	U	40.0	P	02/26/2025	13:15	LB134813
	Vanadium	40.0	+/-40.0	U	40.0	P	02/26/2025	13:15	LB134813
	Zinc	40.0	+/-40.0	U	40.0	P	02/26/2025	13:15	LB134813
CCB03	Aluminum	100	+/-100	U	100	P	02/26/2025	14:09	LB134813
	Antimony	50.0	+/-50.0	U	50.0	P	02/26/2025	14:09	LB134813
	Arsenic	20.0	+/-20.0	U	20.0	P	02/26/2025	14:09	LB134813
	Barium	100	+/-100	U	100	P	02/26/2025	14:09	LB134813
	Beryllium	6.00	+/-6.00	U	6.00	P	02/26/2025	14:09	LB134813
	Cadmium	6.00	+/-6.00	U	6.00	P	02/26/2025	14:09	LB134813
	Calcium	2000	+/-2000	U	2000	P	02/26/2025	14:09	LB134813
	Chromium	10.0	+/-10.0	U	10.0	P	02/26/2025	14:09	LB134813
	Cobalt	30.0	+/-30.0	U	30.0	P	02/26/2025	14:09	LB134813
	Copper	20.0	+/-20.0	U	20.0	P	02/26/2025	14:09	LB134813
	Iron	100	+/-100	U	100	P	02/26/2025	14:09	LB134813
	Lead	12.0	+/-12.0	U	12.0	P	02/26/2025	14:09	LB134813
	Magnesium	2000	+/-2000	U	2000	P	02/26/2025	14:09	LB134813
	Manganese	20.0	+/-20.0	U	20.0	P	02/26/2025	14:09	LB134813
	Nickel	40.0	+/-40.0	U	40.0	P	02/26/2025	14:09	LB134813
	Potassium	2000	+/-2000	U	2000	P	02/26/2025	14:09	LB134813
	Selenium	20.0	+/-20.0	U	20.0	P	02/26/2025	14:09	LB134813
	Silver	10.0	+/-10.0	U	10.0	P	02/26/2025	14:09	LB134813
	Sodium	2000	+/-2000	U	2000	P	02/26/2025	14:09	LB134813
	Thallium	40.0	+/-40.0	U	40.0	P	02/26/2025	14:09	LB134813
	Vanadium	40.0	+/-40.0	U	40.0	P	02/26/2025	14:09	LB134813
	Zinc	40.0	+/-40.0	U	40.0	P	02/26/2025	14:09	LB134813
CCB04	Aluminum	100	+/-100	U	100	P	02/26/2025	15:43	LB134813
	Antimony	50.0	+/-50.0	U	50.0	P	02/26/2025	15:43	LB134813
	Arsenic	20.0	+/-20.0	U	20.0	P	02/26/2025	15:43	LB134813
	Barium	100	+/-100	U	100	P	02/26/2025	15:43	LB134813
	Beryllium	6.00	+/-6.00	U	6.00	P	02/26/2025	15:43	LB134813
	Cadmium	6.00	+/-6.00	U	6.00	P	02/26/2025	15:43	LB134813
	Calcium	2000	+/-2000	U	2000	P	02/26/2025	15:43	LB134813
	Chromium	10.0	+/-10.0	U	10.0	P	02/26/2025	15:43	LB134813
	Cobalt	30.0	+/-30.0	U	30.0	P	02/26/2025	15:43	LB134813
	Copper	20.0	+/-20.0	U	20.0	P	02/26/2025	15:43	LB134813
	Iron	100	+/-100	U	100	P	02/26/2025	15:43	LB134813
	Lead	12.0	+/-12.0	U	12.0	P	02/26/2025	15:43	LB134813

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	02/26/2025	15:43	LB134813
	Manganese	20.0	+/-20.0	U	20.0	P	02/26/2025	15:43	LB134813
	Nickel	40.0	+/-40.0	U	40.0	P	02/26/2025	15:43	LB134813
	Potassium	2000	+/-2000	U	2000	P	02/26/2025	15:43	LB134813
	Selenium	20.0	+/-20.0	U	20.0	P	02/26/2025	15:43	LB134813
	Silver	10.0	+/-10.0	U	10.0	P	02/26/2025	15:43	LB134813
	Sodium	2000	+/-2000	U	2000	P	02/26/2025	15:43	LB134813
	Thallium	40.0	+/-40.0	U	40.0	P	02/26/2025	15:43	LB134813
	Vanadium	40.0	+/-40.0	U	40.0	P	02/26/2025	15:43	LB134813
	Zinc	40.0	+/-40.0	U	40.0	P	02/26/2025	15:43	LB134813

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	03/07/2025	10:20	LB134952
	Antimony	50.0	+/-50.0	U	50.0	P	03/07/2025	10:20	LB134952
	Arsenic	20.0	+/-20.0	U	20.0	P	03/07/2025	10:20	LB134952
	Barium	100	+/-100	U	100	P	03/07/2025	10:20	LB134952
	Beryllium	6.00	+/-6.00	U	6.00	P	03/07/2025	10:20	LB134952
	Cadmium	6.00	+/-6.00	U	6.00	P	03/07/2025	10:20	LB134952
	Calcium	2000	+/-2000	U	2000	P	03/07/2025	10:20	LB134952
	Chromium	10.0	+/-10.0	U	10.0	P	03/07/2025	10:20	LB134952
	Cobalt	30.0	+/-30.0	U	30.0	P	03/07/2025	10:20	LB134952
	Copper	20.0	+/-20.0	U	20.0	P	03/07/2025	10:20	LB134952
	Iron	100	+/-100	U	100	P	03/07/2025	10:20	LB134952
	Lead	12.0	+/-12.0	U	12.0	P	03/07/2025	10:20	LB134952
	Magnesium	2000	+/-2000	U	2000	P	03/07/2025	10:20	LB134952
	Manganese	20.0	+/-20.0	U	20.0	P	03/07/2025	10:20	LB134952
	Nickel	40.0	+/-40.0	U	40.0	P	03/07/2025	10:20	LB134952
	Potassium	2000	+/-2000	U	2000	P	03/07/2025	10:20	LB134952
	Selenium	20.0	+/-20.0	U	20.0	P	03/07/2025	10:20	LB134952
	Silver	10.0	+/-10.0	U	10.0	P	03/07/2025	10:20	LB134952
	Sodium	2000	+/-2000	U	2000	P	03/07/2025	10:20	LB134952
	Thallium	40.0	+/-40.0	U	40.0	P	03/07/2025	10:20	LB134952
	Vanadium	40.0	+/-40.0	U	40.0	P	03/07/2025	10:20	LB134952
	Zinc	40.0	+/-40.0	U	40.0	P	03/07/2025	10:20	LB134952

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	03/07/2025	11:03	LB134952
	Antimony	50.0	+/-50.0	U	50.0	P	03/07/2025	11:03	LB134952
	Arsenic	20.0	+/-20.0	U	20.0	P	03/07/2025	11:03	LB134952
	Barium	100	+/-100	U	100	P	03/07/2025	11:03	LB134952
	Beryllium	6.00	+/-6.00	U	6.00	P	03/07/2025	11:03	LB134952
	Cadmium	6.00	+/-6.00	U	6.00	P	03/07/2025	11:03	LB134952
	Calcium	2000	+/-2000	U	2000	P	03/07/2025	11:03	LB134952
	Chromium	10.0	+/-10.0	U	10.0	P	03/07/2025	11:03	LB134952
	Cobalt	30.0	+/-30.0	U	30.0	P	03/07/2025	11:03	LB134952
	Copper	20.0	+/-20.0	U	20.0	P	03/07/2025	11:03	LB134952
	Iron	100	+/-100	U	100	P	03/07/2025	11:03	LB134952
	Lead	12.0	+/-12.0	U	12.0	P	03/07/2025	11:03	LB134952
	Magnesium	2000	+/-2000	U	2000	P	03/07/2025	11:03	LB134952
	Manganese	20.0	+/-20.0	U	20.0	P	03/07/2025	11:03	LB134952
	Nickel	40.0	+/-40.0	U	40.0	P	03/07/2025	11:03	LB134952
	Potassium	2000	+/-2000	U	2000	P	03/07/2025	11:03	LB134952
	Selenium	20.0	+/-20.0	U	20.0	P	03/07/2025	11:03	LB134952
	Silver	1.18	+/-10.0	J	10.0	P	03/07/2025	11:03	LB134952
	Sodium	2000	+/-2000	U	2000	P	03/07/2025	11:03	LB134952
	Thallium	40.0	+/-40.0	U	40.0	P	03/07/2025	11:03	LB134952
	Vanadium	40.0	+/-40.0	U	40.0	P	03/07/2025	11:03	LB134952
	Zinc	40.0	+/-40.0	U	40.0	P	03/07/2025	11:03	LB134952
CCB02	Aluminum	100	+/-100	U	100	P	03/07/2025	12:03	LB134952
	Antimony	50.0	+/-50.0	U	50.0	P	03/07/2025	12:03	LB134952
	Arsenic	20.0	+/-20.0	U	20.0	P	03/07/2025	12:03	LB134952
	Barium	100	+/-100	U	100	P	03/07/2025	12:03	LB134952
	Beryllium	6.00	+/-6.00	U	6.00	P	03/07/2025	12:03	LB134952
	Cadmium	6.00	+/-6.00	U	6.00	P	03/07/2025	12:03	LB134952
	Calcium	2000	+/-2000	U	2000	P	03/07/2025	12:03	LB134952
	Chromium	10.0	+/-10.0	U	10.0	P	03/07/2025	12:03	LB134952
	Cobalt	30.0	+/-30.0	U	30.0	P	03/07/2025	12:03	LB134952
	Copper	20.0	+/-20.0	U	20.0	P	03/07/2025	12:03	LB134952
	Iron	100	+/-100	U	100	P	03/07/2025	12:03	LB134952
	Lead	12.0	+/-12.0	U	12.0	P	03/07/2025	12:03	LB134952
	Magnesium	2000	+/-2000	U	2000	P	03/07/2025	12:03	LB134952
	Manganese	20.0	+/-20.0	U	20.0	P	03/07/2025	12:03	LB134952
	Nickel	40.0	+/-40.0	U	40.0	P	03/07/2025	12:03	LB134952
	Potassium	2000	+/-2000	U	2000	P	03/07/2025	12:03	LB134952
	Selenium	20.0	+/-20.0	U	20.0	P	03/07/2025	12:03	LB134952

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	03/07/2025	12:03	LB134952
	Sodium	2000	+/-2000	U	2000	P	03/07/2025	12:03	LB134952
	Thallium	40.0	+/-40.0	U	40.0	P	03/07/2025	12:03	LB134952
	Vanadium	40.0	+/-40.0	U	40.0	P	03/07/2025	12:03	LB134952
	Zinc	40.0	+/-40.0	U	40.0	P	03/07/2025	12:03	LB134952

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	03/10/2025	11:57	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	11:57	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	11:57	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	11:57	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	11:57	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	11:57	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	11:57	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	11:57	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	11:57	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	11:57	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	11:57	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	11:57	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	11:57	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	11:57	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	11:57	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	11:57	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	11:57	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	11:57	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	11:57	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	11:57	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	11:57	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	11:57	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	03/10/2025	12:34	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	12:34	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	12:34	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	12:34	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	12:34	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	12:34	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	12:34	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	12:34	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	12:34	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	12:34	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	12:34	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	12:34	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	12:34	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	12:34	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	12:34	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	12:34	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	12:34	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	12:34	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	12:34	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	12:34	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	12:34	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	12:34	LB134965
CCB02	Aluminum	100	+/-100	U	100	P	03/10/2025	13:25	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	13:25	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	13:25	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	13:25	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	13:25	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	13:25	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	13:25	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	13:25	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	13:25	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	13:25	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	13:25	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	13:25	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	13:25	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	13:25	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	13:25	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	13:25	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	13:25	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	13:25	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	13:25	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	13:25	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	13:25	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	13:25	LB134965
CCB03	Aluminum	100	+/-100	U	100	P	03/10/2025	14:15	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	14:15	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	14:15	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	14:15	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	14:15	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	14:15	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	14:15	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	14:15	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	14:15	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	14:15	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	14:15	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	14:15	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	14:15	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	14:15	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	14:15	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	14:15	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	14:15	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	14:15	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	14:15	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	14:15	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	14:15	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	14:15	LB134965
CCB04	Aluminum	100	+/-100	U	100	P	03/10/2025	15:05	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	15:05	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	15:05	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	15:05	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	15:05	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	15:05	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	15:05	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	15:05	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	15:05	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	15:05	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	15:05	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	15:05	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	15:05	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	15:05	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	15:05	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	15:05	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	15:05	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	15:05	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	15:05	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	15:05	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	15:05	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	15:05	LB134965
CCB05	Aluminum	100	+/-100	U	100	P	03/10/2025	15:55	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	15:55	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	15:55	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	15:55	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	15:55	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	15:55	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	15:55	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	15:55	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	15:55	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	15:55	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	15:55	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	15:55	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	15:55	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	15:55	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	15:55	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	15:55	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	15:55	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	15:55	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	15:55	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	15:55	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	15:55	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	15:55	LB134965
CCB06	Aluminum	100	+/-100	U	100	P	03/10/2025	16:52	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	16:52	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	16:52	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	16:52	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	16:52	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	16:52	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	16:52	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	16:52	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	16:52	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	16:52	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	16:52	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	16:52	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	16:52	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	16:52	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	16:52	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	16:52	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	16:52	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	16:52	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	16:52	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	16:52	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	16:52	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	16:52	LB134965
CCB07	Aluminum	100	+/-100	U	100	P	03/10/2025	17:44	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	17:44	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	17:44	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	17:44	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	17:44	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	17:44	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	17:44	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	17:44	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	17:44	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	17:44	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	17:44	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	17:44	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	17:44	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	17:44	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	17:44	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	17:44	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	17:44	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	17:44	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	17:44	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	17:44	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	17:44	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	17:44	LB134965
CCB08	Aluminum	100	+/-100	U	100	P	03/10/2025	18:33	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	18:33	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	18:33	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	18:33	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	18:33	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	18:33	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	18:33	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	18:33	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	18:33	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	18:33	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	18:33	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	18:33	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	18:33	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	18:33	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	18:33	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	18:33	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	18:33	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	18:33	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	18:33	LB134965
	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	18:33	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	18:33	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	18:33	LB134965
CCB09	Aluminum	100	+/-100	U	100	P	03/10/2025	18:50	LB134965
	Antimony	50.0	+/-50.0	U	50.0	P	03/10/2025	18:50	LB134965
	Arsenic	20.0	+/-20.0	U	20.0	P	03/10/2025	18:50	LB134965
	Barium	100	+/-100	U	100	P	03/10/2025	18:50	LB134965
	Beryllium	6.00	+/-6.00	U	6.00	P	03/10/2025	18:50	LB134965
	Cadmium	6.00	+/-6.00	U	6.00	P	03/10/2025	18:50	LB134965
	Calcium	2000	+/-2000	U	2000	P	03/10/2025	18:50	LB134965
	Chromium	10.0	+/-10.0	U	10.0	P	03/10/2025	18:50	LB134965
	Cobalt	30.0	+/-30.0	U	30.0	P	03/10/2025	18:50	LB134965
	Copper	20.0	+/-20.0	U	20.0	P	03/10/2025	18:50	LB134965
	Iron	100	+/-100	U	100	P	03/10/2025	18:50	LB134965
	Lead	12.0	+/-12.0	U	12.0	P	03/10/2025	18:50	LB134965
	Magnesium	2000	+/-2000	U	2000	P	03/10/2025	18:50	LB134965
	Manganese	20.0	+/-20.0	U	20.0	P	03/10/2025	18:50	LB134965
	Nickel	40.0	+/-40.0	U	40.0	P	03/10/2025	18:50	LB134965
	Potassium	2000	+/-2000	U	2000	P	03/10/2025	18:50	LB134965
	Selenium	20.0	+/-20.0	U	20.0	P	03/10/2025	18:50	LB134965
	Silver	10.0	+/-10.0	U	10.0	P	03/10/2025	18:50	LB134965
	Sodium	2000	+/-2000	U	2000	P	03/10/2025	18:50	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	03/10/2025	18:50	LB134965
	Vanadium	40.0	+/-40.0	U	40.0	P	03/10/2025	18:50	LB134965
	Zinc	40.0	+/-40.0	U	40.0	P	03/10/2025	18:50	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	03/11/2025	10:58	LB134987
	Antimony	50.0	+/-50.0	U	50.0	P	03/11/2025	10:58	LB134987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	10:58	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	10:58	LB134987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/11/2025	10:58	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	10:58	LB134987
	Calcium	2000	+/-2000	U	2000	P	03/11/2025	10:58	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	10:58	LB134987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/11/2025	10:58	LB134987
	Copper	20.0	+/-20.0	U	20.0	P	03/11/2025	10:58	LB134987
	Iron	100	+/-100	U	100	P	03/11/2025	10:58	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	10:58	LB134987
	Magnesium	2000	+/-2000	U	2000	P	03/11/2025	10:58	LB134987
	Manganese	20.0	+/-20.0	U	20.0	P	03/11/2025	10:58	LB134987
	Nickel	40.0	+/-40.0	U	40.0	P	03/11/2025	10:58	LB134987
	Potassium	2000	+/-2000	U	2000	P	03/11/2025	10:58	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	10:58	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	10:58	LB134987
	Sodium	2000	+/-2000	U	2000	P	03/11/2025	10:58	LB134987
	Thallium	40.0	+/-40.0	U	40.0	P	03/11/2025	10:58	LB134987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/11/2025	10:58	LB134987
	Zinc	40.0	+/-40.0	U	40.0	P	03/11/2025	10:58	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	03/11/2025	11:34	LB134987
	Antimony	50.0	+/-50.0	U	50.0	P	03/11/2025	11:34	LB134987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	11:34	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	11:34	LB134987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/11/2025	11:34	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	11:34	LB134987
	Calcium	2000	+/-2000	U	2000	P	03/11/2025	11:34	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	11:34	LB134987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/11/2025	11:34	LB134987
	Copper	20.0	+/-20.0	U	20.0	P	03/11/2025	11:34	LB134987
	Iron	100	+/-100	U	100	P	03/11/2025	11:34	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	11:34	LB134987
	Magnesium	2000	+/-2000	U	2000	P	03/11/2025	11:34	LB134987
	Manganese	20.0	+/-20.0	U	20.0	P	03/11/2025	11:34	LB134987
	Nickel	40.0	+/-40.0	U	40.0	P	03/11/2025	11:34	LB134987
	Potassium	2000	+/-2000	U	2000	P	03/11/2025	11:34	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	11:34	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	11:34	LB134987
	Sodium	2000	+/-2000	U	2000	P	03/11/2025	11:34	LB134987
	Thallium	40.0	+/-40.0	U	40.0	P	03/11/2025	11:34	LB134987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/11/2025	11:34	LB134987
	Zinc	40.0	+/-40.0	U	40.0	P	03/11/2025	11:34	LB134987
CCB02	Aluminum	100	+/-100	U	100	P	03/11/2025	12:23	LB134987
	Antimony	50.0	+/-50.0	U	50.0	P	03/11/2025	12:23	LB134987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	12:23	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	12:23	LB134987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/11/2025	12:23	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	12:23	LB134987
	Calcium	2000	+/-2000	U	2000	P	03/11/2025	12:23	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	12:23	LB134987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/11/2025	12:23	LB134987
	Copper	20.0	+/-20.0	U	20.0	P	03/11/2025	12:23	LB134987
	Iron	100	+/-100	U	100	P	03/11/2025	12:23	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	12:23	LB134987
	Magnesium	2000	+/-2000	U	2000	P	03/11/2025	12:23	LB134987
	Manganese	20.0	+/-20.0	U	20.0	P	03/11/2025	12:23	LB134987
	Nickel	40.0	+/-40.0	U	40.0	P	03/11/2025	12:23	LB134987
	Potassium	2000	+/-2000	U	2000	P	03/11/2025	12:23	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	12:23	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	12:23	LB134987
	Sodium	2000	+/-2000	U	2000	P	03/11/2025	12:23	LB134987
	Thallium	40.0	+/-40.0	U	40.0	P	03/11/2025	12:23	LB134987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/11/2025	12:23	LB134987
	Zinc	40.0	+/-40.0	U	40.0	P	03/11/2025	12:23	LB134987
CCB03	Aluminum	100	+/-100	U	100	P	03/11/2025	13:14	LB134987
	Antimony	50.0	+/-50.0	U	50.0	P	03/11/2025	13:14	LB134987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	13:14	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	13:14	LB134987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/11/2025	13:14	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	13:14	LB134987
	Calcium	2000	+/-2000	U	2000	P	03/11/2025	13:14	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	13:14	LB134987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/11/2025	13:14	LB134987
	Copper	20.0	+/-20.0	U	20.0	P	03/11/2025	13:14	LB134987
	Iron	100	+/-100	U	100	P	03/11/2025	13:14	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	13:14	LB134987
	Magnesium	2000	+/-2000	U	2000	P	03/11/2025	13:14	LB134987
	Manganese	20.0	+/-20.0	U	20.0	P	03/11/2025	13:14	LB134987
	Nickel	40.0	+/-40.0	U	40.0	P	03/11/2025	13:14	LB134987
	Potassium	2000	+/-2000	U	2000	P	03/11/2025	13:14	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	13:14	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	13:14	LB134987
	Sodium	2000	+/-2000	U	2000	P	03/11/2025	13:14	LB134987
	Thallium	40.0	+/-40.0	U	40.0	P	03/11/2025	13:14	LB134987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/11/2025	13:14	LB134987
	Zinc	40.0	+/-40.0	U	40.0	P	03/11/2025	13:14	LB134987
CCB04	Aluminum	100	+/-100	U	100	P	03/11/2025	14:13	LB134987
	Antimony	50.0	+/-50.0	U	50.0	P	03/11/2025	14:13	LB134987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	14:13	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	14:13	LB134987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/11/2025	14:13	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	14:13	LB134987
	Calcium	2000	+/-2000	U	2000	P	03/11/2025	14:13	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	14:13	LB134987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/11/2025	14:13	LB134987
	Copper	20.0	+/-20.0	U	20.0	P	03/11/2025	14:13	LB134987
	Iron	100	+/-100	U	100	P	03/11/2025	14:13	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	14:13	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: Q1415							
Contract: PORT06	Lab Code: CHEM	Case No.: Q1415	SAS No.: Q1415						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	03/11/2025	14:13	LB134987
	Manganese	20.0	+/-20.0	U	20.0	P	03/11/2025	14:13	LB134987
	Nickel	40.0	+/-40.0	U	40.0	P	03/11/2025	14:13	LB134987
	Potassium	2000	+/-2000	U	2000	P	03/11/2025	14:13	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	14:13	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	14:13	LB134987
	Sodium	2000	+/-2000	U	2000	P	03/11/2025	14:13	LB134987
	Thallium	40.0	+/-40.0	U	40.0	P	03/11/2025	14:13	LB134987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/11/2025	14:13	LB134987
	Zinc	40.0	+/-40.0	U	40.0	P	03/11/2025	14:13	LB134987
CCB05	Aluminum	100	+/-100	U	100	P	03/11/2025	15:04	LB134987
	Antimony	50.0	+/-50.0	U	50.0	P	03/11/2025	15:04	LB134987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	15:04	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	15:04	LB134987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/11/2025	15:04	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	15:04	LB134987
	Calcium	2000	+/-2000	U	2000	P	03/11/2025	15:04	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	15:04	LB134987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/11/2025	15:04	LB134987
	Copper	20.0	+/-20.0	U	20.0	P	03/11/2025	15:04	LB134987
	Iron	100	+/-100	U	100	P	03/11/2025	15:04	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	15:04	LB134987
	Magnesium	2000	+/-2000	U	2000	P	03/11/2025	15:04	LB134987
	Manganese	20.0	+/-20.0	U	20.0	P	03/11/2025	15:04	LB134987
	Nickel	40.0	+/-40.0	U	40.0	P	03/11/2025	15:04	LB134987
	Potassium	2000	+/-2000	U	2000	P	03/11/2025	15:04	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	15:04	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	15:04	LB134987
	Sodium	2000	+/-2000	U	2000	P	03/11/2025	15:04	LB134987
	Thallium	40.0	+/-40.0	U	40.0	P	03/11/2025	15:04	LB134987
CCB06	Vanadium	40.0	+/-40.0	U	40.0	P	03/11/2025	15:04	LB134987
	Zinc	40.0	+/-40.0	U	40.0	P	03/11/2025	15:04	LB134987
	Aluminum	100	+/-100	U	100	P	03/11/2025	15:54	LB134987
	Antimony	50.0	+/-50.0	U	50.0	P	03/11/2025	15:54	LB134987
	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	15:54	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	15:54	LB134987
	Beryllium	6.00	+/-6.00	U	6.00	P	03/11/2025	15:54	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	15:54	LB134987
	Calcium	2000	+/-2000	U	2000	P	03/11/2025	15:54	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	15:54	LB134987
	Cobalt	30.0	+/-30.0	U	30.0	P	03/11/2025	15:54	LB134987
	Copper	20.0	+/-20.0	U	20.0	P	03/11/2025	15:54	LB134987
	Iron	100	+/-100	U	100	P	03/11/2025	15:54	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	15:54	LB134987
	Magnesium	2000	+/-2000	U	2000	P	03/11/2025	15:54	LB134987
	Manganese	20.0	+/-20.0	U	20.0	P	03/11/2025	15:54	LB134987
	Nickel	40.0	+/-40.0	U	40.0	P	03/11/2025	15:54	LB134987
	Potassium	2000	+/-2000	U	2000	P	03/11/2025	15:54	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	15:54	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	15:54	LB134987
	Sodium	2000	+/-2000	U	2000	P	03/11/2025	15:54	LB134987
	Thallium	40.0	+/-40.0	U	40.0	P	03/11/2025	15:54	LB134987
	Vanadium	40.0	+/-40.0	U	40.0	P	03/11/2025	15:54	LB134987
	Zinc	40.0	+/-40.0	U	40.0	P	03/11/2025	15:54	LB134987

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166864BL		SOLID		Batch Number:	PB166864		Prep Date:	02/25/2025	
	Mercury	0.013	<0.013	U	0.013	CV	02/26/2025	11:32	LB134807
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166869BL		WATER		Batch Number:	PB166869		Prep Date:	02/25/2025	
	Mercury	0.20	<0.20	U	0.20	CV	02/26/2025	09:02	LB134804

Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166834BL	SOLID			Batch Number:	PB166834		Prep Date:	02/24/2025	
	Aluminum	4.22	<4.22	U	4.22	P	03/07/2025	11:32	LB134952
	Antimony	2.11	<2.11	U	2.11	P	03/07/2025	11:32	LB134952
	Arsenic	0.84	<0.84	U	0.84	P	03/07/2025	11:32	LB134952
	Barium	4.22	<4.22	U	4.22	P	03/07/2025	11:32	LB134952
	Beryllium	0.25	<0.25	U	0.25	P	03/07/2025	11:32	LB134952
	Cadmium	0.25	<0.25	U	0.25	P	03/07/2025	11:32	LB134952
	Calcium	84.4	<84.4	U	84.4	P	03/07/2025	11:32	LB134952
	Chromium	0.42	<0.42	U	0.42	P	03/07/2025	11:32	LB134952
	Cobalt	1.27	<1.27	U	1.27	P	03/07/2025	11:32	LB134952
	Copper	0.84	<0.84	U	0.84	P	03/07/2025	11:32	LB134952
	Iron	4.22	<4.22	U	4.22	P	03/07/2025	11:32	LB134952
	Lead	0.51	<0.51	U	0.51	P	03/07/2025	11:32	LB134952
	Magnesium	84.4	<84.4	U	84.4	P	03/07/2025	11:32	LB134952
	Manganese	0.84	<0.84	U	0.84	P	03/07/2025	11:32	LB134952
	Nickel	1.69	<1.69	U	1.69	P	03/07/2025	11:32	LB134952
	Potassium	84.4	<84.4	U	84.4	P	03/07/2025	11:32	LB134952
	Selenium	0.84	<0.84	U	0.84	P	03/07/2025	11:32	LB134952
	Silver	0.044	<0.42	J	0.42	P	03/07/2025	11:32	LB134952
	Sodium	84.4	<84.4	U	84.4	P	03/07/2025	11:32	LB134952
	Thallium	1.69	<1.69	U	1.69	P	03/07/2025	11:32	LB134952
	Vanadium	1.69	<1.69	U	1.69	P	03/07/2025	11:32	LB134952
	Zinc	1.69	<1.69	U	1.69	P	03/07/2025	11:32	LB134952
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166859BL	WATER			Batch Number:	PB166859		Prep Date:	02/25/2025	
	Aluminum	50.0	<50.0	U	50.0	P	03/10/2025	17:34	LB134965
	Antimony	25.0	<25.0	U	25.0	P	03/10/2025	17:34	LB134965
	Arsenic	10.0	<10.0	U	10.0	P	03/10/2025	17:34	LB134965
	Barium	50.0	<50.0	U	50.0	P	03/10/2025	17:34	LB134965
	Beryllium	3.00	<3.00	U	3.00	P	03/10/2025	17:34	LB134965
	Cadmium	3.00	<3.00	U	3.00	P	03/10/2025	17:34	LB134965
	Calcium	1000	<1000	U	1000	P	03/10/2025	17:34	LB134965
	Chromium	5.00	<5.00	U	5.00	P	03/10/2025	17:34	LB134965
	Cobalt	15.0	<15.0	U	15.0	P	03/10/2025	17:34	LB134965
	Copper	10.0	<10.0	U	10.0	P	03/10/2025	17:34	LB134965
	Iron	50.0	<50.0	U	50.0	P	03/10/2025	17:34	LB134965
	Lead	6.00	<6.00	U	6.00	P	03/10/2025	17:34	LB134965
	Magnesium	1000	<1000	U	1000	P	03/10/2025	17:34	LB134965
	Manganese	10.0	<10.0	U	10.0	P	03/10/2025	17:34	LB134965
	Nickel	20.0	<20.0	U	20.0	P	03/10/2025	17:34	LB134965

Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Instrument: P4

Potassium	1000	<1000	U	1000	P	03/10/2025	17:34	LB134965
Selenium	10.0	<10.0	U	10.0	P	03/10/2025	17:34	LB134965
Silver	5.00	<5.00	U	5.00	P	03/10/2025	17:34	LB134965
Sodium	1000	<1000	U	1000	P	03/10/2025	17:34	LB134965
Thallium	20.0	<20.0	U	20.0	P	03/10/2025	17:34	LB134965
Vanadium	20.0	<20.0	U	20.0	P	03/10/2025	17:34	LB134965
Zinc	20.0	<20.0	U	20.0	P	03/10/2025	17:34	LB134965



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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
ICV17	Mercury	4.17	4.0	104	90 - 110	CV	02/26/2025	08:35	LB134804

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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
CCV18	Mercury	5.36	5.0	107	90 - 110	CV	02/26/2025	08:42	LB134804
CCV19	Mercury	5.32	5.0	106	90 - 110	CV	02/26/2025	09:18	LB134804
CCV20	Mercury	4.78	5.0	96	90 - 110	CV	02/26/2025	09:33	LB134804

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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
ICV19	Mercury	3.63	4.0	91	90 - 110	CV	02/26/2025	11:10	LB134807

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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
CCV25	Mercury	5.01	5.0	100	90 - 110	CV	02/26/2025	11:18	LB134807
CCV26	Mercury	4.86	5.0	97	90 - 110	CV	02/26/2025	11:48	LB134807
CCV27	Mercury	4.78	5.0	96	90 - 110	CV	02/26/2025	12:30	LB134807
CCV28	Mercury	4.73	5.0	95	90 - 110	CV	02/26/2025	12:46	LB134807

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1415

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

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	2480	2500	99	90 - 110	P	02/26/2025	11:32	LB134813
	Antimony	1060	1000	106	90 - 110	P	02/26/2025	11:32	LB134813
	Arsenic	1090	1000	108	90 - 110	P	02/26/2025	11:32	LB134813
	Barium	524	520	101	90 - 110	P	02/26/2025	11:32	LB134813
	Beryllium	502	510	98	90 - 110	P	02/26/2025	11:32	LB134813
	Cadmium	520	510	102	90 - 110	P	02/26/2025	11:32	LB134813
	Calcium	9690	10000	97	90 - 110	P	02/26/2025	11:32	LB134813
	Chromium	541	520	104	90 - 110	P	02/26/2025	11:32	LB134813
	Cobalt	522	520	100	90 - 110	P	02/26/2025	11:32	LB134813
	Copper	534	510	105	90 - 110	P	02/26/2025	11:32	LB134813
	Iron	9930	10000	99	90 - 110	P	02/26/2025	11:32	LB134813
	Lead	1040	1000	104	90 - 110	P	02/26/2025	11:32	LB134813
	Magnesium	5690	6000	95	90 - 110	P	02/26/2025	11:32	LB134813
	Manganese	487	520	94	90 - 110	P	02/26/2025	11:32	LB134813
	Nickel	523	530	99	90 - 110	P	02/26/2025	11:32	LB134813
	Potassium	9870	9900	100	90 - 110	P	02/26/2025	11:32	LB134813
	Selenium	1080	1000	108	90 - 110	P	02/26/2025	11:32	LB134813
	Silver	261	250	104	90 - 110	P	02/26/2025	11:32	LB134813
	Sodium	9500	10000	95	90 - 110	P	02/26/2025	11:32	LB134813
	Thallium	1090	1000	109	90 - 110	P	02/26/2025	11:32	LB134813
	Vanadium	508	500	102	90 - 110	P	02/26/2025	11:32	LB134813
	Zinc	1050	1000	105	90 - 110	P	02/26/2025	11:32	LB134813

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	97.4	100	97	80 - 120	P	02/26/2025	11:37	LB134813
	Antimony	51.5	50.0	103	80 - 120	P	02/26/2025	11:37	LB134813
	Arsenic	20.1	20.0	101	80 - 120	P	02/26/2025	11:37	LB134813
	Barium	88.2	100	88	80 - 120	P	02/26/2025	11:37	LB134813
	Beryllium	6.02	6.0	100	80 - 120	P	02/26/2025	11:37	LB134813
	Cadmium	5.91	6.0	98	80 - 120	P	02/26/2025	11:37	LB134813
	Calcium	1880	2000	94	80 - 120	P	02/26/2025	11:37	LB134813
	Chromium	10.0	10.0	100	80 - 120	P	02/26/2025	11:37	LB134813
	Cobalt	28.9	30.0	96	80 - 120	P	02/26/2025	11:37	LB134813
	Copper	21.3	20.0	107	80 - 120	P	02/26/2025	11:37	LB134813
	Iron	90.4	100	90	80 - 120	P	02/26/2025	11:37	LB134813
	Lead	12.8	12.0	107	80 - 120	P	02/26/2025	11:37	LB134813
	Magnesium	2010	2000	101	80 - 120	P	02/26/2025	11:37	LB134813
	Manganese	19.6	20.0	98	80 - 120	P	02/26/2025	11:37	LB134813
	Nickel	38.8	40.0	97	80 - 120	P	02/26/2025	11:37	LB134813
	Potassium	1850	2000	92	80 - 120	P	02/26/2025	11:37	LB134813
	Selenium	19.6	20.0	98	80 - 120	P	02/26/2025	11:37	LB134813
	Silver	10.4	10.0	104	80 - 120	P	02/26/2025	11:37	LB134813
	Sodium	1720	2000	86	80 - 120	P	02/26/2025	11:37	LB134813
	Thallium	37.4	40.0	93	80 - 120	P	02/26/2025	11:37	LB134813
	Vanadium	36.8	40.0	92	80 - 120	P	02/26/2025	11:37	LB134813
	Zinc	41.7	40.0	104	80 - 120	P	02/26/2025	11:37	LB134813

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	9640	10000	96	90 - 110	P	02/26/2025	11:59	LB134813
	Antimony	5000	5000	100	90 - 110	P	02/26/2025	11:59	LB134813
	Arsenic	4990	5000	100	90 - 110	P	02/26/2025	11:59	LB134813
	Barium	9460	10000	95	90 - 110	P	02/26/2025	11:59	LB134813
	Beryllium	248	250	99	90 - 110	P	02/26/2025	11:59	LB134813
	Cadmium	2460	2500	98	90 - 110	P	02/26/2025	11:59	LB134813
	Calcium	23800	25000	95	90 - 110	P	02/26/2025	11:59	LB134813
	Chromium	1000	1000	100	90 - 110	P	02/26/2025	11:59	LB134813
	Cobalt	2450	2500	98	90 - 110	P	02/26/2025	11:59	LB134813
	Copper	1250	1250	100	90 - 110	P	02/26/2025	11:59	LB134813
	Iron	4740	5000	95	90 - 110	P	02/26/2025	11:59	LB134813
	Lead	4940	5000	99	90 - 110	P	02/26/2025	11:59	LB134813
	Magnesium	23900	25000	96	90 - 110	P	02/26/2025	11:59	LB134813
	Manganese	2340	2500	94	90 - 110	P	02/26/2025	11:59	LB134813
	Nickel	2460	2500	98	90 - 110	P	02/26/2025	11:59	LB134813
	Potassium	24000	25000	96	90 - 110	P	02/26/2025	11:59	LB134813
	Selenium	5020	5000	100	90 - 110	P	02/26/2025	11:59	LB134813
	Silver	1240	1250	100	90 - 110	P	02/26/2025	11:59	LB134813
	Sodium	23600	25000	94	90 - 110	P	02/26/2025	11:59	LB134813
	Thallium	5180	5000	104	90 - 110	P	02/26/2025	11:59	LB134813
	Vanadium	2390	2500	96	90 - 110	P	02/26/2025	11:59	LB134813
	Zinc	2500	2500	100	90 - 110	P	02/26/2025	11:59	LB134813
CCV02	Aluminum	9630	10000	96	90 - 110	P	02/26/2025	13:11	LB134813
	Antimony	4900	5000	98	90 - 110	P	02/26/2025	13:11	LB134813
	Arsenic	4830	5000	97	90 - 110	P	02/26/2025	13:11	LB134813
	Barium	9290	10000	93	90 - 110	P	02/26/2025	13:11	LB134813
	Beryllium	239	250	96	90 - 110	P	02/26/2025	13:11	LB134813
	Cadmium	2360	2500	94	90 - 110	P	02/26/2025	13:11	LB134813
	Calcium	23300	25000	93	90 - 110	P	02/26/2025	13:11	LB134813
	Chromium	980	1000	98	90 - 110	P	02/26/2025	13:11	LB134813
	Cobalt	2380	2500	95	90 - 110	P	02/26/2025	13:11	LB134813
	Copper	1220	1250	98	90 - 110	P	02/26/2025	13:11	LB134813
	Iron	5130	5000	102	90 - 110	P	02/26/2025	13:11	LB134813
	Lead	4770	5000	95	90 - 110	P	02/26/2025	13:11	LB134813

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	23000	25000	92	90 - 110	P	02/26/2025	13:11	LB134813
	Manganese	2260	2500	90	90 - 110	P	02/26/2025	13:11	LB134813
	Nickel	2360	2500	94	90 - 110	P	02/26/2025	13:11	LB134813
	Potassium	23400	25000	94	90 - 110	P	02/26/2025	13:11	LB134813
	Selenium	4830	5000	97	90 - 110	P	02/26/2025	13:11	LB134813
	Silver	1210	1250	97	90 - 110	P	02/26/2025	13:11	LB134813
	Sodium	22800	25000	91	90 - 110	P	02/26/2025	13:11	LB134813
	Thallium	4830	5000	97	90 - 110	P	02/26/2025	13:11	LB134813
	Vanadium	2350	2500	94	90 - 110	P	02/26/2025	13:11	LB134813
	Zinc	2430	2500	97	90 - 110	P	02/26/2025	13:11	LB134813
CCV03	Aluminum	9830	10000	98	90 - 110	P	02/26/2025	14:03	LB134813
	Antimony	5090	5000	102	90 - 110	P	02/26/2025	14:03	LB134813
	Arsenic	5040	5000	101	90 - 110	P	02/26/2025	14:03	LB134813
	Barium	9420	10000	94	90 - 110	P	02/26/2025	14:03	LB134813
	Beryllium	233	250	93	90 - 110	P	02/26/2025	14:03	LB134813
	Cadmium	2430	2500	97	90 - 110	P	02/26/2025	14:03	LB134813
	Calcium	23600	25000	95	90 - 110	P	02/26/2025	14:03	LB134813
	Chromium	1000	1000	100	90 - 110	P	02/26/2025	14:03	LB134813
	Cobalt	2440	2500	98	90 - 110	P	02/26/2025	14:03	LB134813
	Copper	1250	1250	100	90 - 110	P	02/26/2025	14:03	LB134813
	Iron	4950	5000	99	90 - 110	P	02/26/2025	14:03	LB134813
	Lead	4900	5000	98	90 - 110	P	02/26/2025	14:03	LB134813
	Magnesium	23600	25000	94	90 - 110	P	02/26/2025	14:03	LB134813
	Manganese	2320	2500	93	90 - 110	P	02/26/2025	14:03	LB134813
	Nickel	2430	2500	97	90 - 110	P	02/26/2025	14:03	LB134813
	Potassium	24900	25000	100	90 - 110	P	02/26/2025	14:03	LB134813
	Selenium	5070	5000	101	90 - 110	P	02/26/2025	14:03	LB134813
	Silver	1240	1250	99	90 - 110	P	02/26/2025	14:03	LB134813
	Sodium	24300	25000	97	90 - 110	P	02/26/2025	14:03	LB134813
	Thallium	5120	5000	102	90 - 110	P	02/26/2025	14:03	LB134813
	Vanadium	2410	2500	96	90 - 110	P	02/26/2025	14:03	LB134813
	Zinc	2510	2500	100	90 - 110	P	02/26/2025	14:03	LB134813
CCV04	Aluminum	9480	10000	95	90 - 110	P	02/26/2025	15:39	LB134813
	Antimony	5000	5000	100	90 - 110	P	02/26/2025	15:39	LB134813

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	4950	5000	99	90 - 110	P	02/26/2025	15:39	LB134813
	Barium	9110	10000	91	90 - 110	P	02/26/2025	15:39	LB134813
	Beryllium	241	250	96	90 - 110	P	02/26/2025	15:39	LB134813
	Cadmium	2420	2500	97	90 - 110	P	02/26/2025	15:39	LB134813
	Calcium	23100	25000	92	90 - 110	P	02/26/2025	15:39	LB134813
	Chromium	996	1000	100	90 - 110	P	02/26/2025	15:39	LB134813
	Cobalt	2430	2500	97	90 - 110	P	02/26/2025	15:39	LB134813
	Copper	1250	1250	100	90 - 110	P	02/26/2025	15:39	LB134813
	Iron	4650	5000	93	90 - 110	P	02/26/2025	15:39	LB134813
	Lead	4880	5000	98	90 - 110	P	02/26/2025	15:39	LB134813
	Magnesium	23200	25000	93	90 - 110	P	02/26/2025	15:39	LB134813
	Manganese	2250	2500	90	90 - 110	P	02/26/2025	15:39	LB134813
	Nickel	2410	2500	97	90 - 110	P	02/26/2025	15:39	LB134813
	Potassium	23400	25000	94	90 - 110	P	02/26/2025	15:39	LB134813
	Selenium	4940	5000	99	90 - 110	P	02/26/2025	15:39	LB134813
	Silver	1230	1250	98	90 - 110	P	02/26/2025	15:39	LB134813
	Sodium	22900	25000	92	90 - 110	P	02/26/2025	15:39	LB134813
	Thallium	4910	5000	98	90 - 110	P	02/26/2025	15:39	LB134813
	Vanadium	2340	2500	94	90 - 110	P	02/26/2025	15:39	LB134813
	Zinc	2430	2500	97	90 - 110	P	02/26/2025	15:39	LB134813

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
 Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
 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	2550	2500	102	90 - 110	P	03/07/2025	10:08	LB134952
	Antimony	1030	1000	103	90 - 110	P	03/07/2025	10:08	LB134952
	Arsenic	1060	1000	106	90 - 110	P	03/07/2025	10:08	LB134952
	Barium	512	520	98	90 - 110	P	03/07/2025	10:08	LB134952
	Beryllium	534	510	105	90 - 110	P	03/07/2025	10:08	LB134952
	Cadmium	501	510	98	90 - 110	P	03/07/2025	10:08	LB134952
	Calcium	9630	10000	96	90 - 110	P	03/07/2025	10:08	LB134952
	Chromium	544	520	105	90 - 110	P	03/07/2025	10:08	LB134952
	Cobalt	508	520	98	90 - 110	P	03/07/2025	10:08	LB134952
	Copper	531	510	104	90 - 110	P	03/07/2025	10:08	LB134952
	Iron	9840	10000	98	90 - 110	P	03/07/2025	10:08	LB134952
	Lead	1010	1000	101	90 - 110	P	03/07/2025	10:08	LB134952
	Magnesium	5710	6000	95	90 - 110	P	03/07/2025	10:08	LB134952
	Manganese	488	520	94	90 - 110	P	03/07/2025	10:08	LB134952
	Nickel	509	530	96	90 - 110	P	03/07/2025	10:08	LB134952
	Potassium	9660	9900	98	90 - 110	P	03/07/2025	10:08	LB134952
	Selenium	1050	1000	105	90 - 110	P	03/07/2025	10:08	LB134952
	Silver	257	250	103	90 - 110	P	03/07/2025	10:08	LB134952
	Sodium	9480	10000	95	90 - 110	P	03/07/2025	10:08	LB134952
	Thallium	1050	1000	105	90 - 110	P	03/07/2025	10:08	LB134952
	Vanadium	509	500	102	90 - 110	P	03/07/2025	10:08	LB134952
	Zinc	1040	1000	104	90 - 110	P	03/07/2025	10:08	LB134952

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	102	100	102	80 - 120	P	03/07/2025	10:13	LB134952
	Antimony	50.7	50.0	102	80 - 120	P	03/07/2025	10:13	LB134952
	Arsenic	21.2	20.0	106	80 - 120	P	03/07/2025	10:13	LB134952
	Barium	90.8	100	91	80 - 120	P	03/07/2025	10:13	LB134952
	Beryllium	5.68	6.0	95	80 - 120	P	03/07/2025	10:13	LB134952
	Cadmium	5.85	6.0	98	80 - 120	P	03/07/2025	10:13	LB134952
	Calcium	1930	2000	96	80 - 120	P	03/07/2025	10:13	LB134952
	Chromium	10.6	10.0	106	80 - 120	P	03/07/2025	10:13	LB134952
	Cobalt	29.3	30.0	98	80 - 120	P	03/07/2025	10:13	LB134952
	Copper	22.8	20.0	114	80 - 120	P	03/07/2025	10:13	LB134952
	Iron	93.5	100	94	80 - 120	P	03/07/2025	10:13	LB134952
	Lead	11.3	12.0	94	80 - 120	P	03/07/2025	10:13	LB134952
	Magnesium	2040	2000	102	80 - 120	P	03/07/2025	10:13	LB134952
	Manganese	18.9	20.0	94	80 - 120	P	03/07/2025	10:13	LB134952
	Nickel	39.3	40.0	98	80 - 120	P	03/07/2025	10:13	LB134952
	Potassium	1890	2000	94	80 - 120	P	03/07/2025	10:13	LB134952
	Selenium	21.8	20.0	109	80 - 120	P	03/07/2025	10:13	LB134952
	Silver	11.0	10.0	110	80 - 120	P	03/07/2025	10:13	LB134952
	Sodium	1840	2000	92	80 - 120	P	03/07/2025	10:13	LB134952
	Thallium	40.1	40.0	100	80 - 120	P	03/07/2025	10:13	LB134952
	Vanadium	37.4	40.0	93	80 - 120	P	03/07/2025	10:13	LB134952
	Zinc	42.4	40.0	106	80 - 120	P	03/07/2025	10:13	LB134952

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	03/07/2025	10:57	LB134952
	Antimony	5340	5000	107	90 - 110	P	03/07/2025	10:57	LB134952
	Arsenic	5310	5000	106	90 - 110	P	03/07/2025	10:57	LB134952
	Barium	9330	10000	93	90 - 110	P	03/07/2025	10:57	LB134952
	Beryllium	232	250	93	90 - 110	P	03/07/2025	10:57	LB134952
	Cadmium	2460	2500	98	90 - 110	P	03/07/2025	10:57	LB134952
	Calcium	23500	25000	94	90 - 110	P	03/07/2025	10:57	LB134952
	Chromium	1100	1000	110	90 - 110	P	03/07/2025	10:57	LB134952
	Cobalt	2460	2500	98	90 - 110	P	03/07/2025	10:57	LB134952
	Copper	1310	1250	105	90 - 110	P	03/07/2025	10:57	LB134952
	Iron	4960	5000	99	90 - 110	P	03/07/2025	10:57	LB134952
	Lead	5000	5000	100	90 - 110	P	03/07/2025	10:57	LB134952
	Magnesium	23500	25000	94	90 - 110	P	03/07/2025	10:57	LB134952
	Manganese	2250	2500	90	90 - 110	P	03/07/2025	10:57	LB134952
	Nickel	2450	2500	98	90 - 110	P	03/07/2025	10:57	LB134952
	Potassium	25600	25000	102	90 - 110	P	03/07/2025	10:57	LB134952
	Selenium	5190	5000	104	90 - 110	P	03/07/2025	10:57	LB134952
	Silver	1280	1250	102	90 - 110	P	03/07/2025	10:57	LB134952
	Sodium	26200	25000	105	90 - 110	P	03/07/2025	10:57	LB134952
	Thallium	5100	5000	102	90 - 110	P	03/07/2025	10:57	LB134952
	Vanadium	2410	2500	96	90 - 110	P	03/07/2025	10:57	LB134952
	Zinc	2600	2500	104	90 - 110	P	03/07/2025	10:57	LB134952
CCV02	Aluminum	9500	10000	95	90 - 110	P	03/07/2025	11:59	LB134952
	Antimony	5110	5000	102	90 - 110	P	03/07/2025	11:59	LB134952
	Arsenic	5140	5000	103	90 - 110	P	03/07/2025	11:59	LB134952
	Barium	10300	10000	103	90 - 110	P	03/07/2025	11:59	LB134952
	Beryllium	230	250	92	90 - 110	P	03/07/2025	11:59	LB134952
	Cadmium	2400	2500	96	90 - 110	P	03/07/2025	11:59	LB134952
	Calcium	26300	25000	105	90 - 110	P	03/07/2025	11:59	LB134952
	Chromium	1070	1000	107	90 - 110	P	03/07/2025	11:59	LB134952
	Cobalt	2390	2500	96	90 - 110	P	03/07/2025	11:59	LB134952
	Copper	1270	1250	102	90 - 110	P	03/07/2025	11:59	LB134952
	Iron	4730	5000	95	90 - 110	P	03/07/2025	11:59	LB134952
	Lead	4870	5000	98	90 - 110	P	03/07/2025	11:59	LB134952

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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	22700	25000	91	90 - 110	P	03/07/2025	11:59	LB134952
	Manganese	2610	2500	104	90 - 110	P	03/07/2025	11:59	LB134952
	Nickel	2380	2500	95	90 - 110	P	03/07/2025	11:59	LB134952
	Potassium	24700	25000	99	90 - 110	P	03/07/2025	11:59	LB134952
	Selenium	5050	5000	101	90 - 110	P	03/07/2025	11:59	LB134952
	Silver	1240	1250	100	90 - 110	P	03/07/2025	11:59	LB134952
	Sodium	24900	25000	100	90 - 110	P	03/07/2025	11:59	LB134952
	Thallium	5010	5000	100	90 - 110	P	03/07/2025	11:59	LB134952
	Vanadium	2290	2500	91	90 - 110	P	03/07/2025	11:59	LB134952
	Zinc	2520	2500	101	90 - 110	P	03/07/2025	11:59	LB134952

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1415

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

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	2500	2500	100	95 - 105	P	03/10/2025	11:48	LB134965
	Antimony	1010	1000	100	95 - 105	P	03/10/2025	11:48	LB134965
	Arsenic	1030	1000	103	95 - 105	P	03/10/2025	11:48	LB134965
	Barium	537	520	103	95 - 105	P	03/10/2025	11:48	LB134965
	Beryllium	517	510	101	95 - 105	P	03/10/2025	11:48	LB134965
	Cadmium	503	510	99	95 - 105	P	03/10/2025	11:48	LB134965
	Calcium	9910	10000	99	95 - 105	P	03/10/2025	11:48	LB134965
	Chromium	531	520	102	95 - 105	P	03/10/2025	11:48	LB134965
	Cobalt	510	520	98	95 - 105	P	03/10/2025	11:48	LB134965
	Copper	524	510	103	95 - 105	P	03/10/2025	11:48	LB134965
	Iron	10400	10000	104	95 - 105	P	03/10/2025	11:48	LB134965
	Lead	1010	1000	101	95 - 105	P	03/10/2025	11:48	LB134965
	Magnesium	5800	6000	97	95 - 105	P	03/10/2025	11:48	LB134965
	Manganese	503	520	97	95 - 105	P	03/10/2025	11:48	LB134965
	Nickel	513	530	97	95 - 105	P	03/10/2025	11:48	LB134965
	Potassium	10200	9900	103	95 - 105	P	03/10/2025	11:48	LB134965
	Selenium	1040	1000	104	95 - 105	P	03/10/2025	11:48	LB134965
	Silver	257	250	103	95 - 105	P	03/10/2025	11:48	LB134965
	Sodium	9760	10000	98	95 - 105	P	03/10/2025	11:48	LB134965
	Thallium	1040	1000	104	95 - 105	P	03/10/2025	11:48	LB134965
	Vanadium	513	500	103	95 - 105	P	03/10/2025	11:48	LB134965
	Zinc	1040	1000	104	95 - 105	P	03/10/2025	11:48	LB134965

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	103	100	103	80 - 120	P	03/10/2025	11:52	LB134965
	Antimony	49.7	50.0	99	80 - 120	P	03/10/2025	11:52	LB134965
	Arsenic	17.9	20.0	90	80 - 120	P	03/10/2025	11:52	LB134965
	Barium	90.3	100	90	80 - 120	P	03/10/2025	11:52	LB134965
	Beryllium	5.54	6.0	92	80 - 120	P	03/10/2025	11:52	LB134965
	Cadmium	5.56	6.0	93	80 - 120	P	03/10/2025	11:52	LB134965
	Calcium	1900	2000	95	80 - 120	P	03/10/2025	11:52	LB134965
	Chromium	9.58	10.0	96	80 - 120	P	03/10/2025	11:52	LB134965
	Cobalt	28.0	30.0	93	80 - 120	P	03/10/2025	11:52	LB134965
	Copper	21.2	20.0	106	80 - 120	P	03/10/2025	11:52	LB134965
	Iron	108	100	108	80 - 120	P	03/10/2025	11:52	LB134965
	Lead	11.7	12.0	97	80 - 120	P	03/10/2025	11:52	LB134965
	Magnesium	1970	2000	99	80 - 120	P	03/10/2025	11:52	LB134965
	Manganese	19.2	20.0	96	80 - 120	P	03/10/2025	11:52	LB134965
	Nickel	37.4	40.0	93	80 - 120	P	03/10/2025	11:52	LB134965
	Potassium	1930	2000	97	80 - 120	P	03/10/2025	11:52	LB134965
	Selenium	18.2	20.0	91	80 - 120	P	03/10/2025	11:52	LB134965
	Silver	9.78	10.0	98	80 - 120	P	03/10/2025	11:52	LB134965
	Sodium	1800	2000	90	80 - 120	P	03/10/2025	11:52	LB134965
	Thallium	40.0	40.0	100	80 - 120	P	03/10/2025	11:52	LB134965
	Vanadium	35.7	40.0	89	80 - 120	P	03/10/2025	11:52	LB134965
	Zinc	40.5	40.0	101	80 - 120	P	03/10/2025	11:52	LB134965

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	9760	10000	98	90 - 110	P	03/10/2025	12:27	LB134965
	Antimony	5060	5000	101	90 - 110	P	03/10/2025	12:27	LB134965
	Arsenic	4990	5000	100	90 - 110	P	03/10/2025	12:27	LB134965
	Barium	9500	10000	95	90 - 110	P	03/10/2025	12:27	LB134965
	Beryllium	247	250	99	90 - 110	P	03/10/2025	12:27	LB134965
	Cadmium	2440	2500	97	90 - 110	P	03/10/2025	12:27	LB134965
	Calcium	26100	25000	104	90 - 110	P	03/10/2025	12:27	LB134965
	Chromium	1000	1000	100	90 - 110	P	03/10/2025	12:27	LB134965
	Cobalt	2430	2500	97	90 - 110	P	03/10/2025	12:27	LB134965
	Copper	1240	1250	99	90 - 110	P	03/10/2025	12:27	LB134965
	Iron	4820	5000	96	90 - 110	P	03/10/2025	12:27	LB134965
	Lead	4900	5000	98	90 - 110	P	03/10/2025	12:27	LB134965
	Magnesium	25900	25000	104	90 - 110	P	03/10/2025	12:27	LB134965
	Manganese	2620	2500	105	90 - 110	P	03/10/2025	12:27	LB134965
	Nickel	2440	2500	98	90 - 110	P	03/10/2025	12:27	LB134965
	Potassium	24200	25000	97	90 - 110	P	03/10/2025	12:27	LB134965
	Selenium	5030	5000	101	90 - 110	P	03/10/2025	12:27	LB134965
	Silver	1220	1250	98	90 - 110	P	03/10/2025	12:27	LB134965
	Sodium	24100	25000	96	90 - 110	P	03/10/2025	12:27	LB134965
	Thallium	4960	5000	99	90 - 110	P	03/10/2025	12:27	LB134965
	Vanadium	2410	2500	96	90 - 110	P	03/10/2025	12:27	LB134965
	Zinc	2470	2500	99	90 - 110	P	03/10/2025	12:27	LB134965
CCV02	Aluminum	9920	10000	99	90 - 110	P	03/10/2025	13:21	LB134965
	Antimony	5190	5000	104	90 - 110	P	03/10/2025	13:21	LB134965
	Arsenic	5090	5000	102	90 - 110	P	03/10/2025	13:21	LB134965
	Barium	10200	10000	102	90 - 110	P	03/10/2025	13:21	LB134965
	Beryllium	231	250	93	90 - 110	P	03/10/2025	13:21	LB134965
	Cadmium	2470	2500	99	90 - 110	P	03/10/2025	13:21	LB134965
	Calcium	24300	25000	97	90 - 110	P	03/10/2025	13:21	LB134965
	Chromium	1000	1000	100	90 - 110	P	03/10/2025	13:21	LB134965
	Cobalt	2480	2500	99	90 - 110	P	03/10/2025	13:21	LB134965
	Copper	1270	1250	102	90 - 110	P	03/10/2025	13:21	LB134965
	Iron	5220	5000	104	90 - 110	P	03/10/2025	13:21	LB134965
	Lead	4950	5000	99	90 - 110	P	03/10/2025	13:21	LB134965

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	24000	25000	96	90 - 110	P	03/10/2025	13:21	LB134965
	Manganese	2420	2500	97	90 - 110	P	03/10/2025	13:21	LB134965
	Nickel	2490	2500	100	90 - 110	P	03/10/2025	13:21	LB134965
	Potassium	26700	25000	107	90 - 110	P	03/10/2025	13:21	LB134965
	Selenium	5150	5000	103	90 - 110	P	03/10/2025	13:21	LB134965
	Silver	1260	1250	101	90 - 110	P	03/10/2025	13:21	LB134965
	Sodium	26400	25000	106	90 - 110	P	03/10/2025	13:21	LB134965
	Thallium	5050	5000	101	90 - 110	P	03/10/2025	13:21	LB134965
	Vanadium	2470	2500	99	90 - 110	P	03/10/2025	13:21	LB134965
	Zinc	2550	2500	102	90 - 110	P	03/10/2025	13:21	LB134965
CCV03	Aluminum	10000	10000	100	90 - 110	P	03/10/2025	14:11	LB134965
	Antimony	5250	5000	105	90 - 110	P	03/10/2025	14:11	LB134965
	Arsenic	5180	5000	104	90 - 110	P	03/10/2025	14:11	LB134965
	Barium	10200	10000	102	90 - 110	P	03/10/2025	14:11	LB134965
	Beryllium	239	250	96	90 - 110	P	03/10/2025	14:11	LB134965
	Cadmium	2500	2500	100	90 - 110	P	03/10/2025	14:11	LB134965
	Calcium	24500	25000	98	90 - 110	P	03/10/2025	14:11	LB134965
	Chromium	1000	1000	100	90 - 110	P	03/10/2025	14:11	LB134965
	Cobalt	2510	2500	100	90 - 110	P	03/10/2025	14:11	LB134965
	Copper	1300	1250	104	90 - 110	P	03/10/2025	14:11	LB134965
	Iron	5200	5000	104	90 - 110	P	03/10/2025	14:11	LB134965
	Lead	5010	5000	100	90 - 110	P	03/10/2025	14:11	LB134965
	Magnesium	24300	25000	97	90 - 110	P	03/10/2025	14:11	LB134965
	Manganese	2420	2500	97	90 - 110	P	03/10/2025	14:11	LB134965
	Nickel	2520	2500	101	90 - 110	P	03/10/2025	14:11	LB134965
	Potassium	26600	25000	106	90 - 110	P	03/10/2025	14:11	LB134965
	Selenium	5240	5000	105	90 - 110	P	03/10/2025	14:11	LB134965
	Silver	1280	1250	102	90 - 110	P	03/10/2025	14:11	LB134965
	Sodium	25900	25000	104	90 - 110	P	03/10/2025	14:11	LB134965
	Thallium	5010	5000	100	90 - 110	P	03/10/2025	14:11	LB134965
CCV04	Vanadium	2500	2500	100	90 - 110	P	03/10/2025	14:11	LB134965
	Zinc	2590	2500	104	90 - 110	P	03/10/2025	14:11	LB134965
	Aluminum	9730	10000	97	90 - 110	P	03/10/2025	15:01	LB134965
	Antimony	5120	5000	102	90 - 110	P	03/10/2025	15:01	LB134965

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	03/10/2025	15:01	LB134965
	Barium	9950	10000	100	90 - 110	P	03/10/2025	15:01	LB134965
	Beryllium	226	250	90	90 - 110	P	03/10/2025	15:01	LB134965
	Cadmium	2420	2500	97	90 - 110	P	03/10/2025	15:01	LB134965
	Calcium	24000	25000	96	90 - 110	P	03/10/2025	15:01	LB134965
	Chromium	993	1000	99	90 - 110	P	03/10/2025	15:01	LB134965
	Cobalt	2440	2500	98	90 - 110	P	03/10/2025	15:01	LB134965
	Copper	1250	1250	100	90 - 110	P	03/10/2025	15:01	LB134965
	Iron	5240	5000	105	90 - 110	P	03/10/2025	15:01	LB134965
	Lead	4860	5000	97	90 - 110	P	03/10/2025	15:01	LB134965
	Magnesium	23700	25000	95	90 - 110	P	03/10/2025	15:01	LB134965
	Manganese	2360	2500	94	90 - 110	P	03/10/2025	15:01	LB134965
	Nickel	2440	2500	98	90 - 110	P	03/10/2025	15:01	LB134965
	Potassium	26800	25000	107	90 - 110	P	03/10/2025	15:01	LB134965
	Selenium	5050	5000	101	90 - 110	P	03/10/2025	15:01	LB134965
	Silver	1250	1250	100	90 - 110	P	03/10/2025	15:01	LB134965
	Sodium	26100	25000	104	90 - 110	P	03/10/2025	15:01	LB134965
	Thallium	4780	5000	96	90 - 110	P	03/10/2025	15:01	LB134965
	Vanadium	2450	2500	98	90 - 110	P	03/10/2025	15:01	LB134965
	Zinc	2510	2500	100	90 - 110	P	03/10/2025	15:01	LB134965
CCV05	Aluminum	9800	10000	98	90 - 110	P	03/10/2025	15:51	LB134965
	Antimony	5090	5000	102	90 - 110	P	03/10/2025	15:51	LB134965
	Arsenic	5000	5000	100	90 - 110	P	03/10/2025	15:51	LB134965
	Barium	9730	10000	97	90 - 110	P	03/10/2025	15:51	LB134965
	Beryllium	239	250	96	90 - 110	P	03/10/2025	15:51	LB134965
	Cadmium	2420	2500	97	90 - 110	P	03/10/2025	15:51	LB134965
	Calcium	23800	25000	95	90 - 110	P	03/10/2025	15:51	LB134965
	Chromium	983	1000	98	90 - 110	P	03/10/2025	15:51	LB134965
	Cobalt	2440	2500	98	90 - 110	P	03/10/2025	15:51	LB134965
	Copper	1250	1250	100	90 - 110	P	03/10/2025	15:51	LB134965
	Iron	4890	5000	98	90 - 110	P	03/10/2025	15:51	LB134965
	Lead	4850	5000	97	90 - 110	P	03/10/2025	15:51	LB134965
	Magnesium	24000	25000	96	90 - 110	P	03/10/2025	15:51	LB134965
	Manganese	2360	2500	94	90 - 110	P	03/10/2025	15:51	LB134965

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	2450	2500	98	90 - 110	P	03/10/2025	15:51	LB134965
	Potassium	25000	25000	100	90 - 110	P	03/10/2025	15:51	LB134965
	Selenium	5020	5000	100	90 - 110	P	03/10/2025	15:51	LB134965
	Silver	1250	1250	100	90 - 110	P	03/10/2025	15:51	LB134965
	Sodium	24100	25000	96	90 - 110	P	03/10/2025	15:51	LB134965
	Thallium	4850	5000	97	90 - 110	P	03/10/2025	15:51	LB134965
	Vanadium	2450	2500	98	90 - 110	P	03/10/2025	15:51	LB134965
	Zinc	2500	2500	100	90 - 110	P	03/10/2025	15:51	LB134965
CCV06	Aluminum	9600	10000	96	90 - 110	P	03/10/2025	16:48	LB134965
	Antimony	5090	5000	102	90 - 110	P	03/10/2025	16:48	LB134965
	Arsenic	4980	5000	100	90 - 110	P	03/10/2025	16:48	LB134965
	Barium	9720	10000	97	90 - 110	P	03/10/2025	16:48	LB134965
	Beryllium	268	250	107	90 - 110	P	03/10/2025	16:48	LB134965
	Cadmium	2410	2500	96	90 - 110	P	03/10/2025	16:48	LB134965
	Calcium	23700	25000	95	90 - 110	P	03/10/2025	16:48	LB134965
	Chromium	977	1000	98	90 - 110	P	03/10/2025	16:48	LB134965
	Cobalt	2430	2500	97	90 - 110	P	03/10/2025	16:48	LB134965
	Copper	1250	1250	100	90 - 110	P	03/10/2025	16:48	LB134965
	Iron	5100	5000	102	90 - 110	P	03/10/2025	16:48	LB134965
	Lead	4830	5000	96	90 - 110	P	03/10/2025	16:48	LB134965
	Magnesium	23600	25000	94	90 - 110	P	03/10/2025	16:48	LB134965
	Manganese	2680	2500	107	90 - 110	P	03/10/2025	16:48	LB134965
	Nickel	2440	2500	97	90 - 110	P	03/10/2025	16:48	LB134965
	Potassium	26100	25000	104	90 - 110	P	03/10/2025	16:48	LB134965
	Selenium	5020	5000	100	90 - 110	P	03/10/2025	16:48	LB134965
	Silver	1240	1250	100	90 - 110	P	03/10/2025	16:48	LB134965
	Sodium	24900	25000	100	90 - 110	P	03/10/2025	16:48	LB134965
	Thallium	4890	5000	98	90 - 110	P	03/10/2025	16:48	LB134965
	Vanadium	2420	2500	97	90 - 110	P	03/10/2025	16:48	LB134965
	Zinc	2500	2500	100	90 - 110	P	03/10/2025	16:48	LB134965
CCV07	Aluminum	9380	10000	94	90 - 110	P	03/10/2025	17:39	LB134965
	Antimony	5010	5000	100	90 - 110	P	03/10/2025	17:39	LB134965
	Arsenic	4890	5000	98	90 - 110	P	03/10/2025	17:39	LB134965
	Barium	9380	10000	94	90 - 110	P	03/10/2025	17:39	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	259	250	104	90 - 110	P	03/10/2025	17:39	LB134965
	Cadmium	2350	2500	94	90 - 110	P	03/10/2025	17:39	LB134965
	Calcium	22900	25000	92	90 - 110	P	03/10/2025	17:39	LB134965
	Chromium	942	1000	94	90 - 110	P	03/10/2025	17:39	LB134965
	Cobalt	2370	2500	95	90 - 110	P	03/10/2025	17:39	LB134965
	Copper	1220	1250	98	90 - 110	P	03/10/2025	17:39	LB134965
	Iron	4820	5000	96	90 - 110	P	03/10/2025	17:39	LB134965
	Lead	4710	5000	94	90 - 110	P	03/10/2025	17:39	LB134965
	Magnesium	23000	25000	92	90 - 110	P	03/10/2025	17:39	LB134965
	Manganese	2580	2500	103	90 - 110	P	03/10/2025	17:39	LB134965
	Nickel	2380	2500	95	90 - 110	P	03/10/2025	17:39	LB134965
	Potassium	24600	25000	98	90 - 110	P	03/10/2025	17:39	LB134965
	Selenium	4950	5000	99	90 - 110	P	03/10/2025	17:39	LB134965
	Silver	1190	1250	95	90 - 110	P	03/10/2025	17:39	LB134965
	Sodium	23300	25000	93	90 - 110	P	03/10/2025	17:39	LB134965
	Thallium	4820	5000	96	90 - 110	P	03/10/2025	17:39	LB134965
	Vanadium	2350	2500	94	90 - 110	P	03/10/2025	17:39	LB134965
	Zinc	2410	2500	96	90 - 110	P	03/10/2025	17:39	LB134965
CCV08	Aluminum	9210	10000	92	90 - 110	P	03/10/2025	18:29	LB134965
	Antimony	4880	5000	98	90 - 110	P	03/10/2025	18:29	LB134965
	Arsenic	4780	5000	96	90 - 110	P	03/10/2025	18:29	LB134965
	Barium	9560	10000	96	90 - 110	P	03/10/2025	18:29	LB134965
	Beryllium	259	250	103	90 - 110	P	03/10/2025	18:29	LB134965
	Cadmium	2320	2500	93	90 - 110	P	03/10/2025	18:29	LB134965
	Calcium	22900	25000	92	90 - 110	P	03/10/2025	18:29	LB134965
	Chromium	933	1000	93	90 - 110	P	03/10/2025	18:29	LB134965
	Cobalt	2340	2500	94	90 - 110	P	03/10/2025	18:29	LB134965
	Copper	1200	1250	96	90 - 110	P	03/10/2025	18:29	LB134965
	Iron	4930	5000	99	90 - 110	P	03/10/2025	18:29	LB134965
	Lead	4630	5000	93	90 - 110	P	03/10/2025	18:29	LB134965
	Magnesium	22900	25000	92	90 - 110	P	03/10/2025	18:29	LB134965
	Manganese	2610	2500	104	90 - 110	P	03/10/2025	18:29	LB134965
	Nickel	2350	2500	94	90 - 110	P	03/10/2025	18:29	LB134965
	Potassium	25100	25000	100	90 - 110	P	03/10/2025	18:29	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415

Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4800	5000	96	90 - 110	P	03/10/2025	18:29	LB134965
	Silver	1200	1250	96	90 - 110	P	03/10/2025	18:29	LB134965
	Sodium	23800	25000	95	90 - 110	P	03/10/2025	18:29	LB134965
	Thallium	4760	5000	95	90 - 110	P	03/10/2025	18:29	LB134965
	Vanadium	2330	2500	93	90 - 110	P	03/10/2025	18:29	LB134965
	Zinc	2410	2500	96	90 - 110	P	03/10/2025	18:29	LB134965
CCV09	Aluminum	9210	10000	92	90 - 110	P	03/10/2025	18:46	LB134965
	Antimony	4910	5000	98	90 - 110	P	03/10/2025	18:46	LB134965
	Arsenic	4800	5000	96	90 - 110	P	03/10/2025	18:46	LB134965
	Barium	9700	10000	97	90 - 110	P	03/10/2025	18:46	LB134965
	Beryllium	253	250	101	90 - 110	P	03/10/2025	18:46	LB134965
	Cadmium	2320	2500	93	90 - 110	P	03/10/2025	18:46	LB134965
	Calcium	22900	25000	92	90 - 110	P	03/10/2025	18:46	LB134965
	Chromium	923	1000	92	90 - 110	P	03/10/2025	18:46	LB134965
	Cobalt	2340	2500	94	90 - 110	P	03/10/2025	18:46	LB134965
	Copper	1210	1250	97	90 - 110	P	03/10/2025	18:46	LB134965
	Iron	4910	5000	98	90 - 110	P	03/10/2025	18:46	LB134965
	Lead	4630	5000	93	90 - 110	P	03/10/2025	18:46	LB134965
	Magnesium	22700	25000	91	90 - 110	P	03/10/2025	18:46	LB134965
	Manganese	2540	2500	102	90 - 110	P	03/10/2025	18:46	LB134965
	Nickel	2350	2500	94	90 - 110	P	03/10/2025	18:46	LB134965
	Potassium	25300	25000	101	90 - 110	P	03/10/2025	18:46	LB134965
	Selenium	4840	5000	97	90 - 110	P	03/10/2025	18:46	LB134965
	Silver	1180	1250	95	90 - 110	P	03/10/2025	18:46	LB134965
	Sodium	24000	25000	96	90 - 110	P	03/10/2025	18:46	LB134965
	Thallium	4750	5000	95	90 - 110	P	03/10/2025	18:46	LB134965
	Vanadium	2340	2500	94	90 - 110	P	03/10/2025	18:46	LB134965
	Zinc	2360	2500	94	90 - 110	P	03/10/2025	18:46	LB134965

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	2550	2500	102	95 - 105	P	03/11/2025	10:50	LB134987
	Antimony	1010	1000	101	95 - 105	P	03/11/2025	10:50	LB134987
	Arsenic	1040	1000	104	95 - 105	P	03/11/2025	10:50	LB134987
	Barium	543	520	104	95 - 105	P	03/11/2025	10:50	LB134987
	Beryllium	507	510	99	95 - 105	P	03/11/2025	10:50	LB134987
	Cadmium	511	510	100	95 - 105	P	03/11/2025	10:50	LB134987
	Calcium	10000	10000	100	95 - 105	P	03/11/2025	10:50	LB134987
	Chromium	527	520	101	95 - 105	P	03/11/2025	10:50	LB134987
	Cobalt	520	520	100	95 - 105	P	03/11/2025	10:50	LB134987
	Copper	532	510	104	95 - 105	P	03/11/2025	10:50	LB134987
	Iron	10200	10000	102	95 - 105	P	03/11/2025	10:50	LB134987
	Lead	1020	1000	102	95 - 105	P	03/11/2025	10:50	LB134987
	Magnesium	5970	6000	100	95 - 105	P	03/11/2025	10:50	LB134987
	Manganese	515	520	99	95 - 105	P	03/11/2025	10:50	LB134987
	Nickel	517	530	98	95 - 105	P	03/11/2025	10:50	LB134987
	Potassium	9820	9900	99	95 - 105	P	03/11/2025	10:50	LB134987
	Selenium	1040	1000	104	95 - 105	P	03/11/2025	10:50	LB134987
	Silver	259	250	104	95 - 105	P	03/11/2025	10:50	LB134987
	Sodium	9690	10000	97	95 - 105	P	03/11/2025	10:50	LB134987
	Thallium	1030	1000	103	95 - 105	P	03/11/2025	10:50	LB134987
	Vanadium	524	500	105	95 - 105	P	03/11/2025	10:50	LB134987
	Zinc	1040	1000	104	95 - 105	P	03/11/2025	10:50	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	102	100	102	80 - 120	P	03/11/2025	10:54	LB134987
	Antimony	53.0	50.0	106	80 - 120	P	03/11/2025	10:54	LB134987
	Arsenic	21.2	20.0	106	80 - 120	P	03/11/2025	10:54	LB134987
	Barium	94.6	100	95	80 - 120	P	03/11/2025	10:54	LB134987
	Beryllium	6.23	6.0	104	80 - 120	P	03/11/2025	10:54	LB134987
	Cadmium	5.80	6.0	97	80 - 120	P	03/11/2025	10:54	LB134987
	Calcium	2010	2000	100	80 - 120	P	03/11/2025	10:54	LB134987
	Chromium	10.2	10.0	102	80 - 120	P	03/11/2025	10:54	LB134987
	Cobalt	29.3	30.0	98	80 - 120	P	03/11/2025	10:54	LB134987
	Copper	22.1	20.0	110	80 - 120	P	03/11/2025	10:54	LB134987
	Iron	93.9	100	94	80 - 120	P	03/11/2025	10:54	LB134987
	Lead	12.0	12.0	100	80 - 120	P	03/11/2025	10:54	LB134987
	Magnesium	2130	2000	107	80 - 120	P	03/11/2025	10:54	LB134987
	Manganese	21.2	20.0	106	80 - 120	P	03/11/2025	10:54	LB134987
	Nickel	38.4	40.0	96	80 - 120	P	03/11/2025	10:54	LB134987
	Potassium	1780	2000	89	80 - 120	P	03/11/2025	10:54	LB134987
	Selenium	20.5	20.0	102	80 - 120	P	03/11/2025	10:54	LB134987
	Silver	10.4	10.0	104	80 - 120	P	03/11/2025	10:54	LB134987
	Sodium	1850	2000	92	80 - 120	P	03/11/2025	10:54	LB134987
	Thallium	40.9	40.0	102	80 - 120	P	03/11/2025	10:54	LB134987
	Vanadium	39.7	40.0	99	80 - 120	P	03/11/2025	10:54	LB134987
	Zinc	33.7	40.0	84	80 - 120	P	03/11/2025	10:54	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	10000	10000	100	90 - 110	P	03/11/2025	11:29	LB134987
	Antimony	5040	5000	101	90 - 110	P	03/11/2025	11:29	LB134987
	Arsenic	5010	5000	100	90 - 110	P	03/11/2025	11:29	LB134987
	Barium	10200	10000	102	90 - 110	P	03/11/2025	11:29	LB134987
	Beryllium	253	250	101	90 - 110	P	03/11/2025	11:29	LB134987
	Cadmium	2520	2500	101	90 - 110	P	03/11/2025	11:29	LB134987
	Calcium	25200	25000	101	90 - 110	P	03/11/2025	11:29	LB134987
	Chromium	1010	1000	101	90 - 110	P	03/11/2025	11:29	LB134987
	Cobalt	2520	2500	101	90 - 110	P	03/11/2025	11:29	LB134987
	Copper	1280	1250	102	90 - 110	P	03/11/2025	11:29	LB134987
	Iron	5080	5000	102	90 - 110	P	03/11/2025	11:29	LB134987
	Lead	5030	5000	101	90 - 110	P	03/11/2025	11:29	LB134987
	Magnesium	25200	25000	101	90 - 110	P	03/11/2025	11:29	LB134987
	Manganese	2520	2500	101	90 - 110	P	03/11/2025	11:29	LB134987
	Nickel	2510	2500	100	90 - 110	P	03/11/2025	11:29	LB134987
	Potassium	25100	25000	100	90 - 110	P	03/11/2025	11:29	LB134987
	Selenium	4990	5000	100	90 - 110	P	03/11/2025	11:29	LB134987
	Silver	1270	1250	101	90 - 110	P	03/11/2025	11:29	LB134987
	Sodium	24700	25000	99	90 - 110	P	03/11/2025	11:29	LB134987
	Thallium	5090	5000	102	90 - 110	P	03/11/2025	11:29	LB134987
CCV02	Vanadium	2530	2500	101	90 - 110	P	03/11/2025	11:29	LB134987
	Zinc	2560	2500	102	90 - 110	P	03/11/2025	11:29	LB134987
	Aluminum	10300	10000	103	90 - 110	P	03/11/2025	12:19	LB134987
	Antimony	5160	5000	103	90 - 110	P	03/11/2025	12:19	LB134987
	Arsenic	5150	5000	103	90 - 110	P	03/11/2025	12:19	LB134987
	Barium	9970	10000	100	90 - 110	P	03/11/2025	12:19	LB134987
	Beryllium	269	250	108	90 - 110	P	03/11/2025	12:19	LB134987
	Cadmium	2570	2500	103	90 - 110	P	03/11/2025	12:19	LB134987
	Calcium	25300	25000	101	90 - 110	P	03/11/2025	12:19	LB134987
	Chromium	1040	1000	104	90 - 110	P	03/11/2025	12:19	LB134987
	Cobalt	2570	2500	103	90 - 110	P	03/11/2025	12:19	LB134987
	Copper	1300	1250	104	90 - 110	P	03/11/2025	12:19	LB134987
	Iron	4920	5000	98	90 - 110	P	03/11/2025	12:19	LB134987
	Lead	5120	5000	102	90 - 110	P	03/11/2025	12:19	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
 Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
 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	25400	25000	102	90 - 110	P	03/11/2025	12:19	LB134987
	Manganese	2570	2500	103	90 - 110	P	03/11/2025	12:19	LB134987
	Nickel	2550	2500	102	90 - 110	P	03/11/2025	12:19	LB134987
	Potassium	24500	25000	98	90 - 110	P	03/11/2025	12:19	LB134987
	Selenium	5170	5000	103	90 - 110	P	03/11/2025	12:19	LB134987
	Silver	1300	1250	104	90 - 110	P	03/11/2025	12:19	LB134987
	Sodium	25000	25000	100	90 - 110	P	03/11/2025	12:19	LB134987
	Thallium	5220	5000	104	90 - 110	P	03/11/2025	12:19	LB134987
	Vanadium	2540	2500	102	90 - 110	P	03/11/2025	12:19	LB134987
	Zinc	2620	2500	105	90 - 110	P	03/11/2025	12:19	LB134987
CCV03	Aluminum	9640	10000	96	90 - 110	P	03/11/2025	13:10	LB134987
	Antimony	4890	5000	98	90 - 110	P	03/11/2025	13:10	LB134987
	Arsenic	4860	5000	97	90 - 110	P	03/11/2025	13:10	LB134987
	Barium	9710	10000	97	90 - 110	P	03/11/2025	13:10	LB134987
	Beryllium	251	250	100	90 - 110	P	03/11/2025	13:10	LB134987
	Cadmium	2430	2500	97	90 - 110	P	03/11/2025	13:10	LB134987
	Calcium	23800	25000	95	90 - 110	P	03/11/2025	13:10	LB134987
	Chromium	964	1000	96	90 - 110	P	03/11/2025	13:10	LB134987
	Cobalt	2440	2500	98	90 - 110	P	03/11/2025	13:10	LB134987
	Copper	1250	1250	100	90 - 110	P	03/11/2025	13:10	LB134987
	Iron	4750	5000	95	90 - 110	P	03/11/2025	13:10	LB134987
	Lead	4830	5000	97	90 - 110	P	03/11/2025	13:10	LB134987
	Magnesium	23800	25000	95	90 - 110	P	03/11/2025	13:10	LB134987
	Manganese	2410	2500	96	90 - 110	P	03/11/2025	13:10	LB134987
	Nickel	2410	2500	96	90 - 110	P	03/11/2025	13:10	LB134987
	Potassium	23700	25000	95	90 - 110	P	03/11/2025	13:10	LB134987
	Selenium	4840	5000	97	90 - 110	P	03/11/2025	13:10	LB134987
	Silver	1230	1250	98	90 - 110	P	03/11/2025	13:10	LB134987
	Sodium	23200	25000	93	90 - 110	P	03/11/2025	13:10	LB134987
	Thallium	4890	5000	98	90 - 110	P	03/11/2025	13:10	LB134987
CCV04	Vanadium	2420	2500	97	90 - 110	P	03/11/2025	13:10	LB134987
	Zinc	2480	2500	99	90 - 110	P	03/11/2025	13:10	LB134987
	Aluminum	9730	10000	97	90 - 110	P	03/11/2025	14:08	LB134987
	Antimony	4950	5000	99	90 - 110	P	03/11/2025	14:08	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4940	5000	99	90 - 110	P	03/11/2025	14:08	LB134987
	Barium	10100	10000	101	90 - 110	P	03/11/2025	14:08	LB134987
	Beryllium	248	250	99	90 - 110	P	03/11/2025	14:08	LB134987
	Cadmium	2470	2500	99	90 - 110	P	03/11/2025	14:08	LB134987
	Calcium	24100	25000	96	90 - 110	P	03/11/2025	14:08	LB134987
	Chromium	965	1000	96	90 - 110	P	03/11/2025	14:08	LB134987
	Cobalt	2480	2500	99	90 - 110	P	03/11/2025	14:08	LB134987
	Copper	1260	1250	101	90 - 110	P	03/11/2025	14:08	LB134987
	Iron	4970	5000	100	90 - 110	P	03/11/2025	14:08	LB134987
	Lead	4880	5000	98	90 - 110	P	03/11/2025	14:08	LB134987
	Magnesium	24200	25000	97	90 - 110	P	03/11/2025	14:08	LB134987
	Manganese	2450	2500	98	90 - 110	P	03/11/2025	14:08	LB134987
	Nickel	2430	2500	97	90 - 110	P	03/11/2025	14:08	LB134987
	Potassium	24900	25000	100	90 - 110	P	03/11/2025	14:08	LB134987
	Selenium	4920	5000	98	90 - 110	P	03/11/2025	14:08	LB134987
	Silver	1240	1250	100	90 - 110	P	03/11/2025	14:08	LB134987
	Sodium	23900	25000	96	90 - 110	P	03/11/2025	14:08	LB134987
	Thallium	5060	5000	101	90 - 110	P	03/11/2025	14:08	LB134987
	Vanadium	2460	2500	99	90 - 110	P	03/11/2025	14:08	LB134987
	Zinc	2530	2500	101	90 - 110	P	03/11/2025	14:08	LB134987
CCV05	Aluminum	9370	10000	94	90 - 110	P	03/11/2025	15:00	LB134987
	Antimony	4830	5000	97	90 - 110	P	03/11/2025	15:00	LB134987
	Arsenic	4810	5000	96	90 - 110	P	03/11/2025	15:00	LB134987
	Barium	9610	10000	96	90 - 110	P	03/11/2025	15:00	LB134987
	Beryllium	237	250	95	90 - 110	P	03/11/2025	15:00	LB134987
	Cadmium	2400	2500	96	90 - 110	P	03/11/2025	15:00	LB134987
	Calcium	23000	25000	92	90 - 110	P	03/11/2025	15:00	LB134987
	Chromium	934	1000	93	90 - 110	P	03/11/2025	15:00	LB134987
	Cobalt	2420	2500	97	90 - 110	P	03/11/2025	15:00	LB134987
	Copper	1240	1250	99	90 - 110	P	03/11/2025	15:00	LB134987
	Iron	4750	5000	95	90 - 110	P	03/11/2025	15:00	LB134987
	Lead	4760	5000	95	90 - 110	P	03/11/2025	15:00	LB134987
	Magnesium	23200	25000	93	90 - 110	P	03/11/2025	15:00	LB134987
	Manganese	2370	2500	95	90 - 110	P	03/11/2025	15:00	LB134987

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: Q1415
Contract: PORT06 Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415
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	2360	2500	94	90 - 110	P	03/11/2025	15:00	LB134987
	Potassium	24000	25000	96	90 - 110	P	03/11/2025	15:00	LB134987
	Selenium	4790	5000	96	90 - 110	P	03/11/2025	15:00	LB134987
	Silver	1190	1250	96	90 - 110	P	03/11/2025	15:00	LB134987
	Sodium	23000	25000	92	90 - 110	P	03/11/2025	15:00	LB134987
	Thallium	4860	5000	97	90 - 110	P	03/11/2025	15:00	LB134987
	Vanadium	2370	2500	95	90 - 110	P	03/11/2025	15:00	LB134987
	Zinc	2430	2500	97	90 - 110	P	03/11/2025	15:00	LB134987
CCV06	Aluminum	9590	10000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Antimony	4830	5000	97	90 - 110	P	03/11/2025	15:50	LB134987
	Arsenic	4820	5000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Barium	9620	10000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Beryllium	254	250	101	90 - 110	P	03/11/2025	15:50	LB134987
	Cadmium	2430	2500	97	90 - 110	P	03/11/2025	15:50	LB134987
	Calcium	23500	25000	94	90 - 110	P	03/11/2025	15:50	LB134987
	Chromium	956	1000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Cobalt	2440	2500	98	90 - 110	P	03/11/2025	15:50	LB134987
	Copper	1240	1250	99	90 - 110	P	03/11/2025	15:50	LB134987
	Iron	4680	5000	94	90 - 110	P	03/11/2025	15:50	LB134987
	Lead	4800	5000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Magnesium	23700	25000	95	90 - 110	P	03/11/2025	15:50	LB134987
	Manganese	2420	2500	97	90 - 110	P	03/11/2025	15:50	LB134987
	Nickel	2390	2500	95	90 - 110	P	03/11/2025	15:50	LB134987
	Potassium	23500	25000	94	90 - 110	P	03/11/2025	15:50	LB134987
	Selenium	4770	5000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Silver	1230	1250	98	90 - 110	P	03/11/2025	15:50	LB134987
	Sodium	22800	25000	91	90 - 110	P	03/11/2025	15:50	LB134987
	Thallium	4880	5000	98	90 - 110	P	03/11/2025	15:50	LB134987
	Vanadium	2410	2500	96	90 - 110	P	03/11/2025	15:50	LB134987
	Zinc	2490	2500	100	90 - 110	P	03/11/2025	15:50	LB134987

Metals

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.16	0.2	82	40 - 160	CV	02/26/2025	08:52	LB134804
CRA	Mercury	0.17	0.2	86	40 - 160	CV	02/26/2025	11:22	LB134807
CRI01	Aluminum	98.4	100	98	40 - 160	P	02/26/2025	11:45	LB134813
	Antimony	52.2	50.0	104	40 - 160	P	02/26/2025	11:45	LB134813
	Arsenic	22.2	20.0	111	40 - 160	P	02/26/2025	11:45	LB134813
	Barium	87.7	100	88	40 - 160	P	02/26/2025	11:45	LB134813
	Beryllium	6.08	6.0	101	40 - 160	P	02/26/2025	11:45	LB134813
	Cadmium	6.00	6.0	100	40 - 160	P	02/26/2025	11:45	LB134813
	Calcium	1890	2000	94	40 - 160	P	02/26/2025	11:45	LB134813
	Chromium	9.73	10.0	97	40 - 160	P	02/26/2025	11:45	LB134813
	Cobalt	28.8	30.0	96	40 - 160	P	02/26/2025	11:45	LB134813
	Copper	21.2	20.0	106	40 - 160	P	02/26/2025	11:45	LB134813
	Iron	90.4	100	90	40 - 160	P	02/26/2025	11:45	LB134813
	Lead	12.3	12.0	102	40 - 160	P	02/26/2025	11:45	LB134813
	Magnesium	2000	2000	100	40 - 160	P	02/26/2025	11:45	LB134813
	Manganese	19.1	20.0	95	40 - 160	P	02/26/2025	11:45	LB134813
	Nickel	38.6	40.0	97	40 - 160	P	02/26/2025	11:45	LB134813
	Potassium	1820	2000	91	40 - 160	P	02/26/2025	11:45	LB134813
	Selenium	20.8	20.0	104	40 - 160	P	02/26/2025	11:45	LB134813
	Silver	10.5	10.0	105	40 - 160	P	02/26/2025	11:45	LB134813
	Sodium	1700	2000	85	40 - 160	P	02/26/2025	11:45	LB134813
	Thallium	36.0	40.0	90	40 - 160	P	02/26/2025	11:45	LB134813
	Vanadium	37.0	40.0	92	40 - 160	P	02/26/2025	11:45	LB134813
	Zinc	41.7	40.0	104	40 - 160	P	02/26/2025	11:45	LB134813
CRI01	Aluminum	98.9	100	99	40 - 160	P	03/07/2025	10:24	LB134952
	Antimony	52.3	50.0	104	40 - 160	P	03/07/2025	10:24	LB134952
	Arsenic	19.9	20.0	100	40 - 160	P	03/07/2025	10:24	LB134952
	Barium	88.5	100	88	40 - 160	P	03/07/2025	10:24	LB134952
	Beryllium	5.72	6.0	95	40 - 160	P	03/07/2025	10:24	LB134952
	Cadmium	5.71	6.0	95	40 - 160	P	03/07/2025	10:24	LB134952
	Calcium	1900	2000	95	40 - 160	P	03/07/2025	10:24	LB134952
	Chromium	10.6	10.0	106	40 - 160	P	03/07/2025	10:24	LB134952
	Cobalt	28.9	30.0	96	40 - 160	P	03/07/2025	10:24	LB134952
	Copper	22.7	20.0	114	40 - 160	P	03/07/2025	10:24	LB134952
	Iron	91.1	100	91	40 - 160	P	03/07/2025	10:24	LB134952

Metals
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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1415

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

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	Lead	11.3	12.0	94	40 - 160	P	03/07/2025	10:24	LB134952
	Magnesium	2020	2000	101	40 - 160	P	03/07/2025	10:24	LB134952
	Manganese	18.7	20.0	93	40 - 160	P	03/07/2025	10:24	LB134952
	Nickel	38.6	40.0	96	40 - 160	P	03/07/2025	10:24	LB134952
	Potassium	1780	2000	89	40 - 160	P	03/07/2025	10:24	LB134952
	Selenium	21.0	20.0	105	40 - 160	P	03/07/2025	10:24	LB134952
	Silver	11.0	10.0	110	40 - 160	P	03/07/2025	10:24	LB134952
	Sodium	1760	2000	88	40 - 160	P	03/07/2025	10:24	LB134952
	Thallium	41.0	40.0	102	40 - 160	P	03/07/2025	10:24	LB134952
	Vanadium	40.2	40.0	101	40 - 160	P	03/07/2025	10:24	LB134952
	Zinc	41.1	40.0	103	40 - 160	P	03/07/2025	10:24	LB134952
CRI01	Aluminum	98.3	100	98	40 - 160	P	03/10/2025	12:01	LB134965
	Antimony	49.7	50.0	100	40 - 160	P	03/10/2025	12:01	LB134965
	Arsenic	18.2	20.0	91	40 - 160	P	03/10/2025	12:01	LB134965
	Barium	90.9	100	91	40 - 160	P	03/10/2025	12:01	LB134965
	Beryllium	5.47	6.0	91	40 - 160	P	03/10/2025	12:01	LB134965
	Cadmium	5.67	6.0	94	40 - 160	P	03/10/2025	12:01	LB134965
	Calcium	1900	2000	95	40 - 160	P	03/10/2025	12:01	LB134965
	Chromium	10.4	10.0	104	40 - 160	P	03/10/2025	12:01	LB134965
	Cobalt	28.3	30.0	94	40 - 160	P	03/10/2025	12:01	LB134965
	Copper	21.4	20.0	107	40 - 160	P	03/10/2025	12:01	LB134965
	Iron	111	100	111	40 - 160	P	03/10/2025	12:01	LB134965
	Lead	12.0	12.0	100	40 - 160	P	03/10/2025	12:01	LB134965
	Magnesium	1980	2000	99	40 - 160	P	03/10/2025	12:01	LB134965
	Manganese	19.3	20.0	96	40 - 160	P	03/10/2025	12:01	LB134965
	Nickel	37.9	40.0	95	40 - 160	P	03/10/2025	12:01	LB134965
	Potassium	1950	2000	97	40 - 160	P	03/10/2025	12:01	LB134965
	Selenium	21.0	20.0	105	40 - 160	P	03/10/2025	12:01	LB134965
	Silver	10.2	10.0	102	40 - 160	P	03/10/2025	12:01	LB134965
	Sodium	1810	2000	91	40 - 160	P	03/10/2025	12:01	LB134965
	Thallium	39.5	40.0	99	40 - 160	P	03/10/2025	12:01	LB134965
	Vanadium	36.7	40.0	92	40 - 160	P	03/10/2025	12:01	LB134965
	Zinc	41.3	40.0	103	40 - 160	P	03/10/2025	12:01	LB134965
CRI01	Aluminum	99.1	100	99	40 - 160	P	03/11/2025	11:02	LB134987
	Antimony	52.5	50.0	105	40 - 160	P	03/11/2025	11:02	LB134987
	Arsenic	19.0	20.0	95	40 - 160	P	03/11/2025	11:02	LB134987
	Barium	95.1	100	95	40 - 160	P	03/11/2025	11:02	LB134987
	Beryllium	5.91	6.0	98	40 - 160	P	03/11/2025	11:02	LB134987

Metals

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1415

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

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	Cadmium	5.81	6.0	97	40 - 160	P	03/11/2025	11:02	LB134987
	Calcium	2000	2000	100	40 - 160	P	03/11/2025	11:02	LB134987
	Chromium	9.83	10.0	98	40 - 160	P	03/11/2025	11:02	LB134987
	Cobalt	29.2	30.0	97	40 - 160	P	03/11/2025	11:02	LB134987
	Copper	22.1	20.0	110	40 - 160	P	03/11/2025	11:02	LB134987
	Iron	89.9	100	90	40 - 160	P	03/11/2025	11:02	LB134987
	Lead	11.9	12.0	99	40 - 160	P	03/11/2025	11:02	LB134987
	Magnesium	2130	2000	106	40 - 160	P	03/11/2025	11:02	LB134987
	Manganese	21.6	20.0	108	40 - 160	P	03/11/2025	11:02	LB134987
	Nickel	38.2	40.0	96	40 - 160	P	03/11/2025	11:02	LB134987
	Potassium	1860	2000	93	40 - 160	P	03/11/2025	11:02	LB134987
	Selenium	21.9	20.0	110	40 - 160	P	03/11/2025	11:02	LB134987
	Silver	10.3	10.0	103	40 - 160	P	03/11/2025	11:02	LB134987
	Sodium	1940	2000	97	40 - 160	P	03/11/2025	11:02	LB134987
	Thallium	41.5	40.0	104	40 - 160	P	03/11/2025	11:02	LB134987
	Vanadium	39.1	40.0	98	40 - 160	P	03/11/2025	11:02	LB134987
	Zinc	33.2	40.0	83	40 - 160	P	03/11/2025	11:02	LB134987

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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	238000	255000	93	216000	294000	02/26/2025	11:50	LB134813
	Antimony	-0.14			-50	50	02/26/2025	11:50	LB134813
	Arsenic	3.32			-20	20	02/26/2025	11:50	LB134813
	Barium	1.39	6.0	23	-94	106	02/26/2025	11:50	LB134813
	Beryllium	1.56			-6	6	02/26/2025	11:50	LB134813
	Cadmium	0.23	1.0	22	-5	7	02/26/2025	11:50	LB134813
	Calcium	223000	245000	91	208000	282000	02/26/2025	11:50	LB134813
	Chromium	57.4	52.0	110	42	62	02/26/2025	11:50	LB134813
	Cobalt	2.01			-30	30	02/26/2025	11:50	LB134813
	Copper	13.8	2.0	690	-18	22	02/26/2025	11:50	LB134813
	Iron	98700	101000	98	85600	116500	02/26/2025	11:50	LB134813
	Lead	7.92			-12	12	02/26/2025	11:50	LB134813
	Magnesium	242000	255000	95	216000	294000	02/26/2025	11:50	LB134813
	Manganese	0.96	7.0	14	-13	27	02/26/2025	11:50	LB134813
	Nickel	1.59	2.0	80	-38	42	02/26/2025	11:50	LB134813
	Potassium	8.26			0	0	02/26/2025	11:50	LB134813
	Selenium	-13.4			-20	20	02/26/2025	11:50	LB134813
	Silver	-0.70			-10	10	02/26/2025	11:50	LB134813
	Sodium	52.6			0	0	02/26/2025	11:50	LB134813
	Thallium	-5.93			-40	40	02/26/2025	11:50	LB134813
	Vanadium	7.83			-40	40	02/26/2025	11:50	LB134813
	Zinc	5.63			-40	40	02/26/2025	11:50	LB134813
ICSAB01	Aluminum	240000	247000	97	209000	285000	02/26/2025	11:54	LB134813
	Antimony	628	618	102	525	711	02/26/2025	11:54	LB134813
	Arsenic	114	104	110	88.4	120	02/26/2025	11:54	LB134813
	Barium	460	537	86	437	637	02/26/2025	11:54	LB134813
	Beryllium	480	495	97	420	570	02/26/2025	11:54	LB134813
	Cadmium	1000	972	103	826	1120	02/26/2025	11:54	LB134813
	Calcium	223000	235000	95	199000	271000	02/26/2025	11:54	LB134813
	Chromium	566	542	104	460	624	02/26/2025	11:54	LB134813
	Cobalt	504	476	106	404	548	02/26/2025	11:54	LB134813
	Copper	501	511	98	434	588	02/26/2025	11:54	LB134813
	Iron	96100	99300	97	84400	114500	02/26/2025	11:54	LB134813
	Lead	55.8	49.0	114	37	61	02/26/2025	11:54	LB134813
	Magnesium	242000	248000	98	210000	286000	02/26/2025	11:54	LB134813
	Manganese	445	507	88	430	584	02/26/2025	11:54	LB134813
	Nickel	993	954	104	810	1100	02/26/2025	11:54	LB134813
	Potassium	2.36			0	0	02/26/2025	11:54	LB134813
	Selenium	37.9	46.0	82	26	66	02/26/2025	11:54	LB134813
	Silver	219	201	109	170	232	02/26/2025	11:54	LB134813
	Sodium	44.2			0	0	02/26/2025	11:54	LB134813
	Thallium	96.0	108	89	68	148	02/26/2025	11:54	LB134813

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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	460	491	94	417	565	02/26/2025	11:54	LB134813
	Zinc	1050	952	110	809	1095	02/26/2025	11:54	LB134813
ICSA01	Aluminum	245000	255000	96	216000	294000	03/07/2025	10:28	LB134952
	Antimony	-4.94			-50	50	03/07/2025	10:28	LB134952
	Arsenic	4.35			-20	20	03/07/2025	10:28	LB134952
	Barium	1.40	6.0	23	-94	106	03/07/2025	10:28	LB134952
	Beryllium	1.23			-6	6	03/07/2025	10:28	LB134952
	Cadmium	-2.65	1.0	265	-5	7	03/07/2025	10:28	LB134952
	Calcium	219000	245000	89	208000	282000	03/07/2025	10:28	LB134952
	Chromium	60.2	52.0	116	42	62	03/07/2025	10:28	LB134952
	Cobalt	2.23			-30	30	03/07/2025	10:28	LB134952
	Copper	17.5	2.0	875	-18	22	03/07/2025	10:28	LB134952
	Iron	97000	101000	96	85600	116500	03/07/2025	10:28	LB134952
	Lead	3.61			-12	12	03/07/2025	10:28	LB134952
	Magnesium	238000	255000	93	216000	294000	03/07/2025	10:28	LB134952
	Manganese	11.2	7.0	160	-13	27	03/07/2025	10:28	LB134952
	Nickel	1.71	2.0	86	-38	42	03/07/2025	10:28	LB134952
	Potassium	-49.0			0	0	03/07/2025	10:28	LB134952
	Selenium	1.45			-20	20	03/07/2025	10:28	LB134952
	Silver	-1.84			-10	10	03/07/2025	10:28	LB134952
	Sodium	2.32			0	0	03/07/2025	10:28	LB134952
	Thallium	6.66			-40	40	03/07/2025	10:28	LB134952
	Vanadium	3.78			-40	40	03/07/2025	10:28	LB134952
	Zinc	4.59			-40	40	03/07/2025	10:28	LB134952
ICSAB01	Aluminum	247000	247000	100	209000	285000	03/07/2025	10:33	LB134952
	Antimony	635	618	103	525	711	03/07/2025	10:33	LB134952
	Arsenic	118	104	114	88.4	120	03/07/2025	10:33	LB134952
	Barium	445	537	83	437	637	03/07/2025	10:33	LB134952
	Beryllium	447	495	90	420	570	03/07/2025	10:33	LB134952
	Cadmium	971	972	100	826	1120	03/07/2025	10:33	LB134952
	Calcium	217000	235000	92	199000	271000	03/07/2025	10:33	LB134952
	Chromium	596	542	110	460	624	03/07/2025	10:33	LB134952
	Cobalt	491	476	103	404	548	03/07/2025	10:33	LB134952
	Copper	518	511	101	434	588	03/07/2025	10:33	LB134952
	Iron	97200	99300	98	84400	114500	03/07/2025	10:33	LB134952
	Lead	50.3	49.0	103	37	61	03/07/2025	10:33	LB134952
	Magnesium	235000	248000	95	210000	286000	03/07/2025	10:33	LB134952
	Manganese	436	507	86	430	584	03/07/2025	10:33	LB134952
	Nickel	964	954	101	810	1100	03/07/2025	10:33	LB134952
	Potassium	-48.8			0	0	03/07/2025	10:33	LB134952
	Selenium	55.9	46.0	122	26	66	03/07/2025	10:33	LB134952
	Silver	215	201	107	170	232	03/07/2025	10:33	LB134952

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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	24.0			0	0	03/07/2025	10:33	LB134952
	Thallium	104	108	96	68	148	03/07/2025	10:33	LB134952
	Vanadium	450	491	92	417	565	03/07/2025	10:33	LB134952
	Zinc	1060	952	111	809	1095	03/07/2025	10:33	LB134952
ICSA	Aluminum	251000	255000	98	216000	294000	03/07/2025	10:37	LB134952
	Antimony	-23.4			-50	50	03/07/2025	10:37	LB134952
	Arsenic	-24.1			-20	20	03/07/2025	10:37	LB134952
	Barium	-54.2	6.0	903	-94	106	03/07/2025	10:37	LB134952
	Beryllium	2.78			-6	6	03/07/2025	10:37	LB134952
	Cadmium	-3.30	1.0	330	-5	7	03/07/2025	10:37	LB134952
	Calcium	234000	245000	96	208000	282000	03/07/2025	10:37	LB134952
	Chromium	62.9	52.0	121	42	62	03/07/2025	10:37	LB134952
	Cobalt	4.81			-30	30	03/07/2025	10:37	LB134952
	Copper	11.4	2.0	570	-18	22	03/07/2025	10:37	LB134952
	Iron	96900	101000	96	85600	116500	03/07/2025	10:37	LB134952
	Lead	-19.7			-12	12	03/07/2025	10:37	LB134952
	Magnesium	242000	255000	95	216000	294000	03/07/2025	10:37	LB134952
	Manganese	3.27	7.0	47	-13	27	03/07/2025	10:37	LB134952
	Nickel	2.56	2.0	128	-38	42	03/07/2025	10:37	LB134952
	Potassium	-2580			0	0	03/07/2025	10:37	LB134952
	Selenium	-13.7			-20	20	03/07/2025	10:37	LB134952
	Silver	11.0			-10	10	03/07/2025	10:37	LB134952
	Sodium	-1280			0	0	03/07/2025	10:37	LB134952
	Thallium	-19.9			-40	40	03/07/2025	10:37	LB134952
	Vanadium	19.8			-40	40	03/07/2025	10:37	LB134952
	Zinc	58.4			-40	40	03/07/2025	10:37	LB134952
ICSAB	Aluminum	244000	247000	99	209000	285000	03/07/2025	10:41	LB134952
	Antimony	599	618	97	525	711	03/07/2025	10:41	LB134952
	Arsenic	73.0	104	70	88.4	120	03/07/2025	10:41	LB134952
	Barium	400	537	74	437	637	03/07/2025	10:41	LB134952
	Beryllium	485	495	98	420	570	03/07/2025	10:41	LB134952
	Cadmium	971	972	100	826	1120	03/07/2025	10:41	LB134952
	Calcium	229000	235000	97	199000	271000	03/07/2025	10:41	LB134952
	Chromium	618	542	114	460	624	03/07/2025	10:41	LB134952
	Cobalt	489	476	103	404	548	03/07/2025	10:41	LB134952
	Copper	545	511	107	434	588	03/07/2025	10:41	LB134952
	Iron	96000	99300	97	84400	114500	03/07/2025	10:41	LB134952
	Lead	41.5	49.0	85	37	61	03/07/2025	10:41	LB134952
	Magnesium	238000	248000	96	210000	286000	03/07/2025	10:41	LB134952
	Manganese	460	507	91	430	584	03/07/2025	10:41	LB134952
	Nickel	977	954	102	810	1100	03/07/2025	10:41	LB134952
	Potassium	-2130			0	0	03/07/2025	10:41	LB134952

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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
ICSAB	Selenium	78.7	46.0	171	26	66	03/07/2025	10:41	LB134952
	Silver	222	201	110	170	232	03/07/2025	10:41	LB134952
	Sodium	-1110			0	0	03/07/2025	10:41	LB134952
	Thallium	100	108	93	68	148	03/07/2025	10:41	LB134952
	Vanadium	489	491	100	417	565	03/07/2025	10:41	LB134952
	Zinc	1050	952	110	809	1095	03/07/2025	10:41	LB134952
ICSA01	Aluminum	249000	255000	98	216000	294000	03/10/2025	12:05	LB134965
	Antimony	-1.69			-50	50	03/10/2025	12:05	LB134965
	Arsenic	3.58			-20	20	03/10/2025	12:05	LB134965
	Barium	1.50	6.0	25	-94	106	03/10/2025	12:05	LB134965
	Beryllium	1.23			-6	6	03/10/2025	12:05	LB134965
	Cadmium	-4.00	1.0	400	-5	7	03/10/2025	12:05	LB134965
	Calcium	230000	245000	94	208000	282000	03/10/2025	12:05	LB134965
	Chromium	59.3	52.0	114	42	62	03/10/2025	12:05	LB134965
	Cobalt	1.96			-30	30	03/10/2025	12:05	LB134965
	Copper	9.85	2.0	492	-18	22	03/10/2025	12:05	LB134965
	Iron	101000	101000	100	85600	116500	03/10/2025	12:05	LB134965
	Lead	6.57			-12	12	03/10/2025	12:05	LB134965
	Magnesium	246000	255000	96	216000	294000	03/10/2025	12:05	LB134965
	Manganese	3.05	7.0	44	-13	27	03/10/2025	12:05	LB134965
	Nickel	2.12	2.0	106	-38	42	03/10/2025	12:05	LB134965
	Potassium	80.0			0	0	03/10/2025	12:05	LB134965
	Selenium	-12.1			-20	20	03/10/2025	12:05	LB134965
	Silver	-0.43			-10	10	03/10/2025	12:05	LB134965
	Sodium	30.5			0	0	03/10/2025	12:05	LB134965
	Thallium	7.69			-40	40	03/10/2025	12:05	LB134965
	Vanadium	4.01			-40	40	03/10/2025	12:05	LB134965
	Zinc	2.96			-40	40	03/10/2025	12:05	LB134965
ICSAB01	Aluminum	248000	247000	100	209000	285000	03/10/2025	12:10	LB134965
	Antimony	630	618	102	525	711	03/10/2025	12:10	LB134965
	Arsenic	110	104	106	88.4	120	03/10/2025	12:10	LB134965
	Barium	483	537	90	437	637	03/10/2025	12:10	LB134965
	Beryllium	489	495	99	420	570	03/10/2025	12:10	LB134965
	Cadmium	1020	972	105	826	1120	03/10/2025	12:10	LB134965
	Calcium	233000	235000	99	199000	271000	03/10/2025	12:10	LB134965
	Chromium	581	542	107	460	624	03/10/2025	12:10	LB134965
	Cobalt	516	476	108	404	548	03/10/2025	12:10	LB134965
	Copper	518	511	101	434	588	03/10/2025	12:10	LB134965
	Iron	102000	99300	103	84400	114500	03/10/2025	12:10	LB134965
	Lead	56.3	49.0	115	37	61	03/10/2025	12:10	LB134965
	Magnesium	250000	248000	101	210000	286000	03/10/2025	12:10	LB134965
	Manganese	475	507	94	430	584	03/10/2025	12:10	LB134965

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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	Nickel	1020	954	107	810	1100	03/10/2025	12:10	LB134965
	Potassium	87.8			0	0	03/10/2025	12:10	LB134965
	Selenium	34.1	46.0	74	26	66	03/10/2025	12:10	LB134965
	Silver	221	201	110	170	232	03/10/2025	12:10	LB134965
	Sodium	58.9			0	0	03/10/2025	12:10	LB134965
	Thallium	108	108	100	68	148	03/10/2025	12:10	LB134965
	Vanadium	471	491	96	417	565	03/10/2025	12:10	LB134965
	Zinc	1070	952	112	809	1095	03/10/2025	12:10	LB134965
ICSA	Aluminum	251000	255000	98	216000	294000	03/10/2025	12:14	LB134965
	Antimony	20.2			-50	50	03/10/2025	12:14	LB134965
	Arsenic	-14.7			-20	20	03/10/2025	12:14	LB134965
	Barium	-43.1	6.0	718	-94	106	03/10/2025	12:14	LB134965
	Beryllium	2.64			-6	6	03/10/2025	12:14	LB134965
	Cadmium	-4.52	1.0	452	-5	7	03/10/2025	12:14	LB134965
	Calcium	247000	245000	101	208000	282000	03/10/2025	12:14	LB134965
	Chromium	70.6	52.0	136	42	62	03/10/2025	12:14	LB134965
	Cobalt	-0.080			-30	30	03/10/2025	12:14	LB134965
	Copper	3.14	2.0	157	-18	22	03/10/2025	12:14	LB134965
	Iron	102000	101000	101	85600	116500	03/10/2025	12:14	LB134965
	Lead	-1.76			-12	12	03/10/2025	12:14	LB134965
	Magnesium	256000	255000	100	216000	294000	03/10/2025	12:14	LB134965
	Manganese	0.42	7.0	6	-13	27	03/10/2025	12:14	LB134965
	Nickel	0.77	2.0	38	-38	42	03/10/2025	12:14	LB134965
	Potassium	574			0	0	03/10/2025	12:14	LB134965
	Selenium	12.6			-20	20	03/10/2025	12:14	LB134965
	Silver	-0.060			-10	10	03/10/2025	12:14	LB134965
	Sodium	-62.5			0	0	03/10/2025	12:14	LB134965
	Thallium	21.0			-40	40	03/10/2025	12:14	LB134965
	Vanadium	-1.84			-40	40	03/10/2025	12:14	LB134965
	Zinc	49.6			-40	40	03/10/2025	12:14	LB134965
ICSAB	Aluminum	248000	247000	100	209000	285000	03/10/2025	12:18	LB134965
	Antimony	618	618	100	525	711	03/10/2025	12:18	LB134965
	Arsenic	78.1	104	75	88.4	120	03/10/2025	12:18	LB134965
	Barium	450	537	84	437	637	03/10/2025	12:18	LB134965
	Beryllium	509	495	103	420	570	03/10/2025	12:18	LB134965
	Cadmium	1010	972	104	826	1120	03/10/2025	12:18	LB134965
	Calcium	245000	235000	104	199000	271000	03/10/2025	12:18	LB134965
	Chromium	600	542	111	460	624	03/10/2025	12:18	LB134965
	Cobalt	508	476	107	404	548	03/10/2025	12:18	LB134965
	Copper	531	511	104	434	588	03/10/2025	12:18	LB134965
	Iron	103000	99300	104	84400	114500	03/10/2025	12:18	LB134965
	Lead	48.2	49.0	98	37	61	03/10/2025	12:18	LB134965

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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
ICSAB	Magnesium	253000	248000	102	210000	286000	03/10/2025	12:18	LB134965
	Manganese	505	507	100	430	584	03/10/2025	12:18	LB134965
	Nickel	1020	954	107	810	1100	03/10/2025	12:18	LB134965
	Potassium	795			0	0	03/10/2025	12:18	LB134965
	Selenium	19.5	46.0	42	26	66	03/10/2025	12:18	LB134965
	Silver	211	201	105	170	232	03/10/2025	12:18	LB134965
	Sodium	-210			0	0	03/10/2025	12:18	LB134965
	Thallium	96.1	108	89	68	148	03/10/2025	12:18	LB134965
	Vanadium	478	491	97	417	565	03/10/2025	12:18	LB134965
	Zinc	1060	952	111	809	1095	03/10/2025	12:18	LB134965
ICSA01	Aluminum	248000	255000	97	216000	294000	03/11/2025	11:06	LB134987
	Antimony	-2.80			-50	50	03/11/2025	11:06	LB134987
	Arsenic	6.46			-20	20	03/11/2025	11:06	LB134987
	Barium	5.32	6.0	89	-94	106	03/11/2025	11:06	LB134987
	Beryllium	1.26			-6	6	03/11/2025	11:06	LB134987
	Cadmium	-2.31	1.0	231	-5	7	03/11/2025	11:06	LB134987
	Calcium	237000	245000	97	208000	282000	03/11/2025	11:06	LB134987
	Chromium	58.2	52.0	112	42	62	03/11/2025	11:06	LB134987
	Cobalt	1.96			-30	30	03/11/2025	11:06	LB134987
	Copper	6.76	2.0	338	-18	22	03/11/2025	11:06	LB134987
	Iron	102000	101000	101	85600	116500	03/11/2025	11:06	LB134987
	Lead	3.81			-12	12	03/11/2025	11:06	LB134987
	Magnesium	258000	255000	101	216000	294000	03/11/2025	11:06	LB134987
	Manganese	5.00	7.0	71	-13	27	03/11/2025	11:06	LB134987
	Nickel	1.76	2.0	88	-38	42	03/11/2025	11:06	LB134987
	Potassium	-40.0			0	0	03/11/2025	11:06	LB134987
	Selenium	-16.3			-20	20	03/11/2025	11:06	LB134987
	Silver	-0.94			-10	10	03/11/2025	11:06	LB134987
	Sodium	60.3			0	0	03/11/2025	11:06	LB134987
	Thallium	9.64			-40	40	03/11/2025	11:06	LB134987
	Vanadium	3.52			-40	40	03/11/2025	11:06	LB134987
	Zinc	-3.79			-40	40	03/11/2025	11:06	LB134987
ICSAB01	Aluminum	249000	247000	101	209000	285000	03/11/2025	11:11	LB134987
	Antimony	612	618	99	525	711	03/11/2025	11:11	LB134987
	Arsenic	114	104	110	88.4	120	03/11/2025	11:11	LB134987
	Barium	487	537	91	437	637	03/11/2025	11:11	LB134987
	Beryllium	521	495	105	420	570	03/11/2025	11:11	LB134987
	Cadmium	1020	972	105	826	1120	03/11/2025	11:11	LB134987
	Calcium	235000	235000	100	199000	271000	03/11/2025	11:11	LB134987
	Chromium	567	542	105	460	624	03/11/2025	11:11	LB134987
	Cobalt	518	476	109	404	548	03/11/2025	11:11	LB134987
	Copper	507	511	99	434	588	03/11/2025	11:11	LB134987

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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	Iron	97400	99300	98	84400	114500	03/11/2025	11:11	LB134987
	Lead	55.7	49.0	114	37	61	03/11/2025	11:11	LB134987
	Magnesium	256000	248000	103	210000	286000	03/11/2025	11:11	LB134987
	Manganese	489	507	96	430	584	03/11/2025	11:11	LB134987
	Nickel	1020	954	107	810	1100	03/11/2025	11:11	LB134987
	Potassium	-41.6			0	0	03/11/2025	11:11	LB134987
	Selenium	32.4	46.0	70	26	66	03/11/2025	11:11	LB134987
	Silver	220	201	110	170	232	03/11/2025	11:11	LB134987
	Sodium	56.3			0	0	03/11/2025	11:11	LB134987
	Thallium	105	108	97	68	148	03/11/2025	11:11	LB134987
	Vanadium	478	491	97	417	565	03/11/2025	11:11	LB134987
	Zinc	1070	952	112	809	1095	03/11/2025	11:11	LB134987
ICSA	Aluminum	249000	255000	98	216000	294000	03/11/2025	11:15	LB134987
	Antimony	17.0			-50	50	03/11/2025	11:15	LB134987
	Arsenic	-14.8			-20	20	03/11/2025	11:15	LB134987
	Barium	21.6	6.0	360	-94	106	03/11/2025	11:15	LB134987
	Beryllium	0.62			-6	6	03/11/2025	11:15	LB134987
	Cadmium	-2.80	1.0	280	-5	7	03/11/2025	11:15	LB134987
	Calcium	248000	245000	101	208000	282000	03/11/2025	11:15	LB134987
	Chromium	54.3	52.0	104	42	62	03/11/2025	11:15	LB134987
	Cobalt	2.27			-30	30	03/11/2025	11:15	LB134987
	Copper	2.78	2.0	139	-18	22	03/11/2025	11:15	LB134987
	Iron	101000	101000	100	85600	116500	03/11/2025	11:15	LB134987
	Lead	-10.6			-12	12	03/11/2025	11:15	LB134987
	Magnesium	256000	255000	100	216000	294000	03/11/2025	11:15	LB134987
	Manganese	15.2	7.0	217	-13	27	03/11/2025	11:15	LB134987
	Nickel	0.028	2.0	1	-38	42	03/11/2025	11:15	LB134987
	Potassium	-1270			0	0	03/11/2025	11:15	LB134987
	Selenium	11.4			-20	20	03/11/2025	11:15	LB134987
	Silver	-0.14			-10	10	03/11/2025	11:15	LB134987
	Sodium	393			0	0	03/11/2025	11:15	LB134987
	Thallium	-21.7			-40	40	03/11/2025	11:15	LB134987
	Vanadium	-9.26			-40	40	03/11/2025	11:15	LB134987
	Zinc	-177			-40	40	03/11/2025	11:15	LB134987
ICSAB	Aluminum	253000	247000	102	209000	285000	03/11/2025	11:19	LB134987
	Antimony	626	618	101	525	711	03/11/2025	11:19	LB134987
	Arsenic	77.1	104	74	88.4	120	03/11/2025	11:19	LB134987
	Barium	468	537	87	437	637	03/11/2025	11:19	LB134987
	Beryllium	545	495	110	420	570	03/11/2025	11:19	LB134987
	Cadmium	1020	972	105	826	1120	03/11/2025	11:19	LB134987
	Calcium	249000	235000	106	199000	271000	03/11/2025	11:19	LB134987
	Chromium	596	542	110	460	624	03/11/2025	11:19	LB134987

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
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
ICSAB	Cobalt	516	476	108	404	548	03/11/2025	11:19	LB134987
	Copper	543	511	106	434	588	03/11/2025	11:19	LB134987
	Iron	96400	99300	97	84400	114500	03/11/2025	11:19	LB134987
	Lead	71.4	49.0	146	37	61	03/11/2025	11:19	LB134987
	Magnesium	257000	248000	104	210000	286000	03/11/2025	11:19	LB134987
	Manganese	547	507	108	430	584	03/11/2025	11:19	LB134987
	Nickel	1020	954	107	810	1100	03/11/2025	11:19	LB134987
	Potassium	-1050			0	0	03/11/2025	11:19	LB134987
	Selenium	32.7	46.0	71	26	66	03/11/2025	11:19	LB134987
	Silver	214	201	106	170	232	03/11/2025	11:19	LB134987
	Sodium	303			0	0	03/11/2025	11:19	LB134987
	Thallium	82.2	108	76	68	148	03/11/2025	11:19	LB134987
	Vanadium	530	491	108	417	565	03/11/2025	11:19	LB134987
	Zinc	906	952	95	809	1095	03/11/2025	11:19	LB134987



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q1415</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q1415</u> sas no.: <u>Q1415</u>
matrix: <u>Water</u>	sample id: <u>Q1409-01</u>	client id: <u>SURFACE-WATER-1MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q1409-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.72		0.20	U	4.0	93		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q1415</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q1415</u> sas no.: <u>Q1415</u>
matrix: <u>Water</u>	sample id: <u>Q1409-01</u>	client id: <u>SURFACE-WATER-1MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q1409-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.74		0.20	U	4.0	94		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1415

contract: PORT06 **lab code:** CHEM **case no.:** Q1415 **sas no.:** Q1415

matrix: Solid **sample id:** Q1413-01 **client id:** BU-2-022125MS

Percent Solids for Sample: 94.4 **Spiked ID:** Q1413-01MS **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1350		1020		91.7	354		P
Antimony	mg/Kg	75 - 125	22.8		2.26	U	36.7	62	N	P
Arsenic	mg/Kg	75 - 125	33.2		1.26		36.7	87		P
Barium	mg/Kg	75 - 125	13.0		5.31		9.2	84		P
Beryllium	mg/Kg	75 - 125	8.31		0.21	J	9.2	88		P
Cadmium	mg/Kg	75 - 125	8.20		0.27	U	9.2	89		P
Calcium	mg/Kg	75 - 125	3010		1330		45.9	3653		P
Chromium	mg/Kg	75 - 125	24.3		6.38		18.3	98		P
Cobalt	mg/Kg	75 - 125	9.23		0.76	J	9.2	92		P
Copper	mg/Kg	75 - 125	16.8		4.10		13.8	92		P
Iron	mg/Kg	75 - 125	6040		5440		140	431		P
Lead	mg/Kg	75 - 125	47.9		6.42		45.9	90		P
Magnesium	mg/Kg	75 - 125	714		645		91.7	75		P
Manganese	mg/Kg	75 - 125	37.8		27.6		9.2	111		P
Nickel	mg/Kg	75 - 125	22.5		1.62	J	22.9	91		P
Potassium	mg/Kg	75 - 125	805		294		460	111		P
Selenium	mg/Kg	75 - 125	71.6		0.91	U	91.7	78		P
Silver	mg/Kg	75 - 125	3.14		0.45	U	3.4	92		P
Sodium	mg/Kg	75 - 125	253		130		140	88		P
Thallium	mg/Kg	75 - 125	78.1		1.81	U	91.7	85		P
Vanadium	mg/Kg	75 - 125	18.5		6.24		13.8	89		P
Zinc	mg/Kg	75 - 125	17.8		8.39		9.2	102		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Portal Partners Tri-Venture</u>	level:	<u>low</u>	sdg no.:	<u>Q1415</u>
contract:	<u>PORT06</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1415</u>
matrix:	<u>Solid</u>	sample id:	<u>Q1413-01</u>	client id:	<u>BU-2-022125MSD</u>
Percent Solids for Sample:	94.4	Spiked ID:	Q1413-01MSD	Percent Solids for Spike Sample:	94.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1460		1020		99.5	441		P
Antimony	mg/Kg	75 - 125	24.9		2.26	U	39.8	63	N	P
Arsenic	mg/Kg	75 - 125	36.1		1.26		39.8	88		P
Barium	mg/Kg	75 - 125	14.0		5.31		9.9	87		P
Beryllium	mg/Kg	75 - 125	9.15		0.21	J	9.9	90		P
Cadmium	mg/Kg	75 - 125	8.92		0.27	U	9.9	90		P
Calcium	mg/Kg	75 - 125	3220		1330		49.7	3796		P
Chromium	mg/Kg	75 - 125	26.2		6.38		19.9	100		P
Cobalt	mg/Kg	75 - 125	9.96		0.76	J	9.9	93		P
Copper	mg/Kg	75 - 125	18.4		4.10		14.9	96		P
Iron	mg/Kg	75 - 125	6290		5440		150	568		P
Lead	mg/Kg	75 - 125	51.5		6.42		49.7	91		P
Magnesium	mg/Kg	75 - 125	763		645		99.5	119		P
Manganese	mg/Kg	75 - 125	40.2		27.6		9.9	127	N	P
Nickel	mg/Kg	75 - 125	24.3		1.62	J	24.9	91		P
Potassium	mg/Kg	75 - 125	862		294		500	114		P
Selenium	mg/Kg	75 - 125	78.5		0.91	U	99.5	79		P
Silver	mg/Kg	75 - 125	3.34		0.45	U	3.7	90		P
Sodium	mg/Kg	75 - 125	270		130		150	94		P
Thallium	mg/Kg	75 - 125	87.4		1.81	U	99.5	88		P
Vanadium	mg/Kg	75 - 125	19.8		6.24		14.9	91		P
Zinc	mg/Kg	75 - 125	19.5		8.39		9.9	112		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q1415</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q1415</u> sas no.: <u>Q1415</u>
matrix: <u>Water</u>	sample id: <u>Q1415-06</u>	client id: <u>B-173-GW01MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q1415-06MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	45300		42100		2000	161		P
Antimony	ug/L	75 - 125	533		50.0	U	800	67	N	P
Arsenic	ug/L	75 - 125	829		16.1	J	800	102		P
Barium	ug/L	75 - 125	721		508		200	107		P
Beryllium	ug/L	75 - 125	192		3.13	J	200	95		P
Cadmium	ug/L	75 - 125	213		6.00	U	200	106		P
Calcium	ug/L	75 - 125	105000		99700		1000	562		P
Chromium	ug/L	75 - 125	575		187		400	97		P
Cobalt	ug/L	75 - 125	257		40.0		200	109		P
Copper	ug/L	75 - 125	598		290		300	103		P
Iron	ug/L	75 - 125	85200		77800		3000	244		P
Lead	ug/L	75 - 125	1140		116		1000	102		P
Magnesium	ug/L	75 - 125	72500		68300		2000	210		P
Manganese	ug/L	75 - 125	2930		2580		200	174		P
Nickel	ug/L	75 - 125	662		130		500	107		P
Potassium	ug/L	75 - 125	61300		50900		10000	104		P
Selenium	ug/L	75 - 125	1820		20.0	U	2000	91		P
Silver	ug/L	75 - 125	75.2		10.0	U	75.0	100		P
Sodium	ug/L	75 - 125	547000		525000		3000	749		P
Thallium	ug/L	75 - 125	1910		40.0	U	2000	96		P
Vanadium	ug/L	75 - 125	374		96.3		300	93		P
Zinc	ug/L	75 - 125	552		323		200	114		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q1415</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q1415</u> sas no.: <u>Q1415</u>
matrix: <u>Water</u>	sample id: <u>Q1415-06</u>	client id: <u>B-173-GW01MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q1415-06MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	45100		42100		2000	150		P
Antimony	ug/L	75 - 125	529		50.0	U	800	66	N	P
Arsenic	ug/L	75 - 125	819		16.1	J	800	100		P
Barium	ug/L	75 - 125	698		508		200	95		P
Beryllium	ug/L	75 - 125	211		3.13	J	200	104		P
Cadmium	ug/L	75 - 125	214		6.00	U	200	107		P
Calcium	ug/L	75 - 125	105000		99700		1000	537		P
Chromium	ug/L	75 - 125	565		187		400	95		P
Cobalt	ug/L	75 - 125	258		40.0		200	109		P
Copper	ug/L	75 - 125	597		290		300	103		P
Iron	ug/L	75 - 125	77900		77800		3000	3		P
Lead	ug/L	75 - 125	1140		116		1000	103		P
Magnesium	ug/L	75 - 125	73000		68300		2000	234		P
Manganese	ug/L	75 - 125	2910		2580		200	166		P
Nickel	ug/L	75 - 125	662		130		500	106		P
Potassium	ug/L	75 - 125	55300		50900		10000	44		P
Selenium	ug/L	75 - 125	1790		20.0	U	2000	90		P
Silver	ug/L	75 - 125	75.1		10.0	U	75.0	100		P
Sodium	ug/L	75 - 125	508000		525000		3000	-563		P
Thallium	ug/L	75 - 125	1930		40.0	U	2000	96		P
Vanadium	ug/L	75 - 125	372		96.3		300	92		P
Zinc	ug/L	75 - 125	532		323		200	104		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q1415</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q1415</u> sas no.: <u>Q1415</u>
matrix: <u>Solid</u>	sample id: <u>Q1421-01</u>	client id: <u>P001-CLAY-CF01-01MS</u>
Percent Solids for Sample: 70.3	Spiked ID: Q1421-02	Percent Solids for Spike Sample: 70.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.52		0.030		0.4	122	N	CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q1415</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>Q1415</u> sas no.: <u>Q1415</u>
matrix: <u>Solid</u>	sample id: <u>Q1421-01</u>	client id: <u>P001-CLAY-CF01-01MSD</u>
Percent Solids for Sample: 70.3	Spiked ID: Q1421-03	Percent Solids for Spike Sample: 70.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.48		0.030		0.38	117		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Matrix: Solid **Level:** LOW **Client ID:** BU-2-022125A
Sample ID: Q1413-01 **Spiked ID:** Q1413-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	22.9		2.26	U	36.2	63		P
Manganese	mg/Kg	75 - 125	37.1		27.6		9.10	104		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Matrix: Water **Level:** LOW **Client ID:** B-173-GW01A
Sample ID: Q1415-06 **Spiked ID:** Q1415-06A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	522		50.0	U	800	65		P

A
B
C
D
E
F
G
H
I
J

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Matrix: Solid **Level:** LOW **Client ID:** P001-CLAY-CF01-01A
Sample ID: Q1421-01 **Spiked ID:** Q1421-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.47		0.030		0.40	109		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1415</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1415</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q1409-01</u>	Client ID:	<u>SURFACE-WATER-1DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q1409-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1415</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1415</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q1409-01MS</u>	Client ID:	<u>SURFACE-WATER-1MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q1409-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.72		3.74		1		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Matrix: Solid **Sample ID:** Q1413-01 **Client ID:** BU-2-022125DUP
Percent Solids for Sample: 94.4 **Duplicate ID** Q1413-01DUP **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	1020		1060		4		P
Antimony	mg/Kg	20	2.26	U	2.36	U			P
Arsenic	mg/Kg	20	1.26		1.32		5		P
Barium	mg/Kg	20	5.31		5.49		3		P
Beryllium	mg/Kg	20	0.21	J	0.22	J	4		P
Cadmium	mg/Kg	20	0.27	U	0.28	U			P
Calcium	mg/Kg	20	1330		1380		4		P
Chromium	mg/Kg	20	6.38		6.63		4		P
Cobalt	mg/Kg	20	0.76	J	0.79	J	4		P
Copper	mg/Kg	20	4.10		4.23		3		P
Iron	mg/Kg	20	5440		5680		4		P
Lead	mg/Kg	20	6.42		6.65		4		P
Magnesium	mg/Kg	20	645		671		4		P
Manganese	mg/Kg	20	27.6		28.6		4		P
Nickel	mg/Kg	20	1.62	J	1.71	J	5		P
Potassium	mg/Kg	20	294		304		3		P
Selenium	mg/Kg	20	0.91	U	0.95	U			P
Silver	mg/Kg	20	0.45	U	0.47	U			P
Sodium	mg/Kg	20	130		133		2		P
Thallium	mg/Kg	20	1.81	U	1.89	U			P
Vanadium	mg/Kg	20	6.24		6.49		4		P
Zinc	mg/Kg	20	8.39		8.68		3		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Matrix: Solid **Sample ID:** Q1413-01MS **Client ID:** BU-2-022125MSD
Percent Solids for Sample: 94.4 **Duplicate ID** Q1413-01MSD **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	1350		1460		8		P
Antimony	mg/Kg	20	22.8		24.9		9		P
Arsenic	mg/Kg	20	33.2		36.1		8		P
Barium	mg/Kg	20	13.0		14.0		7		P
Beryllium	mg/Kg	20	8.31		9.15		10		P
Cadmium	mg/Kg	20	8.20		8.92		8		P
Calcium	mg/Kg	20	3010		3220		7		P
Chromium	mg/Kg	20	24.3		26.2		8		P
Cobalt	mg/Kg	20	9.23		9.96		8		P
Copper	mg/Kg	20	16.8		18.4		9		P
Iron	mg/Kg	20	6040		6290		4		P
Lead	mg/Kg	20	47.9		51.5		7		P
Magnesium	mg/Kg	20	714		763		7		P
Manganese	mg/Kg	20	37.8		40.2		6		P
Nickel	mg/Kg	20	22.5		24.3		8		P
Potassium	mg/Kg	20	805		862		7		P
Selenium	mg/Kg	20	71.6		78.5		9		P
Silver	mg/Kg	20	3.14		3.34		6		P
Sodium	mg/Kg	20	253		270		7		P
Thallium	mg/Kg	20	78.1		87.4		11		P
Vanadium	mg/Kg	20	18.5		19.8		7		P
Zinc	mg/Kg	20	17.8		19.5		9		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Matrix: Water **Sample ID:** Q1415-06 **Client ID:** B-173-GW01DUP
Percent Solids for Sample: NA **Duplicate ID** Q1415-06DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	42100		38700		8		P
Antimony	ug/L	20	50.0	U	50.0	U			P
Arsenic	ug/L	20	16.1	J	14.8	J	8		P
Barium	ug/L	20	508		473		7		P
Beryllium	ug/L	20	3.13	J	3.12	J	0		P
Cadmium	ug/L	20	6.00	U	6.00	U			P
Calcium	ug/L	20	99700		98800		1		P
Chromium	ug/L	20	187		182		3		P
Cobalt	ug/L	20	40.0		39.1		2		P
Copper	ug/L	20	290		288		1		P
Iron	ug/L	20	77800		70800		9		P
Lead	ug/L	20	116		114		2		P
Magnesium	ug/L	20	68300		67700		1		P
Manganese	ug/L	20	2580		2560		1		P
Nickel	ug/L	20	130		128		2		P
Potassium	ug/L	20	50900		46100		10		P
Selenium	ug/L	20	20.0	U	20.0	U			P
Silver	ug/L	20	10.0	U	10.0	U			P
Sodium	ug/L	20	525000		499000		5		P
Thallium	ug/L	20	40.0	U	40.0	U			P
Vanadium	ug/L	20	96.3		91.1		6		P
Zinc	ug/L	20	323		313		3		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Matrix: Water **Sample ID:** Q1415-06MS **Client ID:** B-173-GW01MSD
Percent Solids for Sample: NA **Duplicate ID** Q1415-06MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	45300		45100		0		P
Antimony	ug/L	20	533		529		1		P
Arsenic	ug/L	20	829		819		1		P
Barium	ug/L	20	721		698		3		P
Beryllium	ug/L	20	192		211		9		P
Cadmium	ug/L	20	213		214		0		P
Calcium	ug/L	20	105000		105000		0		P
Chromium	ug/L	20	575		565		2		P
Cobalt	ug/L	20	257		258		0		P
Copper	ug/L	20	598		597		0		P
Iron	ug/L	20	85200		77900		9		P
Lead	ug/L	20	1140		1140		0		P
Magnesium	ug/L	20	72500		73000		1		P
Manganese	ug/L	20	2930		2910		1		P
Nickel	ug/L	20	662		662		0		P
Potassium	ug/L	20	61300		55300		10		P
Selenium	ug/L	20	1820		1790		2		P
Silver	ug/L	20	75.2		75.1		0		P
Sodium	ug/L	20	547000		508000		7		P
Thallium	ug/L	20	1910		1930		1		P
Vanadium	ug/L	20	374		372		1		P
Zinc	ug/L	20	552		532		4		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1415</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1415</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1421-01</u>	Client ID:	<u>P001-CLAY-CF01-01DUP</u>
Percent Solids for Sample:	70.3	Duplicate ID	Q1421-01DUP	Percent Solids for Spike Sample:	70.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.030		0.028		7		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1415</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1415</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1421-02</u>	Client ID:	<u>P001-CLAY-CF01-01MSD</u>
Percent Solids for Sample:	70.3	Duplicate ID	Q1421-03	Percent Solids for Spike Sample:	70.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.52		0.48		8		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166834BS							
Aluminum	mg/Kg	88.9	84.8		95	80 - 120	P
Antimony	mg/Kg	35.6	35.6		100	80 - 120	P
Arsenic	mg/Kg	35.6	36.1		101	80 - 120	P
Barium	mg/Kg	8.9	7.38		83	80 - 120	P
Beryllium	mg/Kg	8.9	8.14		92	80 - 120	P
Cadmium	mg/Kg	8.9	8.14		92	80 - 120	P
Calcium	mg/Kg	44.4	40.4	J	91	80 - 120	P
Chromium	mg/Kg	17.8	19.0		107	80 - 120	P
Cobalt	mg/Kg	8.9	8.25		93	80 - 120	P
Copper	mg/Kg	13.3	13.7		103	80 - 120	P
Iron	mg/Kg	130	124		95	80 - 120	P
Lead	mg/Kg	44.4	41.8		94	80 - 120	P
Magnesium	mg/Kg	88.9	78.8	J	89	80 - 120	P
Manganese	mg/Kg	8.9	7.65		86	80 - 120	P
Nickel	mg/Kg	22.2	20.5		92	80 - 120	P
Potassium	mg/Kg	440	400		91	80 - 120	P
Selenium	mg/Kg	88.9	86.7		98	80 - 120	P
Silver	mg/Kg	3.3	3.35		102	80 - 120	P
Sodium	mg/Kg	130	117		90	80 - 120	P
Thallium	mg/Kg	88.9	86.2		97	80 - 120	P
Vanadium	mg/Kg	13.3	12.1		91	80 - 120	P
Zinc	mg/Kg	8.9	9.02		101	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166859BS							
Aluminum	ug/L	1000	927		93	80 - 120	P
Antimony	ug/L	400	398		100	80 - 120	P
Arsenic	ug/L	400	391		98	80 - 120	P
Barium	ug/L	100	89.2		89	80 - 120	P
Beryllium	ug/L	100	103		103	80 - 120	P
Cadmium	ug/L	100	90.9		91	80 - 120	P
Calcium	ug/L	500	470	J	94	80 - 120	P
Chromium	ug/L	200	191		96	80 - 120	P
Cobalt	ug/L	100	93.5		94	80 - 120	P
Copper	ug/L	150	151		101	80 - 120	P
Iron	ug/L	1500	1460		97	80 - 120	P
Lead	ug/L	500	463		93	80 - 120	P
Magnesium	ug/L	1000	901	J	90	80 - 120	P
Manganese	ug/L	100	105		105	80 - 120	P
Nickel	ug/L	250	236		94	80 - 120	P
Potassium	ug/L	5000	4870		97	80 - 120	P
Selenium	ug/L	1000	960		96	80 - 120	P
Silver	ug/L	37.5	36.2		96	80 - 120	P
Sodium	ug/L	1500	1340		89	80 - 120	P
Thallium	ug/L	1000	951		95	80 - 120	P
Vanadium	ug/L	150	139		93	80 - 120	P
Zinc	ug/L	100	97.7		98	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166864BS Mercury	mg/Kg	0.26	0.24		90	80 - 120	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Contract: PORT06

Lab Code: CHEM

Case No.: Q1415

SAS No.: Q1415

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166869BS Mercury	ug/L	4.0	3.98		100	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

SURFACE-WATER-1L

Lab Name: Chemtech Consulting Group **Contract:** PORT06
Lab Code: CHEM **Lb No.:** lb134804 **Lab Sample ID :** Q1409-01L **SDG No.:** Q1415
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.20 U	1.00 U			CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

BU-2-022125L

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM Lb No.: lb134813 Lab Sample ID : Q1413-01L SDG No.: Q1415

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Aluminum	1020		1080		6		P
Antimony	2.26	U	11.3	U			P
Arsenic	1.26		1.46	J	16		P
Barium	5.31		4.75	J	11		P
Beryllium	0.21	J	0.24	J	14		P
Cadmium	0.27	U	1.36	U			P
Calcium	1330		1400		5		P
Chromium	6.38		6.59		3		P
Cobalt	0.76	J	0.76	J	1		P
Copper	4.10		4.15	J	1		P
Iron	5440		5710		5		P
Lead	6.42		6.64		4		P
Magnesium	645		676		5		P
Manganese	27.6		29.2		6		P
Nickel	1.62	J	1.63	J	0		P
Potassium	294		300	J	2		P
Selenium	0.91	U	4.53	U			P
Silver	0.45	U	2.26	U			P
Sodium	130		453	U	100.0		P
Thallium	1.81	U	9.05	U			P
Vanadium	6.24		6.58	J	5		P
Zinc	8.39		8.69	J	4		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

B-173-GW01L

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM Lb No.: lb134987 Lab Sample ID : Q1415-06L SDG No.: Q1415

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	42100		41600		1		P
Antimony	50.0	U	250	U			P
Arsenic	16.1	J	100	U	100.0		P
Barium	508		507		0		P
Beryllium	3.13	J	3.33	J	6		P
Cadmium	6.00	U	30.0	U			P
Calcium	99700		111000		11		P
Chromium	187		200		7		P
Cobalt	40.0		39.5	J	1		P
Copper	290		327		13		P
Iron	77800		77700		0		P
Lead	116		113		2		P
Magnesium	68300		74500		9		P
Manganese	2580		2930		14		P
Nickel	130		129	J	0		P
Potassium	50900		46100		9		P
Selenium	20.0	U	100	U			P
Silver	10.0	U	50.0	U			P
Sodium	525000		535000		2		P
Thallium	40.0	U	200	U			P
Vanadium	96.3		101	J	5		P
Zinc	323		292		10		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

P001-CLAY-CF01-01L

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM

Lb No.: lb134807

Lab Sample ID : Q1421-01L

SDG No.: Q1415

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.030	0.10 U	100.0		CV

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1415 **Sas no.:** Q1415 **Sdg no.:** Q1415

Instrument id number: **Method:** **Run number:** LB134804

Start date: 02/26/2025 **End date:** 02/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0821	HG
S0.2	S0.2	1	0823	HG
S2.5	S2.5	1	0825	HG
S5	S5	1	0827	HG
S7.5	S7.5	1	0830	HG
S10	S10	1	0832	HG
ICV17	ICV17	1	0835	HG
ICB17	ICB17	1	0840	HG
CCV18	CCV18	1	0842	HG
CCB18	CCB18	1	0844	HG
CRA	CRA	1	0852	HG
PB166869BL	PB166869BL	1	0902	HG
PB166869BS	PB166869BS	1	0904	HG
Q1409-01DUP	SURFACE-WATER-1DUP	1	0909	HG
Q1409-01MS	SURFACE-WATER-1MS	1	0911	HG
Q1409-01MSD	SURFACE-WATER-1MSD	1	0913	HG
Q1415-05	FB02222025	1	0915	HG
CCV19	CCV19	1	0918	HG
CCB19	CCB19	1	0920	HG
Q1415-06	B-173-GW01	1	0922	HG
Q1409-01L	SURFACE-WATER-1L	5	0925	HG
CCV20	CCV20	1	0933	HG
CCB20	CCB20	1	0936	HG

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1415 **Sas no.:** Q1415 **Sdg no.:** Q1415

Instrument id number: **Method:** **Run number:** LB134807

Start date: 02/26/2025 **End date:** 02/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1052	HG
S0.2	S0.2	1	1054	HG
S2.5	S2.5	1	1058	HG
S5	S5	1	1100	HG
S7.5	S7.5	1	1102	HG
S10	S10	1	1107	HG
ICV19	ICV19	1	1110	HG
ICB19	ICB19	1	1115	HG
CCV25	CCV25	1	1118	HG
CCB25	CCB25	1	1120	HG
CRA	CRA	1	1122	HG
PB166864BL	PB166864BL	1	1132	HG
PB166864BS	PB166864BS	1	1134	HG
Q1415-01	B-163-SB01	1	1136	HG
Q1415-02	B-172-SB01	1	1139	HG
Q1415-03	B-163-SB02	1	1141	HG
Q1415-04	B-172-SB02	1	1143	HG
CCV26	CCV26	1	1148	HG
CCB26	CCB26	1	1153	HG
Q1421-01DUP	P001-CLAY-CF01-01DUP	1	1207	HG
Q1421-02	P001-CLAY-CF01-01MS	1	1216	HG
Q1421-03	P001-CLAY-CF01-01MSD	1	1221	HG
CCV27	CCV27	1	1230	HG
CCB27	CCB27	1	1237	HG
Q1421-01L	P001-CLAY-CF01-01L	5	1242	HG
Q1421-01A	P001-CLAY-CF01-01A	1	1244	HG
CCV28	CCV28	1	1246	HG
CCB28	CCB28	1	1249	HG

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1415 **Sas no.:** Q1415 **Sdg no.:** Q1415

Instrument id number: **Method:** **Run number:** LB134813

Start date: 02/26/2025 **End date:** 02/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1107	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	1111	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	1116	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	1120	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	1124	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	1128	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	1132	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	1137	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	1141	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	1145	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	1150	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	1154	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	1159	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	1204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1413-01DUP	BU-2-022125DUP	1	1237	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1413-01L	BU-2-022125L	5	1241	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1413-01MS	BU-2-022125MS	1	1245	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	1311	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	1315	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1413-01MSD	BU-2-022125MSD	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1413-01A	BU-2-022125A	1	1324	Mn,Sb
CCV03	CCV03	1	1403	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	1409	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	1539	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	1543	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1415 **Sas no.:** Q1415 **Sdg no.:** Q1415

Instrument id number: **Method:** **Run number:** LB134952

Start date: 03/07/2025 **End date:** 03/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0942	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	0947	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	0951	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	0955	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	1000	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	1004	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	1008	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	1013	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	1020	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	1024	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	1028	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	1033	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1037	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1041	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	1057	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	1103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-01	B-163-SB01	1	1116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-02	B-172-SB01	1	1120	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-03	B-163-SB02	1	1124	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-04	B-172-SB02	1	1128	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166834BL	PB166834BL	1	1132	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166834BS	PB166834BS	1	1136	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	1159	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	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1415 **Sas no.:** Q1415 **Sdg no.:** Q1415

Instrument id number: **Method:** **Run number:** LB134965

Start date: 03/10/2025 **End date:** 03/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1117	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	1122	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	1126	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	1130	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	1134	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	1138	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	1148	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	1152	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	1157	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	1201	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	1205	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	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1214	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1218	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	1227	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	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-05	FB02222025	1	1317	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	1321	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	1325	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	1411	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	1415	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	1501	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	1505	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	1551	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	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-02	B-172-SB01	2	1604	Mn
CCV06	CCV06	1	1648	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	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166859BL	PB166859BL	1	1734	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	1739	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	1744	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166859BS	PB166859BS	1	1748	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1829	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1833	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	1846	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	1850	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1415 **Sas no.:** Q1415 **Sdg no.:** Q1415

Instrument id number: **Method:** **Run number:** LB134987

Start date: 03/11/2025 **End date:** 03/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1019	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	1024	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	1028	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	1032	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	1036	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	1041	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	1050	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	1054	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	1058	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	1102	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	1106	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	1111	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1115	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1119	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	1129	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	1134	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	1219	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	1223	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	1310	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	1314	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	1408	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	1413	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-06	B-173-GW01	1	1443	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-06DUP	B-173-GW01DUP	1	1447	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-06L	B-173-GW01L	5	1452	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-06MS	B-173-GW01MS	1	1456	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	1500	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	1504	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-06MSD	B-173-GW01MSD	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1415-06A	B-173-GW01A	1	1513	Sb
CCV06	CCV06	1	1550	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	1554	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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Contract: PORT06

Lab Code: CHEM

Case No.: Q1415

SAS No.: Q1415

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Contract: PORT06

Lab Code: CHEM

Case No.: Q1415

SAS No.: Q1415

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Contract: PORT06

Lab Code: CHEM

Case No.: Q1415

SAS No.: Q1415

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Contract: PORT06

Lab Code: CHEM

Case No.: Q1415

SAS No.: Q1415

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: Q1415

Contract: PORT06

Lab Code: CHEM

Case No.: Q1415

SAS No.: Q1415

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals
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LINEAR RANGES

Client: Portal Partners Tri-Venture **SDG No.:** Q1415
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1415 **SAS No.:** Q1415
Instrument ID: P4 **Date:** 01/04/2018

Analyte	Integration	LDR ug/L
	Time (sec)	
Aluminum	10	1980000
Antimony	10	90000
Arsenic	10	81000
Barium	10	90000
Beryllium	10	9000
Cadmium	10	9000
Calcium	10	2520000
Chromium	10	90000
Cobalt	10	81000
Copper	10	333000
Iron	10	900000
Lead	10	225000
Magnesium	10	3600000
Manganese	10	58500
Nickel	10	90000
Potassium	10	1800000
Selenium	10	90000
Silver	10	9000
Sodium	10	2520000
Thallium	10	90000
Vanadium	10	90000
Zinc	10	45000

LAB CHRONICLE

OrderID:	Q1415	OrderDate:	2/24/2025 10:32:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	N31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1415-01	B-163-SB01	SOIL			02/22/25			02/24/25
			Mercury	7471B		02/25/25	02/26/25	
			Metals ICP-TAL	6010D		02/24/25	03/07/25	
Q1415-02	B-172-SB01	SOIL			02/22/25			02/24/25
			Mercury	7471B		02/25/25	02/26/25	
			Metals ICP-TAL	6010D		02/24/25	03/07/25	
			Metals ICP-TAL	6010D		02/24/25	03/10/25	
Q1415-03	B-163-SB02	SOIL			02/22/25			02/24/25
			Mercury	7471B		02/25/25	02/26/25	
			Metals ICP-TAL	6010D		02/24/25	03/07/25	
Q1415-04	B-172-SB02	SOIL			02/22/25			02/24/25
			Mercury	7471B		02/25/25	02/26/25	
			Metals ICP-TAL	6010D		02/24/25	03/07/25	
Q1415-05	FB02222025	Water			02/22/25			02/24/25
			Mercury	7470A		02/25/25	02/26/25	
			Metals ICP-TAL	6010D		02/25/25	03/10/25	
Q1415-06	B-173-GW01	Water			02/22/25			02/24/25
			Mercury	7470A		02/25/25	02/26/25	
			Metals ICP-TAL	6010D		02/25/25	03/11/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>Q1415</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1415</u>
		SAS No.:	<u>Q1415</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166834							
PB166834BL	PB166834BL	MB	SOLID	02/24/2025	2.37	100.0	100.00
PB166834BS	PB166834BS	LCS	SOLID	02/24/2025	2.25	100.0	100.00
Q1413-01DUP	BU-2-022125DUP	DUP	SOLID	02/24/2025	2.24	100.0	94.40
Q1413-01MS	BU-2-022125MS	MS	SOLID	02/24/2025	2.31	100.0	94.40
Q1413-01MSD	BU-2-022125MSD	MSD	SOLID	02/24/2025	2.13	100.0	94.40
Q1415-01	B-163-SB01	SAM	SOLID	02/24/2025	2.11	100.0	88.50
Q1415-02	B-172-SB01	SAM	SOLID	02/24/2025	2.38	100.0	86.60
Q1415-03	B-163-SB02	SAM	SOLID	02/24/2025	2.28	100.0	72.40
Q1415-04	B-172-SB02	SAM	SOLID	02/24/2025	2.25	100.0	89.70

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>Q1415</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1415</u>
		SAS No.:	<u>Q1415</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166859							
PB166859BL	PB166859BL	MB	WATER	02/25/2025	50.0	25.0	
PB166859BS	PB166859BS	LCS	WATER	02/25/2025	50.0	25.0	
Q1415-05	FB02222025	SAM	WATER	02/25/2025	50.0	25.0	
Q1415-06	B-173-GW01	SAM	WATER	02/25/2025	50.0	50.0	
Q1415-06DUP	B-173-GW01DUP	DUP	WATER	02/25/2025	50.0	50.0	
Q1415-06MS	B-173-GW01MS	MS	WATER	02/25/2025	50.0	50.0	
Q1415-06MSD	B-173-GW01MSD	MSD	WATER	02/25/2025	50.0	50.0	

Metals
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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>Q1415</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1415</u>
		SAS No.:	<u>Q1415</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166864							
PB166864BL	PB166864BL	MB	SOLID	02/25/2025	0.56	35.0	100.00
PB166864BS	PB166864BS	LCS	SOLID	02/25/2025	0.54	35.0	100.00
Q1415-01	B-163-SB01	SAM	SOLID	02/25/2025	0.50	35.0	88.50
Q1415-02	B-172-SB01	SAM	SOLID	02/25/2025	0.51	35.0	86.60
Q1415-03	B-163-SB02	SAM	SOLID	02/25/2025	0.52	35.0	72.40
Q1415-04	B-172-SB02	SAM	SOLID	02/25/2025	0.51	35.0	89.70
Q1421-01DUP	P001-CLAY-CF01-01DUP	DUP	SOLID	02/25/2025	0.51	35.0	70.30
Q1421-02	P001-CLAY-CF01-01MS	MS	SOLID	02/25/2025	0.50	35.0	70.30
Q1421-03	P001-CLAY-CF01-01MSD	MSD	SOLID	02/25/2025	0.52	35.0	70.30

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>Q1415</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1415</u>
		SAS No.:	<u>Q1415</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166869							
PB166869BL	PB166869BL	MB	WATER	02/25/2025	30.0	30.0	
PB166869BS	PB166869BS	LCS	WATER	02/25/2025	30.0	30.0	
Q1409-01DUP	SURFACE-WATER-1DUP	DUP	WATER	02/25/2025	30.0	30.0	
Q1409-01MS	SURFACE-WATER-1MS	MS	WATER	02/25/2025	30.0	30.0	
Q1409-01MSD	SURFACE-WATER-1MSD	MSD	WATER	02/25/2025	30.0	30.0	
Q1415-05	FB02222025	SAM	WATER	02/25/2025	30.0	30.0	
Q1415-06	B-173-GW01	SAM	WATER	02/25/2025	30.0	30.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134804

Review By	Mohan	Review On	3/4/2025 8:30:18 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:35 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84620,MP84621,MP84622,MP84623,MP84624,MP84625		
ICV Standard	MP84626		
CCV Standard	MP84628		
ICSA Standard			
CRI Standard	MP84630		
LCS Standard			
Chk Standard	MP84627,MP84629,MP84631,MP84634		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/26/25 08:21		Mohan	OK
2	S0.2	S0.2	CAL2	02/26/25 08:23		Mohan	OK
3	S2.5	S2.5	CAL3	02/26/25 08:25		Mohan	OK
4	S5	S5	CAL4	02/26/25 08:27		Mohan	OK
5	S7.5	S7.5	CAL5	02/26/25 08:30		Mohan	OK
6	S10	S10	CAL6	02/26/25 08:32		Mohan	OK
7	ICV17	ICV17	ICV	02/26/25 08:35		Mohan	OK
8	ICB17	ICB17	ICB	02/26/25 08:40		Mohan	OK
9	CCV18	CCV18	CCV	02/26/25 08:42		Mohan	OK
10	CCB18	CCB18	CCB	02/26/25 08:44		Mohan	OK
11	CRA	CRA	CRDL	02/26/25 08:52		Mohan	OK
12	HighStd	HighStd	HIGH STD	02/26/25 08:54		Mohan	OK
13	ChkStd	ChkStd	SAM	02/26/25 08:57		Mohan	OK
14	PB166869BL	PB166869BL	MB	02/26/25 09:02		Mohan	OK
15	PB166869BS	PB166869BS	LCS	02/26/25 09:04		Mohan	OK
16	Q1409-01	SURFACE-WATER-1	SAM	02/26/25 09:06		Mohan	OK
17	Q1409-01DUP	SURFACE-WATER-1	DUP	02/26/25 09:09		Mohan	OK
18	Q1409-01MS	SURFACE-WATER-1	MS	02/26/25 09:11		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134804

Review By	Mohan	Review On	3/4/2025 8:30:18 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:35 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84620,MP84621,MP84622,MP84623,MP84624,MP84625		
ICV Standard	MP84626		
CCV Standard	MP84628		
ICSA Standard			
CRI Standard	MP84630		
LCS Standard			
Chk Standard	MP84627,MP84629,MP84631,MP84634		

19	Q1409-01MSD	SURFACE-WATER-1	MSD	02/26/25 09:13		Mohan	OK
20	Q1415-05	FB02222025	SAM	02/26/25 09:15		Mohan	OK
21	CCV19	CCV19	CCV	02/26/25 09:18		Mohan	OK
22	CCB19	CCB19	CCB	02/26/25 09:20		Mohan	OK
23	Q1415-06	B-173-GW01	SAM	02/26/25 09:22		Mohan	OK
24	Q1409-01L	SURFACE-WATER-1	SD	02/26/25 09:25		Mohan	OK
25	Q1409-01A	SURFACE-WATER-1	PS	02/26/25 09:31		Mohan	OK
26	CCV20	CCV20	CCV	02/26/25 09:33		Mohan	OK
27	CCB20	CCB20	CCB	02/26/25 09:36		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134807

Review By	Mohan	Review On	3/4/2025 8:28:51 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:24 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84620,MP84621,MP84622,MP84623,MP84624,MP84625		
ICV Standard	MP84626		
CCV Standard	MP84628		
ICSA Standard			
CRI Standard	MP84630		
LCS Standard			
Chk Standard	MP84627,MP84629,MP84631,MP84634		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/26/25 10:52		Mohan	OK
2	S0.2	S0.2	CAL2	02/26/25 10:54		Mohan	OK
3	S2.5	S2.5	CAL3	02/26/25 10:58		Mohan	OK
4	S5	S5	CAL4	02/26/25 11:00		Mohan	OK
5	S7.5	S7.5	CAL5	02/26/25 11:02		Mohan	OK
6	S10	S10	CAL6	02/26/25 11:07		Mohan	OK
7	ICV19	ICV19	ICV	02/26/25 11:10		Mohan	OK
8	ICB19	ICB19	ICB	02/26/25 11:15		Mohan	OK
9	CCV25	CCV25	CCV	02/26/25 11:18		Mohan	OK
10	CCB25	CCB25	CCB	02/26/25 11:20		Mohan	OK
11	CRA	CRA	CRDL	02/26/25 11:22		Mohan	OK
12	HighStd	HighStd	HIGH STD	02/26/25 11:24		Mohan	OK
13	ChkStd	ChkStd	SAM	02/26/25 11:27		Mohan	OK
14	PB166864BL	PB166864BL	MB	02/26/25 11:32		Mohan	OK
15	PB166864BS	PB166864BS	LCS	02/26/25 11:34		Mohan	OK
16	Q1415-01	B-163-SB01	SAM	02/26/25 11:36		Mohan	OK
17	Q1415-02	B-172-SB01	SAM	02/26/25 11:39		Mohan	OK
18	Q1415-03	B-163-SB02	SAM	02/26/25 11:41		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134807

Review By	Mohan	Review On	3/4/2025 8:28:51 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:24 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84620,MP84621,MP84622,MP84623,MP84624,MP84625		
ICV Standard	MP84626		
CCV Standard	MP84628		
ICSA Standard			
CRI Standard	MP84630		
LCS Standard			
Chk Standard	MP84627,MP84629,MP84631,MP84634		

19	Q1415-04	B-172-SB02	SAM	02/26/25 11:43		Mohan	OK
20	Q1416-01	OK-01-022425	SAM	02/26/25 11:46		Mohan	OK
21	CCV26	CCV26	CCV	02/26/25 11:48		Mohan	OK
22	CCB26	CCB26	CCB	02/26/25 11:53		Mohan	OK
23	Q1418-01	TR-06-02242025	SAM	02/26/25 11:55		Mohan	OK
24	Q1420-01	TP-1-WC	SAM	02/26/25 11:57		Mohan	OK
25	Q1420-05	TP-2-WC	SAM	02/26/25 12:00		Mohan	OK
26	Q1421-01	P001-CLAY-CF01-01	SAM	02/26/25 12:02		Mohan	OK
27	Q1421-01DUP	P001-CLAY-CF01-01	DUP	02/26/25 12:07		Mohan	OK
28	Q1421-02	P001-CLAY-CF01-01	MS	02/26/25 12:16		Mohan	OK
29	Q1421-03	P001-CLAY-CF01-01	MSD	02/26/25 12:21		Mohan	OK
30	Q1421-07	P001-CLAY-CF01-02	SAM	02/26/25 12:23		Mohan	OK
31	Q1421-09	P001-CLAY-CF02-01	SAM	02/26/25 12:26		Mohan	OK
32	Q1422-01	B-154-SB01	SAM	02/26/25 12:28		Mohan	OK
33	CCV27	CCV27	CCV	02/26/25 12:30		Mohan	OK
34	CCB27	CCB27	CCB	02/26/25 12:37		Mohan	OK
35	Q1422-02	B-154-SB02	SAM	02/26/25 12:40		Mohan	OK
36	Q1421-01L	P001-CLAY-CF01-01	SD	02/26/25 12:42		Mohan	OK
37	Q1421-01A	P001-CLAY-CF01-01	PS	02/26/25 12:44		Mohan	OK
38	CCV28	CCV28	CCV	02/26/25 12:46		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134807

Review By	Mohan	Review On	3/4/2025 8:28:51 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:24 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84620,MP84621,MP84622,MP84623,MP84624,MP84625		
ICV Standard	MP84626		
CCV Standard	MP84628		
ICSA Standard			
CRI Standard	MP84630		
LCS Standard			
Chk Standard	MP84627,MP84629,MP84631,MP84634		

39	CCB28	CCB28	CCB	02/26/25 12:49		Mohan	OK
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I
J

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134813

Review By	kareem	Review On	2/27/2025 6:15:01 PM
Supervise By	JANVI	Supervise On	3/5/2025 12:24:12 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84645		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/26/25 11:07		Kareem	OK
2	S1	S1	CAL2	02/26/25 11:11		Kareem	OK
3	S2	S2	CAL3	02/26/25 11:16		Kareem	OK
4	S3	S3	CAL4	02/26/25 11:20		Kareem	OK
5	S4	S4	CAL5	02/26/25 11:24		Kareem	OK
6	S5	S5	CAL6	02/26/25 11:28		Kareem	OK
7	ICV01	ICV01	ICV	02/26/25 11:32		Kareem	OK
8	LLICV01	LLICV01	LLICV	02/26/25 11:37		Kareem	OK
9	ICB01	ICB01	ICB	02/26/25 11:41		Kareem	OK
10	CRI01	CRI01	CRDL	02/26/25 11:45		Kareem	OK
11	ICSA01	ICSA01	ICSA	02/26/25 11:50		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	02/26/25 11:54		Kareem	OK
13	CCV01	CCV01	CCV	02/26/25 11:59		Kareem	OK
14	CCB01	CCB01	CCB	02/26/25 12:04		Kareem	OK
15	Q1409-01	SURFACE-WATER-1	SAM	02/26/25 12:08		Kareem	OK
16	Q1409-01DUP	SURFACE-WATER-1	DUP	02/26/25 12:12		Kareem	OK
17	Q1409-01L	SURFACE-WATER-1	SD	02/26/25 12:17		Kareem	OK
18	Q1409-01MS	SURFACE-WATER-1	MS	02/26/25 12:21	0.1 ML M6010 AND M6001 WERE ADDED TO 10ML SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134813

Review By	kareem	Review On	2/27/2025 6:15:01 PM
Supervise By	JANVI	Supervise On	3/5/2025 12:24:12 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84645
CRI Standard	MP84642
LCS Standard	
Chk Standard	MP84649,MP84650

19	Q1409-01MSD	SURFACE-WATER-11	MSD	02/26/25 12:25	0.1 ML M6010 AND M6001 WERE ADDED TO 10ML SAMPLE	Kareem	OK
20	Q1409-01A	SURFACE-WATER-1A	PS	02/26/25 12:29	0.1 ML M6010 AND M6001 WERE ADDED TO 10ML SAMPLE	Kareem	OK
21	Q1413-01	BU-2-022125	SAM	02/26/25 12:33		Kareem	OK
22	Q1413-01DUP	BU-2-022125DUP	DUP	02/26/25 12:37		Kareem	OK
23	Q1413-01L	BU-2-022125L	SD	02/26/25 12:41		Kareem	OK
24	Q1413-01MS	BU-2-022125MS	MS	02/26/25 12:45	0.1 ML M6010 AND M6001 WERE ADDED TO 10ML SAMPLE	Kareem	OK
25	CCV02	CCV02	CCV	02/26/25 13:11		Kareem	OK
26	CCB02	CCB02	CCB	02/26/25 13:15		Kareem	OK
27	Q1413-01MSD	BU-2-022125MSD	MSD	02/26/25 13:20	0.1 ML M6010 AND M6001 WERE ADDED TO 10ML SAMPLE	Kareem	OK
28	Q1413-01A	BU-2-022125A	PS	02/26/25 13:24	0.1 ML M6010 AND M6001 WERE ADDED TO 10ML SAMPLE	Kareem	OK
29	Q1418-01	TR-06-02242025	SAM	02/26/25 13:28		Kareem	OK
30	PB166835BL	PB166835BL	MB	02/26/25 13:32		Kareem	OK
31	PB166835BS	PB166835BS	LCS	02/26/25 13:36	0.1 ML M6010 AND M6001 WERE ADDED TO 10ML SAMPLE	Kareem	OK
32	PB166834BL	PB166834BL	MB	02/26/25 13:40	Not Use	Kareem	Not Ok
33	PB166834BS	PB166834BS	LCS	02/26/25 13:45	Not Use	Kareem	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134813

Review By	kareem	Review On	2/27/2025 6:15:01 PM
Supervise By	JANVI	Supervise On	3/5/2025 12:24:12 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84645		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

34	PB166858BL	PB166858BL	MB	02/26/25 13:49	NOT USE	Kareem	Not Ok
35	PB166858BS	PB166858BS	LCS	02/26/25 13:53	NOT USE	Kareem	Not Ok
36	CCV03	CCV03	CCV	02/26/25 14:03		Kareem	OK
37	CCB03	CCB03	CCB	02/26/25 14:09		Kareem	OK
38	LR1	LR1	HIGH STD	02/26/25 15:30		Kareem	OK
39	LR2	LR2	HIGH STD	02/26/25 15:35		Kareem	OK
40	CCV04	CCV04	CCV	02/26/25 15:39		Kareem	OK
41	CCB04	CCB04	CCB	02/26/25 15:43		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134952

Review By	kareem	Review On	3/10/2025 2:20:36 PM
Supervise By	jaswal	Supervise On	3/11/2025 8:57:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/07/25 09:42		Kareem	OK
2	S1	S1	CAL2	03/07/25 09:47		Kareem	OK
3	S2	S2	CAL3	03/07/25 09:51		Kareem	OK
4	S3	S3	CAL4	03/07/25 09:55		Kareem	OK
5	S4	S4	CAL5	03/07/25 10:00		Kareem	OK
6	S5	S5	CAL6	03/07/25 10:04		Kareem	OK
7	ICV01	ICV01	ICV	03/07/25 10:08		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/07/25 10:13		Kareem	OK
9	ICB01	ICB01	ICB	03/07/25 10:20		Kareem	OK
10	CRI01	CRI01	CRDL	03/07/25 10:24		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/07/25 10:28		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/07/25 10:33		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/07/25 10:37		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/07/25 10:41		Kareem	OK
15	CCV01	CCV01	CCV	03/07/25 10:57		Kareem	OK
16	CCB01	CCB01	CCB	03/07/25 11:03		Kareem	OK
17	Q1415-01	B-163-SB01	SAM	03/07/25 11:16		Kareem	OK
18	Q1415-02	B-172-SB01	SAM	03/07/25 11:20	Mn high	Kareem	Dilution

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134952

Review By	kareem	Review On	3/10/2025 2:20:36 PM
Supervise By	jaswal	Supervise On	3/11/2025 8:57:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

19	Q1415-03	B-163-SB02	SAM	03/07/25 11:24		Kareem	OK
20	Q1415-04	B-172-SB02	SAM	03/07/25 11:28		Kareem	OK
21	PB166834BL	PB166834BL	MB	03/07/25 11:32		Kareem	OK
22	PB166834BS	PB166834BS	LCS	03/07/25 11:36	0.1 ML M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
23	Q1481-02	WC-K1311	SAM	03/07/25 11:40		Kareem	OK
24	Q1489-04	TP-1	SAM	03/07/25 11:45	Need to confirm TCLP for Ba,Zn	Kareem	OK
25	Q1489-08	TP-2	SAM	03/07/25 11:49		Kareem	OK
26	LR1	LR1	HIGH STD	03/07/25 11:54		Kareem	OK
27	CCV02	CCV02	CCV	03/07/25 11:59		Kareem	OK
28	CCB02	CCB02	CCB	03/07/25 12:03		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134965

Review By	jaswal	Review On	3/11/2025 8:55:53 AM
Supervise By	kareem	Supervise On	3/11/2025 9:00:40 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/10/25 11:17		Kareem	OK
2	S1	S1	CAL2	03/10/25 11:22		Kareem	OK
3	S2	S2	CAL3	03/10/25 11:26		Kareem	OK
4	S3	S3	CAL4	03/10/25 11:30		Kareem	OK
5	S4	S4	CAL5	03/10/25 11:34		Kareem	OK
6	S5	S5	CAL6	03/10/25 11:38		Kareem	OK
7	ICV01	ICV01	ICV	03/10/25 11:48		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/10/25 11:52		Kareem	OK
9	ICB01	ICB01	ICB	03/10/25 11:57		Kareem	OK
10	CRI01	CRI01	CRDL	03/10/25 12:01		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/10/25 12:05		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/10/25 12:10		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/10/25 12:14		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/10/25 12:18		Kareem	OK
15	CCV01	CCV01	CCV	03/10/25 12:27		Kareem	OK
16	CCB01	CCB01	CCB	03/10/25 12:34		Kareem	OK
17	Q1489-16MSD	TP-4MSD	MSD	03/10/25 12:38		Kareem	OK
18	Q1489-16A	TP-4A	PS	03/10/25 12:42		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134965

Review By	jaswal	Review On	3/11/2025 8:55:53 AM
Supervise By	kareem	Supervise On	3/11/2025 9:00:40 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

19	Q1478-13	IDW-SO-COMP-0228	SAM	03/10/25 12:46		Kareem	OK
20	Q1481-01	WC-K1311	SAM	03/10/25 12:51		Kareem	OK
21	Q1489-12	TP-3	SAM	03/10/25 12:55		Kareem	OK
22	Q1489-16	TP-4	SAM	03/10/25 12:59		Kareem	OK
23	Q1489-16DUP	TP-4DUP	DUP	03/10/25 13:04		Kareem	OK
24	Q1489-16L	TP-4L	SD	03/10/25 13:08		Kareem	OK
25	Q1489-16MS	TP-4MS	MS	03/10/25 13:12		Kareem	OK
26	Q1415-05	FB02222025	SAM	03/10/25 13:17		Kareem	OK
27	CCV02	CCV02	CCV	03/10/25 13:21		Kareem	OK
28	CCB02	CCB02	CCB	03/10/25 13:25		Kareem	OK
29	Q1415-05DUP	FB02222025DUP	DUP	03/10/25 13:29	NOT USE	Kareem	Not Ok
30	Q1415-05L	FB02222025L	SD	03/10/25 13:34	NOT USE	Kareem	Not Ok
31	Q1415-05MS	FB02222025MS	MS	03/10/25 13:38	NOT USE	Kareem	Not Ok
32	Q1415-05MSD	FB02222025MSD	MSD	03/10/25 13:42	NOT USE	Kareem	Not Ok
33	Q1415-05A	FB02222025A	PS	03/10/25 13:46	NOT USE	Kareem	Not Ok
34	Q1415-06	B-173-GW01	SAM	03/10/25 13:50	NOT USE	Kareem	Not Ok
35	Q1421-04	P001-CLAY-CF01-01	SAM	03/10/25 13:55	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
36	Q1421-04DUP	P001-CLAY-CF01-01	DUP	03/10/25 13:59	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
37	Q1421-04L	P001-CLAY-CF01-01	SD	03/10/25 14:03	MS/MSD fail for more than 50% parameters	Kareem	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134965

Review By	jaswal	Review On	3/11/2025 8:55:53 AM
Supervise By	kareem	Supervise On	3/11/2025 9:00:40 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

38	Q1421-05	P001-CLAY-CF01-01	MS	03/10/25 14:07	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
39	CCV03	CCV03	CCV	03/10/25 14:11		Kareem	OK
40	CCB03	CCB03	CCB	03/10/25 14:15		Kareem	OK
41	Q1421-06	P001-CLAY-CF01-01	MSD	03/10/25 14:20	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
42	Q1421-04A	P001-CLAY-CF01-01	PS	03/10/25 14:24	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
43	Q1421-08	P001-CLAY-CF01-02	SAM	03/10/25 14:28		Kareem	OK
44	Q1421-10	P001-CLAY-CF02-01	SAM	03/10/25 14:32		Kareem	OK
45	Q1421-01	P001-CLAY-CF01-01	SAM	03/10/25 14:36	Fe high	Kareem	Dilution
46	Q1421-01DUP	P001-CLAY-CF01-01	DUP	03/10/25 14:41	Fe high	Kareem	Dilution
47	Q1421-01L	P001-CLAY-CF01-01	SD	03/10/25 14:45		Kareem	OK
48	Q1421-02	P001-CLAY-CF01-01	MS	03/10/25 14:49	Fe high	Kareem	Dilution
49	Q1421-03	P001-CLAY-CF01-01	MSD	03/10/25 14:53	Fe high	Kareem	Dilution
50	Q1421-01A	P001-CLAY-CF01-01	PS	03/10/25 14:57		Kareem	OK
51	CCV04	CCV04	CCV	03/10/25 15:01		Kareem	OK
52	CCB04	CCB04	CCB	03/10/25 15:05		Kareem	OK
53	Q1421-07	P001-CLAY-CF01-02	SAM	03/10/25 15:10	Fe high, Ag (oversaturated)	Kareem	Dilution
54	Q1421-09	P001-CLAY-CF02-01	SAM	03/10/25 15:14		Kareem	OK
55	Q1422-01	B-154-SB01	SAM	03/10/25 15:18		Kareem	OK
56	Q1422-02	B-154-SB02	SAM	03/10/25 15:22		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134965

Review By	jaswal	Review On	3/11/2025 8:55:53 AM
Supervise By	kareem	Supervise On	3/11/2025 9:00:40 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

57	Q1429-01	OUTFALL-DSN-001	SAM	03/10/25 15:26		Kareem	OK
58	Q1429-01DUP	OUTFALL-DSN-001D	DUP	03/10/25 15:31		Kareem	OK
59	Q1429-01L	OUTFALL-DSN-001L	SD	03/10/25 15:35		Kareem	OK
60	Q1429-01MS	OUTFALL-DSN-001M	MS	03/10/25 15:39		Kareem	OK
61	Q1429-01MSD	OUTFALL-DSN-001M	MSD	03/10/25 15:43		Kareem	OK
62	Q1429-01A	OUTFALL-DSN-001A	PS	03/10/25 15:47		Kareem	OK
63	CCV05	CCV05	CCV	03/10/25 15:51		Kareem	OK
64	CCB05	CCB05	CCB	03/10/25 15:55		Kareem	OK
65	Q1429-02	OUTFALL-DSN-002	SAM	03/10/25 16:00		Kareem	OK
66	Q1415-02DL	B-172-SB01DL	SAM	03/10/25 16:04	2x for Mn	Kareem	Confirms
67	PB166968TB	PB166968TB	MB	03/10/25 16:08		Kareem	OK
68	PB166990BL	PB166990BL	MB	03/10/25 16:12		Kareem	OK
69	PB166990BS	PB166990BS	LCS	03/10/25 16:17		Kareem	OK
70	PB166878TB	PB166878TB	MB	03/10/25 16:21		Kareem	OK
71	PB166878BL	PB166878BL	MB	03/10/25 16:25		Kareem	OK
72	PB166878BS	PB166878BS	LCS	03/10/25 16:29		Kareem	OK
73	PB166858BL	PB166858BL	MB	03/10/25 16:33		Kareem	OK
74	PB166858BS	PB166858BS	LCS	03/10/25 16:44		Kareem	OK
75	CCV06	CCV06	CCV	03/10/25 16:48		Kareem	OK
76	CCB06	CCB06	CCB	03/10/25 16:52		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134965

Review By	jaswal	Review On	3/11/2025 8:55:53 AM
Supervise By	kareem	Supervise On	3/11/2025 9:00:40 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

77	Q1421-01DL	P001-CLAY-CF01-01	SAM	03/10/25 16:56	2x for Fe	Kareem	Confirms
78	Q1421-01DUPDL	P001-CLAY-CF01-01	DUP	03/10/25 17:00	2x for Fe	Kareem	Confirms
79	Q1421-01LDL	P001-CLAY-CF01-01	SD	03/10/25 17:05	NOT REQUIRED	Kareem	Not Ok
80	Q1421-02DL	P001-CLAY-CF01-01	MS	03/10/25 17:09	2x for Fe	Kareem	Confirms
81	Q1421-03DL	P001-CLAY-CF01-01	MSD	03/10/25 17:13	2x for Fe	Kareem	Confirms
82	Q1421-01ADL	P001-CLAY-CF01-01	PS	03/10/25 17:17	NOT REQUIRED	Kareem	Not Ok
83	Q1421-07DL	P001-CLAY-CF01-02	SAM	03/10/25 17:21	2x for Fe,Ag	Kareem	Confirms
84	Q1421-09DL	P001-CLAY-CF02-01	SAM	03/10/25 17:26	NOT USE	Kareem	Not Ok
85	PB166927TB	PB166927TB	MB	03/10/25 17:30		Kareem	OK
86	PB166859BL	PB166859BL	MB	03/10/25 17:34		Kareem	OK
87	CCV07	CCV07	CCV	03/10/25 17:39		Kareem	OK
88	CCB07	CCB07	CCB	03/10/25 17:44		Kareem	OK
89	PB166859BS	PB166859BS	LCS	03/10/25 17:48		Kareem	OK
90	Q1524-01	72-11930-343-COMP	SAM	03/10/25 17:52		Kareem	OK
91	Q1524-01DUP	72-11930-343-COMP	DUP	03/10/25 17:56		Kareem	OK
92	Q1524-01L	72-11930-343-COMP	SD	03/10/25 18:00		Kareem	OK
93	Q1524-01MS	72-11930-343-COMP	MS	03/10/25 18:04		Kareem	OK
94	Q1524-01MSD	72-11930-343-COMP	MSD	03/10/25 18:08		Kareem	OK
95	Q1524-01A	72-11930-343-COMP	PS	03/10/25 18:12		Kareem	OK
96	Q1524-02	VNJ-241	SAM	03/10/25 18:16		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134965

Review By	jaswal	Review On	3/11/2025 8:55:53 AM
Supervise By	kareem	Supervise On	3/11/2025 9:00:40 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84642		
LCS Standard			
Chk Standard	MP84649,MP84650		

97	PB167039BL	PB167039BL	MB	03/10/25 18:20		Kareem	OK
98	PB167039BS	PB167039BS	LCS	03/10/25 18:25		Kareem	OK
99	CCV08	CCV08	CCV	03/10/25 18:29		Kareem	OK
100	CCB08	CCB08	CCB	03/10/25 18:33		Kareem	OK
101	LR1	LR1	HIGH STD	03/10/25 18:37		Kareem	OK
102	LR2	LR2	HIGH STD	03/10/25 18:42		Kareem	OK
103	CCV09	CCV09	CCV	03/10/25 18:46		Kareem	OK
104	CCB09	CCB09	CCB	03/10/25 18:50		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/11/25 10:19		Kareem	OK
2	S1	S1	CAL2	03/11/25 10:24		Kareem	OK
3	S2	S2	CAL3	03/11/25 10:28		Kareem	OK
4	S3	S3	CAL4	03/11/25 10:32		Kareem	OK
5	S4	S4	CAL5	03/11/25 10:36		Kareem	OK
6	S5	S5	CAL6	03/11/25 10:41		Kareem	OK
7	ICV01	ICV01	ICV	03/11/25 10:50		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/11/25 10:54		Kareem	OK
9	ICB01	ICB01	ICB	03/11/25 10:58		Kareem	OK
10	CRI01	CRI01	CRDL	03/11/25 11:02		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/11/25 11:06		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/11/25 11:11		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/11/25 11:15		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/11/25 11:19		Kareem	OK
15	CCV01	CCV01	CCV	03/11/25 11:29		Kareem	OK
16	CCB01	CCB01	CCB	03/11/25 11:34		Kareem	OK
17	Q1421-04	P001-CLAY-CF01-01	SAM	03/11/25 11:38		Kareem	OK
18	Q1421-04DUP	P001-CLAY-CF01-01	DUP	03/11/25 11:42		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

19	Q1421-04L	P001-CLAY-CF01-01L	SD	03/11/25 11:46		Kareem	OK
20	Q1421-05	P001-CLAY-CF01-01M	MS	03/11/25 11:51		Kareem	OK
21	Q1421-06	P001-CLAY-CF01-01M	MSD	03/11/25 11:55		Kareem	OK
22	Q1421-04A	P001-CLAY-CF01-01A	PS	03/11/25 11:59		Kareem	OK
23	Q1490-01	MS	SAM	03/11/25 12:02		Kareem	OK
24	Q1490-02	MS	SAM	03/11/25 12:07		Kareem	OK
25	Q1494-03	ASPHALT-SOIL	SAM	03/11/25 12:11		Kareem	OK
26	Q1494-05	SOIL	SAM	03/11/25 12:15		Kareem	OK
27	CCV02	CCV02	CCV	03/11/25 12:19		Kareem	OK
28	CCB02	CCB02	CCB	03/11/25 12:23		Kareem	OK
29	Q1494-07	SOIL-COMP	SAM	03/11/25 12:28		Kareem	OK
30	Q1494-07DUP	SOIL-COMPDUP	DUP	03/11/25 12:32		Kareem	OK
31	Q1494-07L	SOIL-COMPL	SD	03/11/25 12:36		Kareem	OK
32	Q1494-07MS	SOIL-COMPMS	MS	03/11/25 12:40		Kareem	OK
33	Q1494-07MSD	SOIL-COMPMSD	MSD	03/11/25 12:44		Kareem	OK
34	Q1494-07A	SOIL-COMPA	PS	03/11/25 12:48		Kareem	OK
35	Q1494-04	ASPHALT-SOIL	SAM	03/11/25 12:52		Kareem	OK
36	Q1494-06	SOIL	SAM	03/11/25 12:57		Kareem	OK
37	Q1494-08	SOIL-COMP	SAM	03/11/25 13:01		Kareem	OK
38	PB167004BL	PB167004BL	MB	03/11/25 13:05		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

39	CCV03	CCV03	CCV	03/11/25 13:10		Kareem	OK
40	CCB03	CCB03	CCB	03/11/25 13:14		Kareem	OK
41	PB167004BS	PB167004BS	LCS	03/11/25 13:18		Kareem	OK
42	Q1494-01	PURGE-WATER	SAM	03/11/25 13:22		Kareem	OK
43	Q1494-01DUP	PURGE-WATERDUP	DUP	03/11/25 13:26		Kareem	OK
44	Q1494-01L	PURGE-WATERL	SD	03/11/25 13:31		Kareem	OK
45	Q1494-01MS	PURGE-WATERMS	MS	03/11/25 13:35		Kareem	OK
46	Q1494-01MSD	PURGE-WATERMSD	MSD	03/11/25 13:39		Kareem	OK
47	Q1494-01A	PURGE-WATERA	PS	03/11/25 13:43		Kareem	OK
48	PB167002BL	PB167002BL	MB	03/11/25 13:55		Kareem	OK
49	PB167002BS	PB167002BS	LCS	03/11/25 14:00		Kareem	OK
50	Q1499-01	402	SAM	03/11/25 14:04		Kareem	OK
51	CCV04	CCV04	CCV	03/11/25 14:08		Kareem	OK
52	CCB04	CCB04	CCB	03/11/25 14:13		Kareem	OK
53	Q1499-01DUP	402DUP	DUP	03/11/25 14:17		Kareem	OK
54	Q1499-01L	402L	SD	03/11/25 14:21		Kareem	OK
55	Q1499-01MS	402MS	MS	03/11/25 14:26		Kareem	OK
56	Q1499-01MSD	402MSD	MSD	03/11/25 14:30		Kareem	OK
57	Q1499-01A	402A	PS	03/11/25 14:34		Kareem	OK
58	Q1488-02	ENV-101-SB01	SAM	03/11/25 14:38		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

59	Q1415-06	B-173-GW01	SAM	03/11/25 14:43		Kareem	OK
60	Q1415-06DUP	B-173-GW01DUP	DUP	03/11/25 14:47		Kareem	OK
61	Q1415-06L	B-173-GW01L	SD	03/11/25 14:52		Kareem	OK
62	Q1415-06MS	B-173-GW01MS	MS	03/11/25 14:56		Kareem	OK
63	CCV05	CCV05	CCV	03/11/25 15:00		Kareem	OK
64	CCB05	CCB05	CCB	03/11/25 15:04		Kareem	OK
65	Q1415-06MSD	B-173-GW01MSD	MSD	03/11/25 15:09		Kareem	OK
66	Q1415-06A	B-173-GW01A	PS	03/11/25 15:13		Kareem	OK
67	Q1534-01	OR-363-COMP-16	SAM	03/11/25 15:17		Kareem	OK
68	Q1534-07	OR-363-COMP-17	SAM	03/11/25 15:21		Kareem	OK
69	Q1534-13	OR-363-COMP-18	SAM	03/11/25 15:25		Kareem	OK
70	Q1534-19	OR-363-COMP-19	SAM	03/11/25 15:29		Kareem	OK
71	Q1535-01	SU-03-03102025	SAM	03/11/25 15:33		Kareem	OK
72	Q1535-01DUP	SU-03-03102025DUP	DUP	03/11/25 15:37		Kareem	OK
73	Q1535-01L	SU-03-03102025L	SD	03/11/25 15:41		Kareem	OK
74	Q1535-01MS	SU-03-03102025MS	MS	03/11/25 15:46		Kareem	OK
75	CCV06	CCV06	CCV	03/11/25 15:50		Kareem	OK
76	CCB06	CCB06	CCB	03/11/25 15:54		Kareem	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #5 2. N/A

Start Digest Date: 02/24/2025 Time : 12:05 Temp : 96 °C

End Digest Date: 02/24/2025 Time : 14:10 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6002
LFS-2	1.00	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP84041
Conc. HNO3	5.00	M6126
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6121
PTFE Boiling Stones	N/A	M5585
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 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/24/25 15:10	<i>[Signature]</i>	<i>[Signature]</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB166834BL	PBS834	N/A	2.37	100	Colorless	Colorless	Fine	N/A	N/A	1
PB166834BS	LCS834	N/A	2.25	100	Colorless	Colorless	Fine	N/A	M6002, M6011	2
Q1413-01MS	BU-2-022125MS	N/A	2.31	100	Brown	Yellow	Medium	N/A	M6002, M6011	5
Q1413-01MSD	BU-2-022125MSD	N/A	2.13	100	Brown	Yellow	Medium	N/A	M6002, M6011	6
Q1413-01DUP	BU-2-022125DUP	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	4
Q1413-01	BU-2-022125	N/A	2.34	100	Brown	Yellow	Medium	N/A	N/A	3
Q1415-01	B-163-SB01	N/A	2.11	100	Brown	Yellow	Medium	N/A	N/A	7
Q1415-02	B-172-SB01	N/A	2.38	100	Brown	Yellow	Medium	N/A	N/A	8
Q1415-03	B-163-SB02	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	9
Q1415-04	B-172-SB02	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	10
DOC-1	DOC Study	N/A	2.19	100	colorless	colorless	Fine	N/A	M6002, M6011	12
DOC-2	DOC Study	N/A	2.35	100	colorless	colorless	Fine	N/A	M6002, M6011	12
DOC-3	DOC Study	N/A	2.40	100	colorless	colorless	Fine	N/A	M6002, M6011	13
DOC-4	DOC Study	N/A	2.70	100	colorless	colorless	Fine	N/A	M6002, M6011	14

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID : ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 02/25/2025 Time : 09:10 Temp : 96 °C

End Digest Date: 02/25/2025 Time : 12:15 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *sls*

Supervisor Signature: *JP*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6002
LFS-1	0.25	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6126
1:1 HCL	5.00	MP84297
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL 55 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/25/25 13:15	<i>sls. met. lab.</i>	<i>JP / met. lab.</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB166859BL	PBW859	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB166859BS	LCS859	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	2
Q1415-05	FB02222025	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q1415-06	B-173-GW01	<2	50	50	Brown	Light Brown	Clear	Clear	N/A	7
Q1415-06MS	B-173-GW01MS	<2	50	50	Brown	Light Brown	Clear	Clear	M6002,M6011	5
Q1415-06MSD	B-173-GW01MSD	<2	50	50	Brown	Light Brown	Clear	Clear	M6002,M6011	6
Q1415-06DUP	B-173-GW01DUP	<2	50	50	Brown	Light Brown	Clear	Clear	N/A	4

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pipette ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

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

Start Digest Date: 02/25/2025 Time : 13:30 Temp : 95 °C

End Digest Date: 02/25/2025 Time : 14:00 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84626
CCV	30mL	MP84628
CRA	30mL	MP84630
Blank Spike	0.48mL	MP84619
Matrix Spike	0.48mL	MP84619

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP84632
KMnO4 (5%)	4.5mL	MP84564
Hydroxylamine HCL (12%)	2.0mL	MP84565
PTFE Boiling Stones	-----	M4583
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	MP84620
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84621
2.5 ppb	S2.5	30mL	MP84622
5.0 ppb	S5.0	30mL	MP84623
7.5 ppb	S7.5	30mL	MP84624
10.0 ppb	S10.0	30mL	MP84625
ICV	ICV	30mL	MP84626
ICB	ICB	30mL	MP84627
CCV	CCV	30mL	MP84628
CCB	CCB	30mL	MP84629
CRI	CRI	30mL	MP84630
CHK STD	CHK STD	30mL	MP84631

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/25/25 @ 14:40	MB - Dig. Lab	MB - Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB166864BL	PBS864	0.56	35	NA	N/A	N/A
PB166864BS	LCS864	0.54	35	NA	MP84619	N/A
Q1415-01	B-163-SB01	0.50	35	NA	N/A	N/A
Q1415-02	B-172-SB01	0.51	35	NA	N/A	N/A
Q1415-03	B-163-SB02	0.52	35	NA	N/A	N/A
Q1415-04	B-172-SB02	0.51	35	NA	N/A	N/A
Q1416-01	OK-01-022425	0.53	35	NA	N/A	N/A
Q1418-01	TR-06-02242025	0.50	35	NA	N/A	N/A
Q1420-01	TP-1-WC	0.50	35	NA	N/A	N/A
Q1420-05	TP-2-WC	0.54	35	NA	N/A	N/A
Q1421-01	P001-CLAY-CF01-01	0.50	35	NA	N/A	N/A
Q1421-01DUP	P001-CLAY-CF01-01DUP	0.51	35	NA	N/A	N/A
Q1421-02	Q1421-01MS	0.50	35	NA	MP84619	N/A
Q1421-03	Q1421-01MSD	0.52	35	NA	MP84619	N/A
Q1421-07	P001-CLAY-CF01-02	0.52	35	NA	N/A	N/A
Q1421-09	P001-CLAY-CF02-01	0.54	35	NA	N/A	N/A
Q1422-01	B-154-SB01	0.50	35	NA	N/A	N/A
Q1422-02	B-154-SB02	0.54	35	NA	N/A	N/A

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

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

Start Digest Date: 02/25/2025 Time : 13:10 Temp : 94 °C

End Digest Date: 02/25/2025 Time : 15:10 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *MB*

Supervisor Signature: *12*

Temp : 1. 94°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84626
CCV	30mL	MP84628
CRA	30mL	MP84630
Blank Spike	0.48mL	MP84619
Matrix Spike	0.48mL	MP84619

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP84563
KMnO4 (5%)	4.5mL	MP84564
K2S2O8 (5%)	2.5mL	MP84565
Hydroxylamine HCL (12%)	2.0mL	MP84566
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84620
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84621
2.5 ppb	S2.5	30mL	MP84622
5.0 ppb	S5.0	30mL	MP84623
7.5 ppb	S7.5	30mL	MP84624
10.0 ppb	S10.0	30mL	MP84625
ICV	ICV	30mL	MP84626
ICB	ICB	30mL	MP84627
CCV	CCV	30mL	MP84628
CCB	CCB	30mL	MP84629
CRI	CRI	30mL	MP84630
CHK STD	CHK STD	30mL	MP84631

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/25/25 15:40	<i>MB - 1519. 615</i>	<i>MB metal box</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB166869BL	PBW869	30	30	<2	N/A	3-1
PB166869BS	LCS869	30	30	<2	MP84619	2
Q1409-01DUP	SURFACE-WATER-1DUP	30	30	<2	N/A	4
Q1409-01MS	SURFACE-WATER-1MS	30	30	<2	MP84619	5
Q1409-01MSD	SURFACE-WATER-1MSD	30	30	<2	MP84619	6
Q1409-01	SURFACE-WATER-1	30	30	<2	N/A	3
Q1415-05	FB02222025	30	30	<2	N/A	7
Q1415-06	B-173-GW01	30	30	<2	N/A	8