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

SDG No.: Q1514 **Order ID:** Q1514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-105-SB01								
Q1514-01	ENV-105-SB01	SOIL	Aluminum	5600		2.18	4.53	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Arsenic	3.95		0.26	0.91	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Barium	100		0.58	4.53	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Beryllium	0.45		0.011	0.27	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Cadmium	0.041	J	0.014	0.27	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Calcium	16200		2.54	90.6	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Chromium	19.4		0.049	0.45	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Cobalt	8.72		0.053	1.36	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Copper	64.1		0.43	0.91	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Iron	16900		2.44	4.53	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Lead	1050		0.14	0.54	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Magnesium	3270		3.11	90.6	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Manganese	227		0.064	0.91	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Mercury	1.73	D	0.033	0.073	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Nickel	20.6		0.082	1.81	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Potassium	1220		26.0	90.6	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Sodium	291		32.7	90.6	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Vanadium	24.1		0.25	1.81	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Zinc	139		0.10	1.81	mg/Kg
Client ID : ENV-105-SB02								
Q1514-03	ENV-105-SB02	SOIL	Aluminum	3260		2.56	5.32	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Arsenic	2.08		0.31	1.06	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Barium	18.7		0.68	5.32	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Beryllium	0.38		0.013	0.32	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Calcium	909		2.98	106	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Chromium	6.40		0.057	0.53	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Cobalt	5.36		0.062	1.60	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Copper	12.9		0.50	1.06	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Iron	10900		2.86	5.32	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Lead	19.1		0.16	0.64	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Magnesium	1090		3.65	106	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Manganese	56.4		0.076	1.06	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Mercury	0.39		0.0070	0.015	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Nickel	9.52		0.096	2.13	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Potassium	314		30.5	106	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Sodium	51.3	J	38.4	106	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Vanadium	11.5		0.29	2.13	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1514-03	ENV-105-SB02	SOIL	Zinc	40.4		0.12	2.13	mg/Kg
Client ID :	**ENV-103-SB01**							
Q1514-05	ENV-103-SB01	SOIL	Aluminum	6210		2.36	4.90	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Arsenic	2.40		0.28	0.98	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Barium	31.7		0.63	4.90	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Beryllium	0.50		0.012	0.29	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Cadmium	0.71		0.016	0.29	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Calcium	6460		2.74	98.0	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Chromium	28.4		0.053	0.49	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Cobalt	10.9		0.057	1.47	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Copper	37.4		0.46	0.98	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Iron	14400		2.64	4.90	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Lead	17.0		0.15	0.59	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Magnesium	4650		3.36	98.0	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Manganese	140		0.070	0.98	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Mercury	0.035		0.0060	0.014	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Nickel	19.1		0.088	1.96	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Potassium	1810		28.1	98.0	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Sodium	192		35.4	98.0	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Vanadium	19.2		0.27	1.96	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Zinc	31.0		0.11	1.96	mg/Kg
Client ID :	**ENV-105-GW01**							
Q1514-07	ENV-105-GW01	Water	Aluminum	304000		28.3	50.0	ug/L
Q1514-07	ENV-105-GW01	Water	Arsenic	272		3.48	10.0	ug/L
Q1514-07	ENV-105-GW01	Water	Barium	7040		6.28	50.0	ug/L
Q1514-07	ENV-105-GW01	Water	Beryllium	23.8		0.13	3.00	ug/L
Q1514-07	ENV-105-GW01	Water	Cadmium	240		0.094	3.00	ug/L
Q1514-07	ENV-105-GW01	Water	Calcium	2820000	D	330	10000	ug/L
Q1514-07	ENV-105-GW01	Water	Chromium	760		0.66	5.00	ug/L
Q1514-07	ENV-105-GW01	Water	Cobalt	657		0.50	15.0	ug/L
Q1514-07	ENV-105-GW01	Water	Copper	11300		7.07	10.0	ug/L
Q1514-07	ENV-105-GW01	Water	Iron	1240000	D	185	500	ug/L
Q1514-07	ENV-105-GW01	Water	Lead	121000		3.51	6.00	ug/L
Q1514-07	ENV-105-GW01	Water	Magnesium	140000		39.4	1000	ug/L
Q1514-07	ENV-105-GW01	Water	Manganese	11800		1.46	10.0	ug/L
Q1514-07	ENV-105-GW01	Water	Mercury	67.0	D	0.81	2.00	ug/L
Q1514-07	ENV-105-GW01	Water	Nickel	1980		0.85	20.0	ug/L
Q1514-07	ENV-105-GW01	Water	Potassium	76100		685	1000	ug/L
Q1514-07	ENV-105-GW01	Water	Sodium	50100		237	1000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1514-07	ENV-105-GW01	Water	Vanadium	741		3.06	20.0	ug/L
Q1514-07	ENV-105-GW01	Water	Zinc	9130		1.75	20.0	ug/L
Client ID :	**ENV-103-GW01**							
Q1514-08	ENV-103-GW01	Water	Aluminum	44700		28.3	50.0	ug/L
Q1514-08	ENV-103-GW01	Water	Arsenic	14.9		3.48	10.0	ug/L
Q1514-08	ENV-103-GW01	Water	Barium	289		6.28	50.0	ug/L
Q1514-08	ENV-103-GW01	Water	Beryllium	3.38		0.13	3.00	ug/L
Q1514-08	ENV-103-GW01	Water	Cadmium	1.60	J	0.094	3.00	ug/L
Q1514-08	ENV-103-GW01	Water	Calcium	277000		33.0	1000	ug/L
Q1514-08	ENV-103-GW01	Water	Chromium	158		0.66	5.00	ug/L
Q1514-08	ENV-103-GW01	Water	Cobalt	75.0		0.50	15.0	ug/L
Q1514-08	ENV-103-GW01	Water	Copper	220		7.07	10.0	ug/L
Q1514-08	ENV-103-GW01	Water	Iron	89200		18.5	50.0	ug/L
Q1514-08	ENV-103-GW01	Water	Lead	135		3.51	6.00	ug/L
Q1514-08	ENV-103-GW01	Water	Magnesium	40500		39.4	1000	ug/L
Q1514-08	ENV-103-GW01	Water	Manganese	2930		1.46	10.0	ug/L
Q1514-08	ENV-103-GW01	Water	Mercury	0.52		0.081	0.20	ug/L
Q1514-08	ENV-103-GW01	Water	Nickel	125		0.85	20.0	ug/L
Q1514-08	ENV-103-GW01	Water	Potassium	36200		685	1000	ug/L
Q1514-08	ENV-103-GW01	Water	Sodium	403000		237	1000	ug/L
Q1514-08	ENV-103-GW01	Water	Vanadium	122		3.06	20.0	ug/L
Q1514-08	ENV-103-GW01	Water	Zinc	259		1.75	20.0	ug/L
Client ID :	**FB03062025**							
Q1514-09	FB03062025	Water	Calcium	57.7	J	33.0	1000	ug/L
Q1514-09	FB03062025	Water	Iron	23.4	J	18.5	50.0	ug/L
Q1514-09	FB03062025	Water	Manganese	1.53	J	1.46	10.0	ug/L
Q1514-09	FB03062025	Water	Zinc	4.80	J	1.75	20.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5600		1	2.18	4.53	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.26	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-38-2	Arsenic	3.95		1	0.26	0.91	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-39-3	Barium	100	N	1	0.58	4.53	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-41-7	Beryllium	0.45	N	1	0.011	0.27	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-43-9	Cadmium	0.041	J	1	0.014	0.27	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-70-2	Calcium	16200		1	2.54	90.6	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-47-3	Chromium	19.4		1	0.049	0.45	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-48-4	Cobalt	8.72		1	0.053	1.36	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-50-8	Copper	64.1		1	0.43	0.91	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-89-6	Iron	16900		1	2.44	4.53	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-92-1	Lead	1050	N	1	0.14	0.54	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-95-4	Magnesium	3270		1	3.11	90.6	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-96-5	Manganese	227		1	0.064	0.91	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-97-6	Mercury	1.73	D	5	0.033	0.073	mg/Kg	03/10/25 09:25	03/11/25 09:48	SW7471B	
7440-02-0	Nickel	20.6		1	0.082	1.81	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-09-7	Potassium	1220	N	1	26.0	90.6	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.91	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-22-4	Silver	0.047	U	1	0.047	0.45	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-23-5	Sodium	291		1	32.7	90.6	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.81	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-62-2	Vanadium	24.1		1	0.25	1.81	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-66-6	Zinc	139		1	0.10	1.81	mg/Kg	03/07/25 09:20	03/13/25 15:55	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	81

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3260		1	2.56	5.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.66	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-38-2	Arsenic	2.08		1	0.31	1.06	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-39-3	Barium	18.7	N	1	0.68	5.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-41-7	Beryllium	0.38	N	1	0.013	0.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-43-9	Cadmium	0.017	U	1	0.017	0.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-70-2	Calcium	909		1	2.98	106	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-47-3	Chromium	6.40		1	0.057	0.53	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-48-4	Cobalt	5.36		1	0.062	1.60	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-50-8	Copper	12.9		1	0.50	1.06	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-89-6	Iron	10900		1	2.86	5.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-92-1	Lead	19.1	N	1	0.16	0.64	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-95-4	Magnesium	1090		1	3.65	106	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-96-5	Manganese	56.4		1	0.076	1.06	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-97-6	Mercury	0.39		1	0.0070	0.015	mg/Kg	03/10/25 09:25	03/11/25 09:15	SW7471B	
7440-02-0	Nickel	9.52		1	0.096	2.13	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-09-7	Potassium	314	N	1	30.5	106	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7782-49-2	Selenium	0.35	UN	1	0.35	1.06	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-22-4	Silver	0.055	U	1	0.055	0.53	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-23-5	Sodium	51.3	J	1	38.4	106	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-28-0	Thallium	0.47	U	1	0.47	2.13	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-62-2	Vanadium	11.5		1	0.29	2.13	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-66-6	Zinc	40.4		1	0.12	2.13	mg/Kg	03/07/25 09:20	03/13/25 15:59	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.
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6210		1	2.36	4.90	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-36-0	Antimony	0.15	UN	1	0.15	2.45	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-38-2	Arsenic	2.40		1	0.28	0.98	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-39-3	Barium	31.7	N	1	0.63	4.90	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-41-7	Beryllium	0.50	N	1	0.012	0.29	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-43-9	Cadmium	0.71		1	0.016	0.29	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-70-2	Calcium	6460		1	2.74	98.0	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-47-3	Chromium	28.4		1	0.053	0.49	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-48-4	Cobalt	10.9		1	0.057	1.47	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-50-8	Copper	37.4		1	0.46	0.98	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-89-6	Iron	14400		1	2.64	4.90	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-92-1	Lead	17.0	N	1	0.15	0.59	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-95-4	Magnesium	4650		1	3.36	98.0	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-96-5	Manganese	140		1	0.070	0.98	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-97-6	Mercury	0.035		1	0.0060	0.014	mg/Kg	03/10/25 09:25	03/11/25 09:18	SW7471B	
7440-02-0	Nickel	19.1		1	0.088	1.96	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-09-7	Potassium	1810	N	1	28.1	98.0	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7782-49-2	Selenium	0.32	UN	1	0.32	0.98	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-22-4	Silver	0.051	U	1	0.051	0.49	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-23-5	Sodium	192		1	35.4	98.0	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-28-0	Thallium	0.43	U	1	0.43	1.96	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-62-2	Vanadium	19.2		1	0.27	1.96	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-66-6	Zinc	31.0		1	0.11	1.96	mg/Kg	03/07/25 09:20	03/13/25 16:03	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	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	304000		1	28.3	50.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-38-2	Arsenic	272		1	3.48	10.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-39-3	Barium	7040		1	6.28	50.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-41-7	Beryllium	23.8		1	0.13	3.00	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-43-9	Cadmium	240		1	0.094	3.00	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-70-2	Calcium	2820000	D	10	330	10000	ug/L	03/10/25 08:55	03/13/25 18:08	SW6010	SW3010
7440-47-3	Chromium	760		1	0.66	5.00	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-48-4	Cobalt	657		1	0.50	15.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-50-8	Copper	11300		1	7.07	10.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7439-89-6	Iron	1240000	D	10	185	500	ug/L	03/10/25 08:55	03/13/25 18:08	SW6010	SW3010
7439-92-1	Lead	121000		1	3.51	6.00	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7439-95-4	Magnesium	140000		1	39.4	1000	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7439-96-5	Manganese	11800		1	1.46	10.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7439-97-6	Mercury	67.0	D	10	0.81	2.00	ug/L	03/07/25 14:40	03/10/25 13:08	SW7470A	
7440-02-0	Nickel	1980		1	0.85	20.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-09-7	Potassium	76100		1	685	1000	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-22-4	Silver	5.80	UD	10	5.80	50.0	ug/L	03/10/25 08:55	03/13/25 18:08	SW6010	SW3010
7440-23-5	Sodium	50100		1	237	1000	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-62-2	Vanadium	741		1	3.06	20.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-66-6	Zinc	9130		1	1.75	20.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	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	44700		1	28.3	50.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-38-2	Arsenic	14.9		1	3.48	10.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-39-3	Barium	289		1	6.28	50.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-41-7	Beryllium	3.38		1	0.13	3.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-43-9	Cadmium	1.60	J	1	0.094	3.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-70-2	Calcium	277000		1	33.0	1000	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-47-3	Chromium	158		1	0.66	5.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-48-4	Cobalt	75.0		1	0.50	15.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-50-8	Copper	220		1	7.07	10.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-89-6	Iron	89200		1	18.5	50.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-92-1	Lead	135		1	3.51	6.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-95-4	Magnesium	40500		1	39.4	1000	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-96-5	Manganese	2930		1	1.46	10.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-97-6	Mercury	0.52		1	0.081	0.20	ug/L	03/07/25 14:40	03/10/25 12:35	SW7470A	
7440-02-0	Nickel	125		1	0.85	20.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-09-7	Potassium	36200		1	685	1000	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-23-5	Sodium	403000		1	237	1000	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-62-2	Vanadium	122		1	3.06	20.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-66-6	Zinc	259		1	1.75	20.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	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
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N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	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	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-39-3	Barium	6.28	U	1	6.28	50.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-70-2	Calcium	57.7	J	1	33.0	1000	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-47-3	Chromium	0.66	U	1	0.66	5.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-89-6	Iron	23.4	J	1	18.5	50.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-95-4	Magnesium	39.4	U	1	39.4	1000	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-96-5	Manganese	1.53	J	1	1.46	10.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	03/07/25 14:40	03/10/25 12:38	SW7470A	
7440-02-0	Nickel	0.85	U	1	0.85	20.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-09-7	Potassium	685	U	1	685	1000	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-23-5	Sodium	237	U	1	237	1000	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-66-6	Zinc	4.80	J	1	1.75	20.0	ug/L	03/10/25 08:55	03/13/25 15:51	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
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB35	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	10:26	LB134958

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	10:39	LB134958
CCB76	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	11:11	LB134958
CCB77	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	11:53	LB134958
CCB78	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	12:26	LB134958
CCB79	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	12:47	LB134958
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	13:12	LB134958

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	08:39	LB134978

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	08:43	LB134978
CCB81	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	09:22	LB134978
CCB82	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	09:53	LB134978
CCB83	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	10:01	LB134978

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	11:01	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	11:01	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	11:01	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:01	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:01	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	11:01	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	11:01	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	11:01	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	11:01	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	11:01	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	11:01	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	11:01	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	11:01	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	11:01	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	11:34	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	11:34	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	11:34	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:34	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:34	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	11:34	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	11:34	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	11:34	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	11:34	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	11:34	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	11:34	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	11:34	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	11:34	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	11:34	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
CCB02	Aluminum	100	+/-100	U	100	P	03/12/2025	12:24	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	12:24	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	12:24	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	12:24	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	12:24	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	12:24	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	12:24	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	12:24	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	12:24	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	12:24	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	12:24	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	12:24	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	12:24	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	12:24	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
CCB03	Aluminum	100	+/-100	U	100	P	03/12/2025	13:14	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	13:14	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	13:14	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	13:14	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	13:14	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	13:14	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	13:14	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	13:14	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	13:14	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	13:14	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	13:14	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	13:14	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	13:14	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	13:14	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
CCB04	Aluminum	100	+/-100	U	100	P	03/12/2025	14:28	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	14:28	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	14:28	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	14:28	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	14:28	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	14:28	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	14:28	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	14:28	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	14:28	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	14:28	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	14:28	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	14:28	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	14:28	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	14:28	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
CCB05	Aluminum	100	+/-100	U	100	P	03/12/2025	15:29	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	15:29	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	15:29	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	15:29	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	15:29	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	15:29	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	15:29	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	15:29	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	15:29	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	15:29	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	15:29	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	15:29	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	15:29	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	15:29	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
CCB06	Aluminum	100	+/-100	U	100	P	03/12/2025	16:30	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	16:30	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	16:30	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	16:30	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	16:30	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	16:30	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	16:30	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	16:30	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	16:30	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	16:30	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	16:30	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	16:30	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	16:30	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	16:30	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
CCB07	Aluminum	100	+/-100	U	100	P	03/12/2025	17:30	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	17:30	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	17:30	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	17:30	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	17:30	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	17:30	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	17:30	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	17:30	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	17:30	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	17:30	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	17:30	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	17:30	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	17:30	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	17:30	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
CCB08	Aluminum	100	+/-100	U	100	P	03/12/2025	18:27	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	18:27	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	18:27	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	18:27	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:27	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:27	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	18:27	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	18:27	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	18:27	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	18:27	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	18:27	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	18:27	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	18:27	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	18:27	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	18:27	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
CCB09	Aluminum	100	+/-100	U	100	P	03/12/2025	18:53	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	18:53	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	18:53	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:53	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:53	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	18:53	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	18:53	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	18:53	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	18:53	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	18:53	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	18:53	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	18:53	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	18:53	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	18:53	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	18:53	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	18:53	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	18:53	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	18:53	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	12:17	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	12:17	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	12:17	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:17	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:17	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	12:17	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	12:17	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	12:17	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	12:17	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	12:17	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	12:17	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	12:17	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	12:17	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	12:17	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	12:17	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	12:17	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	12:17	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	12:17	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	12:58	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	12:58	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	12:58	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:58	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:58	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	12:58	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	12:58	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	12:58	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	12:58	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	12:58	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	12:58	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	12:58	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	12:58	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	12:58	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	12:58	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	12:58	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	12:58	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	12:58	LB135035
CCB02	Aluminum	100	+/-100	U	100	P	03/13/2025	13:54	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	13:54	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	13:54	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	13:54	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	13:54	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	13:54	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	13:54	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	13:54	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	13:54	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	13:54	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	13:54	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	13:54	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	13:54	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	13:54	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	13:54	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	13:54	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	13:54	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	13:54	LB135035
CCB03	Aluminum	100	+/-100	U	100	P	03/13/2025	14:48	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	14:48	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	14:48	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	14:48	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	14:48	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	14:48	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	14:48	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	14:48	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	14:48	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	14:48	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	14:48	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	14:48	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	14:48	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	14:48	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	14:48	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	14:48	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	14:48	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	14:48	LB135035
CCB04	Aluminum	100	+/-100	U	100	P	03/13/2025	15:42	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	15:42	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	15:42	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	15:42	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	15:42	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	15:42	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	15:42	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	15:42	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	15:42	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	15:42	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	15:42	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	15:42	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	15:42	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	15:42	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	15:42	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	15:42	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	15:42	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	15:42	LB135035
CCB05	Aluminum	100	+/-100	U	100	P	03/13/2025	16:32	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	16:32	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	16:32	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	16:32	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	16:32	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	16:32	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	16:32	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	16:32	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	16:32	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	16:32	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	16:32	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	16:32	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	16:32	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	16:32	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	16:32	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	16:32	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	16:32	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	16:32	LB135035
CCB06	Aluminum	100	+/-100	U	100	P	03/13/2025	17:25	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	17:25	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	17:25	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	17:25	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	17:25	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	17:25	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	17:25	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	17:25	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	17:25	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	17:25	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	17:25	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	17:25	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	17:25	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	17:25	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	17:25	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	17:25	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	17:25	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	17:25	LB135035
CCB07	Aluminum	100	+/-100	U	100	P	03/13/2025	18:35	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	18:35	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	18:35	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	18:35	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	18:35	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	18:35	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	18:35	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	18:35	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Iron	45.6	+/-100	J	100	P	03/13/2025	18:35	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	18:35	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	18:35	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	18:35	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	18:35	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	18:35	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	18:35	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	18:35	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	18:35	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	18:35	LB135035
CCB08	Aluminum	100	+/-100	U	100	P	03/13/2025	19:03	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	19:03	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	19:03	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	19:03	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:03	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:03	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	19:03	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	19:03	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	19:03	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	19:03	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	19:03	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	19:03	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	19:03	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	19:03	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	19:03	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	19:03	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	19:03	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	19:03	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	19:03	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	19:03	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	19:03	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	19:03	LB135035
CCB09	Aluminum	100	+/-100	U	100	P	03/13/2025	19:21	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	19:21	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	19:21	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:21	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:21	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	19:21	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	19:21	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	19:21	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	19:21	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	19:21	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	19:21	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	19:21	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	19:21	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	19:21	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	19:21	LB135035

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	19:21	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	19:21	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	19:21	LB135035

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167034BL		**WATER**		**Batch Number:**	**PB167034**		**Prep Date:**	**03/07/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	03/10/2025	11:59	LB134958

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167064BL		**SOLID**		**Batch Number:**	**PB167064**		**Prep Date:**	**03/10/2025**	
	Mercury	0.013	<0.013	U	0.013	CV	03/11/2025	09:01	LB134978

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167024BL		**SOLID**		**Batch Number:**	**PB167024**		**Prep Date:**	**03/07/2025**	
	Aluminum	4.33	<4.33	U	4.33	P	03/12/2025	12:03	LB135011
	Antimony	2.16	<2.16	U	2.16	P	03/12/2025	12:03	LB135011
	Arsenic	0.87	<0.87	U	0.87	P	03/12/2025	12:03	LB135011
	Barium	4.33	<4.33	U	4.33	P	03/12/2025	12:03	LB135011
	Beryllium	0.26	<0.26	U	0.26	P	03/12/2025	12:03	LB135011
	Cadmium	0.26	<0.26	U	0.26	P	03/12/2025	12:03	LB135011
	Calcium	86.6	<86.6	U	86.6	P	03/12/2025	12:03	LB135011
	Chromium	0.43	<0.43	U	0.43	P	03/12/2025	12:03	LB135011
	Cobalt	1.30	<1.30	U	1.30	P	03/12/2025	12:03	LB135011
	Copper	0.87	<0.87	U	0.87	P	03/12/2025	12:03	LB135011
	Iron	4.33	<4.33	U	4.33	P	03/12/2025	12:03	LB135011
	Lead	0.52	<0.52	U	0.52	P	03/12/2025	12:03	LB135011
	Magnesium	86.6	<86.6	U	86.6	P	03/12/2025	12:03	LB135011
	Manganese	0.87	<0.87	U	0.87	P	03/12/2025	12:03	LB135011
	Nickel	1.73	<1.73	U	1.73	P	03/12/2025	12:03	LB135011
	Potassium	86.6	<86.6	U	86.6	P	03/12/2025	12:03	LB135011
	Selenium	0.87	<0.87	U	0.87	P	03/12/2025	12:03	LB135011
	Silver	0.43	<0.43	U	0.43	P	03/12/2025	12:03	LB135011
	Sodium	86.6	<86.6	U	86.6	P	03/12/2025	12:03	LB135011
	Thallium	1.73	<1.73	U	1.73	P	03/12/2025	12:03	LB135011
	Vanadium	1.73	<1.73	U	1.73	P	03/12/2025	12:03	LB135011
	Zinc	1.73	<1.73	U	1.73	P	03/12/2025	12:03	LB135011

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167038BL		**WATER**		**Batch Number:**	**PB167038**		**Prep Date:**	**03/10/2025**	
	Aluminum	50.0	<50.0	U	50.0	P	03/12/2025	11:55	LB135011
	Antimony	25.0	<25.0	U	25.0	P	03/12/2025	11:55	LB135011
	Arsenic	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
	Barium	50.0	<50.0	U	50.0	P	03/12/2025	11:55	LB135011
	Beryllium	3.00	<3.00	U	3.00	P	03/12/2025	11:55	LB135011
	Cadmium	3.00	<3.00	U	3.00	P	03/12/2025	11:55	LB135011
	Calcium	1000	<1000	U	1000	P	03/12/2025	11:55	LB135011
	Chromium	5.00	<5.00	U	5.00	P	03/12/2025	11:55	LB135011
	Cobalt	15.0	<15.0	U	15.0	P	03/12/2025	11:55	LB135011
	Copper	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
	Iron	50.0	<50.0	U	50.0	P	03/12/2025	11:55	LB135011
	Lead	6.00	<6.00	U	6.00	P	03/12/2025	11:55	LB135011
	Magnesium	1000	<1000	U	1000	P	03/12/2025	11:55	LB135011
	Manganese	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
	Nickel	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Instrument: P4

Potassium	1000	<1000	U	1000	P	03/12/2025	11:55	LB135011
Selenium	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
Silver	5.00	<5.00	U	5.00	P	03/12/2025	11:55	LB135011
Sodium	1000	<1000	U	1000	P	03/12/2025	11:55	LB135011
Thallium	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011
Vanadium	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011
Zinc	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
ICV35	Mercury	4.01	4.0	100	90 - 110	CV	03/10/2025	10:22	LB134958

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
CCV75	Mercury	4.61	5.0	92	90 - 110	CV	03/10/2025	10:34	LB134958
CCV76	Mercury	4.87	5.0	97	90 - 110	CV	03/10/2025	11:09	LB134958
CCV77	Mercury	5.16	5.0	103	90 - 110	CV	03/10/2025	11:48	LB134958
CCV78	Mercury	5.20	5.0	104	90 - 110	CV	03/10/2025	12:18	LB134958
CCV79	Mercury	5.06	5.0	101	90 - 110	CV	03/10/2025	12:45	LB134958
CCV80	Mercury	5.43	5.0	109	90 - 110	CV	03/10/2025	13:10	LB134958

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
ICV36	Mercury	3.85	4.0	96	90 - 110	CV	03/11/2025	08:34	LB134978

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
CCV80	Mercury	5.13	5.0	103	90 - 110	CV	03/11/2025	08:41	LB134978
CCV81	Mercury	4.91	5.0	98	90 - 110	CV	03/11/2025	09:20	LB134978
CCV82	Mercury	5.13	5.0	103	90 - 110	CV	03/11/2025	09:51	LB134978
CCV83	Mercury	5.00	5.0	100	90 - 110	CV	03/11/2025	09:58	LB134978

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	10:52	LB135011
	Antimony	1020	1000	102	90 - 110	P	03/12/2025	10:52	LB135011
	Arsenic	1050	1000	105	90 - 110	P	03/12/2025	10:52	LB135011
	Barium	537	520	103	90 - 110	P	03/12/2025	10:52	LB135011
	Beryllium	537	510	105	90 - 110	P	03/12/2025	10:52	LB135011
	Cadmium	506	510	99	90 - 110	P	03/12/2025	10:52	LB135011
	Calcium	10000	10000	100	90 - 110	P	03/12/2025	10:52	LB135011
	Chromium	541	520	104	90 - 110	P	03/12/2025	10:52	LB135011
	Cobalt	514	520	99	90 - 110	P	03/12/2025	10:52	LB135011
	Copper	532	510	104	90 - 110	P	03/12/2025	10:52	LB135011
	Iron	10400	10000	104	90 - 110	P	03/12/2025	10:52	LB135011
	Lead	1020	1000	102	90 - 110	P	03/12/2025	10:52	LB135011
	Magnesium	5900	6000	98	90 - 110	P	03/12/2025	10:52	LB135011
	Manganese	508	520	98	90 - 110	P	03/12/2025	10:52	LB135011
	Nickel	517	530	98	90 - 110	P	03/12/2025	10:52	LB135011
	Potassium	10200	9900	103	90 - 110	P	03/12/2025	10:52	LB135011
	Selenium	1050	1000	105	90 - 110	P	03/12/2025	10:52	LB135011
	Silver	262	250	105	90 - 110	P	03/12/2025	10:52	LB135011
	Sodium	10300	10000	103	90 - 110	P	03/12/2025	10:52	LB135011
	Thallium	1090	1000	109	90 - 110	P	03/12/2025	10:52	LB135011
	Vanadium	519	500	104	90 - 110	P	03/12/2025	10:52	LB135011
	Zinc	1050	1000	105	90 - 110	P	03/12/2025	10:52	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	110	100	110	80 - 120	P	03/12/2025	10:56	LB135011
	Antimony	50.7	50.0	101	80 - 120	P	03/12/2025	10:56	LB135011
	Arsenic	22.2	20.0	111	80 - 120	P	03/12/2025	10:56	LB135011
	Barium	89.2	100	89	80 - 120	P	03/12/2025	10:56	LB135011
	Beryllium	5.80	6.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Cadmium	5.83	6.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Calcium	1960	2000	98	80 - 120	P	03/12/2025	10:56	LB135011
	Chromium	10.6	10.0	106	80 - 120	P	03/12/2025	10:56	LB135011
	Cobalt	29.3	30.0	98	80 - 120	P	03/12/2025	10:56	LB135011
	Copper	22.9	20.0	114	80 - 120	P	03/12/2025	10:56	LB135011
	Iron	114	100	114	80 - 120	P	03/12/2025	10:56	LB135011
	Lead	11.7	12.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Magnesium	2060	2000	103	80 - 120	P	03/12/2025	10:56	LB135011
	Manganese	19.5	20.0	98	80 - 120	P	03/12/2025	10:56	LB135011
	Nickel	38.7	40.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Potassium	1930	2000	96	80 - 120	P	03/12/2025	10:56	LB135011
	Selenium	17.5	20.0	87	80 - 120	P	03/12/2025	10:56	LB135011
	Silver	11.0	10.0	110	80 - 120	P	03/12/2025	10:56	LB135011
	Sodium	2050	2000	102	80 - 120	P	03/12/2025	10:56	LB135011
	Thallium	41.6	40.0	104	80 - 120	P	03/12/2025	10:56	LB135011
	Vanadium	40.0	40.0	100	80 - 120	P	03/12/2025	10:56	LB135011
	Zinc	42.6	40.0	106	80 - 120	P	03/12/2025	10:56	LB135011

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	11:29	LB135011
	Antimony	5040	5000	101	90 - 110	P	03/12/2025	11:29	LB135011
	Arsenic	5210	5000	104	90 - 110	P	03/12/2025	11:29	LB135011
	Barium	9300	10000	93	90 - 110	P	03/12/2025	11:29	LB135011
	Beryllium	244	250	98	90 - 110	P	03/12/2025	11:29	LB135011
	Cadmium	2470	2500	99	90 - 110	P	03/12/2025	11:29	LB135011
	Calcium	23800	25000	95	90 - 110	P	03/12/2025	11:29	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	11:29	LB135011
	Cobalt	2460	2500	98	90 - 110	P	03/12/2025	11:29	LB135011
	Copper	1260	1250	101	90 - 110	P	03/12/2025	11:29	LB135011
	Iron	4790	5000	96	90 - 110	P	03/12/2025	11:29	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	11:29	LB135011
	Magnesium	23800	25000	95	90 - 110	P	03/12/2025	11:29	LB135011
	Manganese	2350	2500	94	90 - 110	P	03/12/2025	11:29	LB135011
	Nickel	2450	2500	98	90 - 110	P	03/12/2025	11:29	LB135011
	Potassium	24100	25000	96	90 - 110	P	03/12/2025	11:29	LB135011
	Selenium	5000	5000	100	90 - 110	P	03/12/2025	11:29	LB135011
	Silver	1260	1250	101	90 - 110	P	03/12/2025	11:29	LB135011
	Sodium	26200	25000	105	90 - 110	P	03/12/2025	11:29	LB135011
	Thallium	5020	5000	100	90 - 110	P	03/12/2025	11:29	LB135011
	Vanadium	2430	2500	97	90 - 110	P	03/12/2025	11:29	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	11:29	LB135011
CCV02	Aluminum	10100	10000	101	90 - 110	P	03/12/2025	12:20	LB135011
	Antimony	5230	5000	105	90 - 110	P	03/12/2025	12:20	LB135011
	Arsenic	5150	5000	103	90 - 110	P	03/12/2025	12:20	LB135011
	Barium	9180	10000	92	90 - 110	P	03/12/2025	12:20	LB135011
	Beryllium	245	250	98	90 - 110	P	03/12/2025	12:20	LB135011
	Cadmium	2480	2500	99	90 - 110	P	03/12/2025	12:20	LB135011
	Calcium	23800	25000	95	90 - 110	P	03/12/2025	12:20	LB135011
	Chromium	1070	1000	107	90 - 110	P	03/12/2025	12:20	LB135011
	Cobalt	2470	2500	99	90 - 110	P	03/12/2025	12:20	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	12:20	LB135011
	Iron	4890	5000	98	90 - 110	P	03/12/2025	12:20	LB135011
	Lead	5010	5000	100	90 - 110	P	03/12/2025	12:20	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	23900	25000	96	90 - 110	P	03/12/2025	12:20	LB135011
	Manganese	2320	2500	93	90 - 110	P	03/12/2025	12:20	LB135011
	Nickel	2460	2500	98	90 - 110	P	03/12/2025	12:20	LB135011
	Potassium	24700	25000	99	90 - 110	P	03/12/2025	12:20	LB135011
	Selenium	5180	5000	104	90 - 110	P	03/12/2025	12:20	LB135011
	Silver	1280	1250	103	90 - 110	P	03/12/2025	12:20	LB135011
	Sodium	26900	25000	107	90 - 110	P	03/12/2025	12:20	LB135011
	Thallium	5230	5000	105	90 - 110	P	03/12/2025	12:20	LB135011
	Vanadium	2430	2500	97	90 - 110	P	03/12/2025	12:20	LB135011
	Zinc	2600	2500	104	90 - 110	P	03/12/2025	12:20	LB135011
CCV03	Aluminum	10200	10000	102	90 - 110	P	03/12/2025	13:10	LB135011
	Antimony	5190	5000	104	90 - 110	P	03/12/2025	13:10	LB135011
	Arsenic	5100	5000	102	90 - 110	P	03/12/2025	13:10	LB135011
	Barium	9270	10000	93	90 - 110	P	03/12/2025	13:10	LB135011
	Beryllium	255	250	102	90 - 110	P	03/12/2025	13:10	LB135011
	Cadmium	2480	2500	99	90 - 110	P	03/12/2025	13:10	LB135011
	Calcium	23800	25000	95	90 - 110	P	03/12/2025	13:10	LB135011
	Chromium	1060	1000	106	90 - 110	P	03/12/2025	13:10	LB135011
	Cobalt	2480	2500	99	90 - 110	P	03/12/2025	13:10	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	13:10	LB135011
	Iron	4740	5000	95	90 - 110	P	03/12/2025	13:10	LB135011
	Lead	5000	5000	100	90 - 110	P	03/12/2025	13:10	LB135011
	Magnesium	24000	25000	96	90 - 110	P	03/12/2025	13:10	LB135011
	Manganese	2340	2500	94	90 - 110	P	03/12/2025	13:10	LB135011
	Nickel	2480	2500	99	90 - 110	P	03/12/2025	13:10	LB135011
	Potassium	23900	25000	96	90 - 110	P	03/12/2025	13:10	LB135011
	Selenium	5090	5000	102	90 - 110	P	03/12/2025	13:10	LB135011
	Silver	1290	1250	103	90 - 110	P	03/12/2025	13:10	LB135011
	Sodium	26200	25000	105	90 - 110	P	03/12/2025	13:10	LB135011
	Thallium	5210	5000	104	90 - 110	P	03/12/2025	13:10	LB135011
	Vanadium	2440	2500	98	90 - 110	P	03/12/2025	13:10	LB135011
	Zinc	2600	2500	104	90 - 110	P	03/12/2025	13:10	LB135011
CCV04	Aluminum	9980	10000	100	90 - 110	P	03/12/2025	14:24	LB135011
	Antimony	5180	5000	104	90 - 110	P	03/12/2025	14:24	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	5330	5000	107	90 - 110	P	03/12/2025	14:24	LB135011
	Barium	9270	10000	93	90 - 110	P	03/12/2025	14:24	LB135011
	Beryllium	240	250	96	90 - 110	P	03/12/2025	14:24	LB135011
	Cadmium	2500	2500	100	90 - 110	P	03/12/2025	14:24	LB135011
	Calcium	23800	25000	95	90 - 110	P	03/12/2025	14:24	LB135011
	Chromium	1060	1000	106	90 - 110	P	03/12/2025	14:24	LB135011
	Cobalt	2490	2500	100	90 - 110	P	03/12/2025	14:24	LB135011
	Copper	1290	1250	103	90 - 110	P	03/12/2025	14:24	LB135011
	Iron	4970	5000	100	90 - 110	P	03/12/2025	14:24	LB135011
	Lead	5090	5000	102	90 - 110	P	03/12/2025	14:24	LB135011
	Magnesium	24000	25000	96	90 - 110	P	03/12/2025	14:24	LB135011
	Manganese	2310	2500	92	90 - 110	P	03/12/2025	14:24	LB135011
	Nickel	2490	2500	100	90 - 110	P	03/12/2025	14:24	LB135011
	Potassium	25200	25000	101	90 - 110	P	03/12/2025	14:24	LB135011
	Selenium	5140	5000	103	90 - 110	P	03/12/2025	14:24	LB135011
	Silver	1280	1250	103	90 - 110	P	03/12/2025	14:24	LB135011
	Sodium	26700	25000	107	90 - 110	P	03/12/2025	14:24	LB135011
	Thallium	5310	5000	106	90 - 110	P	03/12/2025	14:24	LB135011
	Vanadium	2430	2500	97	90 - 110	P	03/12/2025	14:24	LB135011
	Zinc	2590	2500	103	90 - 110	P	03/12/2025	14:24	LB135011
CCV05	Aluminum	9840	10000	98	90 - 110	P	03/12/2025	15:25	LB135011
	Antimony	5050	5000	101	90 - 110	P	03/12/2025	15:25	LB135011
	Arsenic	5210	5000	104	90 - 110	P	03/12/2025	15:25	LB135011
	Barium	9220	10000	92	90 - 110	P	03/12/2025	15:25	LB135011
	Beryllium	235	250	94	90 - 110	P	03/12/2025	15:25	LB135011
	Cadmium	2460	2500	98	90 - 110	P	03/12/2025	15:25	LB135011
	Calcium	23500	25000	94	90 - 110	P	03/12/2025	15:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	15:25	LB135011
	Cobalt	2450	2500	98	90 - 110	P	03/12/2025	15:25	LB135011
	Copper	1260	1250	101	90 - 110	P	03/12/2025	15:25	LB135011
	Iron	4840	5000	97	90 - 110	P	03/12/2025	15:25	LB135011
	Lead	5010	5000	100	90 - 110	P	03/12/2025	15:25	LB135011
	Magnesium	23900	25000	96	90 - 110	P	03/12/2025	15:25	LB135011
	Manganese	2270	2500	91	90 - 110	P	03/12/2025	15:25	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	2440	2500	98	90 - 110	P	03/12/2025	15:25	LB135011
	Potassium	24600	25000	98	90 - 110	P	03/12/2025	15:25	LB135011
	Selenium	5000	5000	100	90 - 110	P	03/12/2025	15:25	LB135011
	Silver	1250	1250	100	90 - 110	P	03/12/2025	15:25	LB135011
	Sodium	26000	25000	104	90 - 110	P	03/12/2025	15:25	LB135011
	Thallium	5180	5000	104	90 - 110	P	03/12/2025	15:25	LB135011
	Vanadium	2390	2500	96	90 - 110	P	03/12/2025	15:25	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	15:25	LB135011
CCV06	Aluminum	9800	10000	98	90 - 110	P	03/12/2025	16:25	LB135011
	Antimony	5040	5000	101	90 - 110	P	03/12/2025	16:25	LB135011
	Arsenic	5190	5000	104	90 - 110	P	03/12/2025	16:25	LB135011
	Barium	9100	10000	91	90 - 110	P	03/12/2025	16:25	LB135011
	Beryllium	239	250	96	90 - 110	P	03/12/2025	16:25	LB135011
	Cadmium	2450	2500	98	90 - 110	P	03/12/2025	16:25	LB135011
	Calcium	23200	25000	93	90 - 110	P	03/12/2025	16:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	16:25	LB135011
	Cobalt	2430	2500	97	90 - 110	P	03/12/2025	16:25	LB135011
	Copper	1260	1250	100	90 - 110	P	03/12/2025	16:25	LB135011
	Iron	4770	5000	96	90 - 110	P	03/12/2025	16:25	LB135011
	Lead	4990	5000	100	90 - 110	P	03/12/2025	16:25	LB135011
	Magnesium	23700	25000	95	90 - 110	P	03/12/2025	16:25	LB135011
	Manganese	2360	2500	94	90 - 110	P	03/12/2025	16:25	LB135011
	Nickel	2430	2500	97	90 - 110	P	03/12/2025	16:25	LB135011
	Potassium	24100	25000	96	90 - 110	P	03/12/2025	16:25	LB135011
	Selenium	4960	5000	99	90 - 110	P	03/12/2025	16:25	LB135011
	Silver	1260	1250	100	90 - 110	P	03/12/2025	16:25	LB135011
	Sodium	25700	25000	103	90 - 110	P	03/12/2025	16:25	LB135011
	Thallium	5070	5000	101	90 - 110	P	03/12/2025	16:25	LB135011
	Vanadium	2380	2500	95	90 - 110	P	03/12/2025	16:25	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	16:25	LB135011
CCV07	Aluminum	9920	10000	99	90 - 110	P	03/12/2025	17:25	LB135011
	Antimony	5200	5000	104	90 - 110	P	03/12/2025	17:25	LB135011
	Arsenic	5300	5000	106	90 - 110	P	03/12/2025	17:25	LB135011
	Barium	9240	10000	92	90 - 110	P	03/12/2025	17:25	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	234	250	94	90 - 110	P	03/12/2025	17:25	LB135011
	Cadmium	2460	2500	98	90 - 110	P	03/12/2025	17:25	LB135011
	Calcium	23100	25000	92	90 - 110	P	03/12/2025	17:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	17:25	LB135011
	Cobalt	2460	2500	98	90 - 110	P	03/12/2025	17:25	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	17:25	LB135011
	Iron	4870	5000	97	90 - 110	P	03/12/2025	17:25	LB135011
	Lead	5030	5000	101	90 - 110	P	03/12/2025	17:25	LB135011
	Magnesium	23400	25000	93	90 - 110	P	03/12/2025	17:25	LB135011
	Manganese	2250	2500	90	90 - 110	P	03/12/2025	17:25	LB135011
	Nickel	2450	2500	98	90 - 110	P	03/12/2025	17:25	LB135011
	Potassium	25100	25000	100	90 - 110	P	03/12/2025	17:25	LB135011
	Selenium	5120	5000	102	90 - 110	P	03/12/2025	17:25	LB135011
	Silver	1270	1250	102	90 - 110	P	03/12/2025	17:25	LB135011
	Sodium	26900	25000	108	90 - 110	P	03/12/2025	17:25	LB135011
	Thallium	5090	5000	102	90 - 110	P	03/12/2025	17:25	LB135011
	Vanadium	2390	2500	96	90 - 110	P	03/12/2025	17:25	LB135011
	Zinc	2560	2500	102	90 - 110	P	03/12/2025	17:25	LB135011
CCV08	Aluminum	9930	10000	99	90 - 110	P	03/12/2025	18:23	LB135011
	Antimony	5080	5000	102	90 - 110	P	03/12/2025	18:23	LB135011
	Arsenic	5240	5000	105	90 - 110	P	03/12/2025	18:23	LB135011
	Barium	9130	10000	91	90 - 110	P	03/12/2025	18:23	LB135011
	Beryllium	246	250	98	90 - 110	P	03/12/2025	18:23	LB135011
	Cadmium	2490	2500	99	90 - 110	P	03/12/2025	18:23	LB135011
	Calcium	23600	25000	94	90 - 110	P	03/12/2025	18:23	LB135011
	Chromium	1070	1000	107	90 - 110	P	03/12/2025	18:23	LB135011
	Cobalt	2470	2500	99	90 - 110	P	03/12/2025	18:23	LB135011
	Copper	1270	1250	102	90 - 110	P	03/12/2025	18:23	LB135011
	Iron	4810	5000	96	90 - 110	P	03/12/2025	18:23	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	18:23	LB135011
	Magnesium	24300	25000	97	90 - 110	P	03/12/2025	18:23	LB135011
	Manganese	2270	2500	91	90 - 110	P	03/12/2025	18:23	LB135011
	Nickel	2470	2500	99	90 - 110	P	03/12/2025	18:23	LB135011
	Potassium	24200	25000	97	90 - 110	P	03/12/2025	18:23	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	5010	5000	100	90 - 110	P	03/12/2025	18:23	LB135011
	Silver	1280	1250	102	90 - 110	P	03/12/2025	18:23	LB135011
	Sodium	25600	25000	102	90 - 110	P	03/12/2025	18:23	LB135011
	Thallium	5150	5000	103	90 - 110	P	03/12/2025	18:23	LB135011
	Vanadium	2420	2500	97	90 - 110	P	03/12/2025	18:23	LB135011
	Zinc	2580	2500	103	90 - 110	P	03/12/2025	18:23	LB135011
CCV09	Aluminum	9860	10000	99	90 - 110	P	03/12/2025	18:49	LB135011
	Antimony	5130	5000	103	90 - 110	P	03/12/2025	18:49	LB135011
	Arsenic	5290	5000	106	90 - 110	P	03/12/2025	18:49	LB135011
	Barium	9220	10000	92	90 - 110	P	03/12/2025	18:49	LB135011
	Beryllium	236	250	94	90 - 110	P	03/12/2025	18:49	LB135011
	Cadmium	2500	2500	100	90 - 110	P	03/12/2025	18:49	LB135011
	Calcium	23600	25000	95	90 - 110	P	03/12/2025	18:49	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	18:49	LB135011
	Cobalt	2480	2500	99	90 - 110	P	03/12/2025	18:49	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	18:49	LB135011
	Iron	4960	5000	99	90 - 110	P	03/12/2025	18:49	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	18:49	LB135011
	Magnesium	24100	25000	96	90 - 110	P	03/12/2025	18:49	LB135011
	Manganese	2270	2500	91	90 - 110	P	03/12/2025	18:49	LB135011
	Nickel	2480	2500	99	90 - 110	P	03/12/2025	18:49	LB135011
	Potassium	25400	25000	102	90 - 110	P	03/12/2025	18:49	LB135011
	Selenium	5060	5000	101	90 - 110	P	03/12/2025	18:49	LB135011
	Silver	1270	1250	102	90 - 110	P	03/12/2025	18:49	LB135011
	Sodium	26300	25000	105	90 - 110	P	03/12/2025	18:49	LB135011
	Thallium	5100	5000	102	90 - 110	P	03/12/2025	18:49	LB135011
	Vanadium	2420	2500	97	90 - 110	P	03/12/2025	18:49	LB135011
	Zinc	2560	2500	102	90 - 110	P	03/12/2025	18:49	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	2510	2500	100	90 - 110	P	03/13/2025	12:07	LB135035
	Antimony	1020	1000	102	90 - 110	P	03/13/2025	12:07	LB135035
	Arsenic	1020	1000	102	90 - 110	P	03/13/2025	12:07	LB135035
	Barium	533	520	102	90 - 110	P	03/13/2025	12:07	LB135035
	Beryllium	536	510	105	90 - 110	P	03/13/2025	12:07	LB135035
	Cadmium	503	510	99	90 - 110	P	03/13/2025	12:07	LB135035
	Calcium	9870	10000	99	90 - 110	P	03/13/2025	12:07	LB135035
	Chromium	525	520	101	90 - 110	P	03/13/2025	12:07	LB135035
	Cobalt	510	520	98	90 - 110	P	03/13/2025	12:07	LB135035
	Copper	529	510	104	90 - 110	P	03/13/2025	12:07	LB135035
	Iron	9860	10000	99	90 - 110	P	03/13/2025	12:07	LB135035
	Lead	1000	1000	100	90 - 110	P	03/13/2025	12:07	LB135035
	Magnesium	6270	6000	105	90 - 110	P	03/13/2025	12:07	LB135035
	Manganese	542	520	104	90 - 110	P	03/13/2025	12:07	LB135035
	Nickel	545	530	103	90 - 110	P	03/13/2025	12:07	LB135035
	Potassium	10100	9900	102	90 - 110	P	03/13/2025	12:07	LB135035
	Selenium	1040	1000	104	90 - 110	P	03/13/2025	12:07	LB135035
	Silver	252	250	101	90 - 110	P	03/13/2025	12:07	LB135035
	Sodium	10200	10000	102	90 - 110	P	03/13/2025	12:07	LB135035
	Thallium	1050	1000	105	90 - 110	P	03/13/2025	12:07	LB135035
	Vanadium	518	500	104	90 - 110	P	03/13/2025	12:07	LB135035
	Zinc	1020	1000	102	90 - 110	P	03/13/2025	12:07	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	98.6	100	99	80 - 120	P	03/13/2025	12:13	LB135035
	Antimony	54.3	50.0	109	80 - 120	P	03/13/2025	12:13	LB135035
	Arsenic	17.3	20.0	86	80 - 120	P	03/13/2025	12:13	LB135035
	Barium	92.2	100	92	80 - 120	P	03/13/2025	12:13	LB135035
	Beryllium	6.15	6.0	102	80 - 120	P	03/13/2025	12:13	LB135035
	Cadmium	5.95	6.0	99	80 - 120	P	03/13/2025	12:13	LB135035
	Calcium	1970	2000	99	80 - 120	P	03/13/2025	12:13	LB135035
	Chromium	10.1	10.0	101	80 - 120	P	03/13/2025	12:13	LB135035
	Cobalt	29.7	30.0	99	80 - 120	P	03/13/2025	12:13	LB135035
	Copper	22.7	20.0	114	80 - 120	P	03/13/2025	12:13	LB135035
	Iron	101	100	101	80 - 120	P	03/13/2025	12:13	LB135035
	Lead	12.6	12.0	105	80 - 120	P	03/13/2025	12:13	LB135035
	Magnesium	2100	2000	105	80 - 120	P	03/13/2025	12:13	LB135035
	Manganese	19.6	20.0	98	80 - 120	P	03/13/2025	12:13	LB135035
	Nickel	39.7	40.0	99	80 - 120	P	03/13/2025	12:13	LB135035
	Potassium	1850	2000	92	80 - 120	P	03/13/2025	12:13	LB135035
	Selenium	19.2	20.0	96	80 - 120	P	03/13/2025	12:13	LB135035
	Silver	10.6	10.0	106	80 - 120	P	03/13/2025	12:13	LB135035
	Sodium	1740	2000	87	80 - 120	P	03/13/2025	12:13	LB135035
	Thallium	42.1	40.0	105	80 - 120	P	03/13/2025	12:13	LB135035
	Vanadium	39.3	40.0	98	80 - 120	P	03/13/2025	12:13	LB135035
	Zinc	41.3	40.0	103	80 - 120	P	03/13/2025	12:13	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	10300	10000	103	90 - 110	P	03/13/2025	12:53	LB135035
	Antimony	5060	5000	101	90 - 110	P	03/13/2025	12:53	LB135035
	Arsenic	5160	5000	103	90 - 110	P	03/13/2025	12:53	LB135035
	Barium	9860	10000	99	90 - 110	P	03/13/2025	12:53	LB135035
	Beryllium	274	250	110	90 - 110	P	03/13/2025	12:53	LB135035
	Cadmium	2570	2500	103	90 - 110	P	03/13/2025	12:53	LB135035
	Calcium	25500	25000	102	90 - 110	P	03/13/2025	12:53	LB135035
	Chromium	1050	1000	105	90 - 110	P	03/13/2025	12:53	LB135035
	Cobalt	2560	2500	102	90 - 110	P	03/13/2025	12:53	LB135035
	Copper	1280	1250	103	90 - 110	P	03/13/2025	12:53	LB135035
	Iron	4890	5000	98	90 - 110	P	03/13/2025	12:53	LB135035
	Lead	5190	5000	104	90 - 110	P	03/13/2025	12:53	LB135035
	Magnesium	25700	25000	103	90 - 110	P	03/13/2025	12:53	LB135035
	Manganese	2530	2500	101	90 - 110	P	03/13/2025	12:53	LB135035
	Nickel	2560	2500	102	90 - 110	P	03/13/2025	12:53	LB135035
	Potassium	23900	25000	96	90 - 110	P	03/13/2025	12:53	LB135035
	Selenium	5070	5000	101	90 - 110	P	03/13/2025	12:53	LB135035
	Silver	1300	1250	104	90 - 110	P	03/13/2025	12:53	LB135035
	Sodium	24000	25000	96	90 - 110	P	03/13/2025	12:53	LB135035
	Thallium	5100	5000	102	90 - 110	P	03/13/2025	12:53	LB135035
	Vanadium	2550	2500	102	90 - 110	P	03/13/2025	12:53	LB135035
	Zinc	2600	2500	104	90 - 110	P	03/13/2025	12:53	LB135035
CCV02	Aluminum	10400	10000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Antimony	5180	5000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Arsenic	5290	5000	106	90 - 110	P	03/13/2025	13:49	LB135035
	Barium	10100	10000	101	90 - 110	P	03/13/2025	13:49	LB135035
	Beryllium	268	250	107	90 - 110	P	03/13/2025	13:49	LB135035
	Cadmium	2630	2500	105	90 - 110	P	03/13/2025	13:49	LB135035
	Calcium	26000	25000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Chromium	1100	1000	110	90 - 110	P	03/13/2025	13:49	LB135035
	Cobalt	2610	2500	104	90 - 110	P	03/13/2025	13:49	LB135035
	Copper	1310	1250	105	90 - 110	P	03/13/2025	13:49	LB135035
	Iron	5130	5000	103	90 - 110	P	03/13/2025	13:49	LB135035
	Lead	5330	5000	107	90 - 110	P	03/13/2025	13:49	LB135035

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	26100	25000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Manganese	2580	2500	103	90 - 110	P	03/13/2025	13:49	LB135035
	Nickel	2600	2500	104	90 - 110	P	03/13/2025	13:49	LB135035
	Potassium	25100	25000	100	90 - 110	P	03/13/2025	13:49	LB135035
	Selenium	5180	5000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Silver	1310	1250	105	90 - 110	P	03/13/2025	13:49	LB135035
	Sodium	25600	25000	102	90 - 110	P	03/13/2025	13:49	LB135035
	Thallium	5110	5000	102	90 - 110	P	03/13/2025	13:49	LB135035
	Vanadium	2600	2500	104	90 - 110	P	03/13/2025	13:49	LB135035
	Zinc	2620	2500	105	90 - 110	P	03/13/2025	13:49	LB135035
CCV03	Aluminum	10100	10000	101	90 - 110	P	03/13/2025	14:40	LB135035
	Antimony	5040	5000	101	90 - 110	P	03/13/2025	14:40	LB135035
	Arsenic	5130	5000	102	90 - 110	P	03/13/2025	14:40	LB135035
	Barium	9830	10000	98	90 - 110	P	03/13/2025	14:40	LB135035
	Beryllium	261	250	104	90 - 110	P	03/13/2025	14:40	LB135035
	Cadmium	2540	2500	102	90 - 110	P	03/13/2025	14:40	LB135035
	Calcium	25100	25000	100	90 - 110	P	03/13/2025	14:40	LB135035
	Chromium	1050	1000	106	90 - 110	P	03/13/2025	14:40	LB135035
	Cobalt	2520	2500	101	90 - 110	P	03/13/2025	14:40	LB135035
	Copper	1270	1250	102	90 - 110	P	03/13/2025	14:40	LB135035
	Iron	4990	5000	100	90 - 110	P	03/13/2025	14:40	LB135035
	Lead	5150	5000	103	90 - 110	P	03/13/2025	14:40	LB135035
	Magnesium	25100	25000	100	90 - 110	P	03/13/2025	14:40	LB135035
	Manganese	2490	2500	100	90 - 110	P	03/13/2025	14:40	LB135035
	Nickel	2530	2500	101	90 - 110	P	03/13/2025	14:40	LB135035
	Potassium	24500	25000	98	90 - 110	P	03/13/2025	14:40	LB135035
	Selenium	5060	5000	101	90 - 110	P	03/13/2025	14:40	LB135035
	Silver	1280	1250	103	90 - 110	P	03/13/2025	14:40	LB135035
	Sodium	24700	25000	99	90 - 110	P	03/13/2025	14:40	LB135035
	Thallium	4970	5000	99	90 - 110	P	03/13/2025	14:40	LB135035
	Vanadium	2520	2500	101	90 - 110	P	03/13/2025	14:40	LB135035
	Zinc	2560	2500	102	90 - 110	P	03/13/2025	14:40	LB135035
CCV04	Aluminum	9840	10000	98	90 - 110	P	03/13/2025	15:38	LB135035
	Antimony	4840	5000	97	90 - 110	P	03/13/2025	15:38	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	15:38	LB135035
	Barium	9580	10000	96	90 - 110	P	03/13/2025	15:38	LB135035
	Beryllium	261	250	104	90 - 110	P	03/13/2025	15:38	LB135035
	Cadmium	2510	2500	100	90 - 110	P	03/13/2025	15:38	LB135035
	Calcium	24900	25000	99	90 - 110	P	03/13/2025	15:38	LB135035
	Chromium	1030	1000	103	90 - 110	P	03/13/2025	15:38	LB135035
	Cobalt	2480	2500	99	90 - 110	P	03/13/2025	15:38	LB135035
	Copper	1240	1250	99	90 - 110	P	03/13/2025	15:38	LB135035
	Iron	4780	5000	96	90 - 110	P	03/13/2025	15:38	LB135035
	Lead	5050	5000	101	90 - 110	P	03/13/2025	15:38	LB135035
	Magnesium	25300	25000	101	90 - 110	P	03/13/2025	15:38	LB135035
	Manganese	2440	2500	98	90 - 110	P	03/13/2025	15:38	LB135035
	Nickel	2480	2500	99	90 - 110	P	03/13/2025	15:38	LB135035
	Potassium	23200	25000	93	90 - 110	P	03/13/2025	15:38	LB135035
	Selenium	4830	5000	97	90 - 110	P	03/13/2025	15:38	LB135035
	Silver	1240	1250	99	90 - 110	P	03/13/2025	15:38	LB135035
	Sodium	22900	25000	92	90 - 110	P	03/13/2025	15:38	LB135035
	Thallium	4900	5000	98	90 - 110	P	03/13/2025	15:38	LB135035
	Vanadium	2470	2500	99	90 - 110	P	03/13/2025	15:38	LB135035
	Zinc	2460	2500	98	90 - 110	P	03/13/2025	15:38	LB135035
CCV05	Aluminum	10100	10000	101	90 - 110	P	03/13/2025	16:28	LB135035
	Antimony	5130	5000	102	90 - 110	P	03/13/2025	16:28	LB135035
	Arsenic	5250	5000	105	90 - 110	P	03/13/2025	16:28	LB135035
	Barium	9880	10000	99	90 - 110	P	03/13/2025	16:28	LB135035
	Beryllium	264	250	106	90 - 110	P	03/13/2025	16:28	LB135035
	Cadmium	2630	2500	105	90 - 110	P	03/13/2025	16:28	LB135035
	Calcium	25600	25000	102	90 - 110	P	03/13/2025	16:28	LB135035
	Chromium	1070	1000	107	90 - 110	P	03/13/2025	16:28	LB135035
	Cobalt	2610	2500	104	90 - 110	P	03/13/2025	16:28	LB135035
	Copper	1300	1250	104	90 - 110	P	03/13/2025	16:28	LB135035
	Iron	5120	5000	102	90 - 110	P	03/13/2025	16:28	LB135035
	Lead	5300	5000	106	90 - 110	P	03/13/2025	16:28	LB135035
	Magnesium	25900	25000	104	90 - 110	P	03/13/2025	16:28	LB135035
	Manganese	2530	2500	101	90 - 110	P	03/13/2025	16:28	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	2620	2500	105	90 - 110	P	03/13/2025	16:28	LB135035
	Potassium	25000	25000	100	90 - 110	P	03/13/2025	16:28	LB135035
	Selenium	5150	5000	103	90 - 110	P	03/13/2025	16:28	LB135035
	Silver	1300	1250	104	90 - 110	P	03/13/2025	16:28	LB135035
	Sodium	24700	25000	99	90 - 110	P	03/13/2025	16:28	LB135035
	Thallium	5190	5000	104	90 - 110	P	03/13/2025	16:28	LB135035
	Vanadium	2550	2500	102	90 - 110	P	03/13/2025	16:28	LB135035
	Zinc	2580	2500	103	90 - 110	P	03/13/2025	16:28	LB135035
CCV06	Aluminum	10000	10000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Antimony	4980	5000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Arsenic	5070	5000	101	90 - 110	P	03/13/2025	17:21	LB135035
	Barium	9980	10000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Beryllium	264	250	106	90 - 110	P	03/13/2025	17:21	LB135035
	Cadmium	2570	2500	103	90 - 110	P	03/13/2025	17:21	LB135035
	Calcium	25700	25000	103	90 - 110	P	03/13/2025	17:21	LB135035
	Chromium	1060	1000	106	90 - 110	P	03/13/2025	17:21	LB135035
	Cobalt	2550	2500	102	90 - 110	P	03/13/2025	17:21	LB135035
	Copper	1270	1250	102	90 - 110	P	03/13/2025	17:21	LB135035
	Iron	5040	5000	101	90 - 110	P	03/13/2025	17:21	LB135035
	Lead	5180	5000	104	90 - 110	P	03/13/2025	17:21	LB135035
	Magnesium	26000	25000	104	90 - 110	P	03/13/2025	17:21	LB135035
	Manganese	2510	2500	100	90 - 110	P	03/13/2025	17:21	LB135035
	Nickel	2550	2500	102	90 - 110	P	03/13/2025	17:21	LB135035
	Potassium	24800	25000	99	90 - 110	P	03/13/2025	17:21	LB135035
	Selenium	4970	5000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Silver	1290	1250	103	90 - 110	P	03/13/2025	17:21	LB135035
	Sodium	24100	25000	96	90 - 110	P	03/13/2025	17:21	LB135035
	Thallium	5070	5000	102	90 - 110	P	03/13/2025	17:21	LB135035
	Vanadium	2540	2500	102	90 - 110	P	03/13/2025	17:21	LB135035
	Zinc	2550	2500	102	90 - 110	P	03/13/2025	17:21	LB135035
CCV07	Aluminum	10200	10000	102	90 - 110	P	03/13/2025	18:12	LB135035
	Antimony	5160	5000	103	90 - 110	P	03/13/2025	18:12	LB135035
	Arsenic	5250	5000	105	90 - 110	P	03/13/2025	18:12	LB135035
	Barium	9960	10000	100	90 - 110	P	03/13/2025	18:12	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	267	250	107	90 - 110	P	03/13/2025	18:12	LB135035
	Cadmium	2640	2500	106	90 - 110	P	03/13/2025	18:12	LB135035
	Calcium	25800	25000	103	90 - 110	P	03/13/2025	18:12	LB135035
	Chromium	1090	1000	109	90 - 110	P	03/13/2025	18:12	LB135035
	Cobalt	2620	2500	105	90 - 110	P	03/13/2025	18:12	LB135035
	Copper	1310	1250	105	90 - 110	P	03/13/2025	18:12	LB135035
	Iron	5150	5000	103	90 - 110	P	03/13/2025	18:12	LB135035
	Lead	5330	5000	107	90 - 110	P	03/13/2025	18:12	LB135035
	Magnesium	26100	25000	104	90 - 110	P	03/13/2025	18:12	LB135035
	Manganese	2540	2500	102	90 - 110	P	03/13/2025	18:12	LB135035
	Nickel	2620	2500	105	90 - 110	P	03/13/2025	18:12	LB135035
	Potassium	25000	25000	100	90 - 110	P	03/13/2025	18:12	LB135035
	Selenium	5180	5000	104	90 - 110	P	03/13/2025	18:12	LB135035
	Silver	1310	1250	105	90 - 110	P	03/13/2025	18:12	LB135035
	Sodium	24700	25000	99	90 - 110	P	03/13/2025	18:12	LB135035
	Thallium	5220	5000	104	90 - 110	P	03/13/2025	18:12	LB135035
	Vanadium	2570	2500	103	90 - 110	P	03/13/2025	18:12	LB135035
	Zinc	2600	2500	104	90 - 110	P	03/13/2025	18:12	LB135035
CCV08	Aluminum	9620	10000	96	90 - 110	P	03/13/2025	18:53	LB135035
	Antimony	4850	5000	97	90 - 110	P	03/13/2025	18:53	LB135035
	Arsenic	4950	5000	99	90 - 110	P	03/13/2025	18:53	LB135035
	Barium	9390	10000	94	90 - 110	P	03/13/2025	18:53	LB135035
	Beryllium	260	250	104	90 - 110	P	03/13/2025	18:53	LB135035
	Cadmium	2510	2500	100	90 - 110	P	03/13/2025	18:53	LB135035
	Calcium	24700	25000	99	90 - 110	P	03/13/2025	18:53	LB135035
	Chromium	1040	1000	104	90 - 110	P	03/13/2025	18:53	LB135035
	Cobalt	2480	2500	99	90 - 110	P	03/13/2025	18:53	LB135035
	Copper	1240	1250	99	90 - 110	P	03/13/2025	18:53	LB135035
	Iron	4880	5000	98	90 - 110	P	03/13/2025	18:53	LB135035
	Lead	5060	5000	101	90 - 110	P	03/13/2025	18:53	LB135035
	Magnesium	25200	25000	101	90 - 110	P	03/13/2025	18:53	LB135035
	Manganese	2440	2500	98	90 - 110	P	03/13/2025	18:53	LB135035
	Nickel	2480	2500	99	90 - 110	P	03/13/2025	18:53	LB135035
	Potassium	23400	25000	94	90 - 110	P	03/13/2025	18:53	LB135035

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	4840	5000	97	90 - 110	P	03/13/2025	18:53	LB135035
	Silver	1250	1250	100	90 - 110	P	03/13/2025	18:53	LB135035
	Sodium	23400	25000	94	90 - 110	P	03/13/2025	18:53	LB135035
	Thallium	4920	5000	98	90 - 110	P	03/13/2025	18:53	LB135035
	Vanadium	2460	2500	98	90 - 110	P	03/13/2025	18:53	LB135035
	Zinc	2330	2500	93	90 - 110	P	03/13/2025	18:53	LB135035
CCV09	Aluminum	9650	10000	96	90 - 110	P	03/13/2025	19:12	LB135035
	Antimony	5060	5000	101	90 - 110	P	03/13/2025	19:12	LB135035
	Arsenic	5280	5000	106	90 - 110	P	03/13/2025	19:12	LB135035
	Barium	9620	10000	96	90 - 110	P	03/13/2025	19:12	LB135035
	Beryllium	258	250	103	90 - 110	P	03/13/2025	19:12	LB135035
	Cadmium	2550	2500	102	90 - 110	P	03/13/2025	19:12	LB135035
	Calcium	24600	25000	98	90 - 110	P	03/13/2025	19:12	LB135035
	Chromium	1070	1000	107	90 - 110	P	03/13/2025	19:12	LB135035
	Cobalt	2550	2500	102	90 - 110	P	03/13/2025	19:12	LB135035
	Copper	1290	1250	103	90 - 110	P	03/13/2025	19:12	LB135035
	Iron	5230	5000	105	90 - 110	P	03/13/2025	19:12	LB135035
	Lead	5120	5000	102	90 - 110	P	03/13/2025	19:12	LB135035
	Magnesium	24800	25000	99	90 - 110	P	03/13/2025	19:12	LB135035
	Manganese	2450	2500	98	90 - 110	P	03/13/2025	19:12	LB135035
	Nickel	2550	2500	102	90 - 110	P	03/13/2025	19:12	LB135035
	Potassium	24400	25000	98	90 - 110	P	03/13/2025	19:12	LB135035
	Selenium	5440	5000	109	90 - 110	P	03/13/2025	19:12	LB135035
	Silver	1290	1250	104	90 - 110	P	03/13/2025	19:12	LB135035
	Sodium	23500	25000	94	90 - 110	P	03/13/2025	19:12	LB135035
	Thallium	5020	5000	100	90 - 110	P	03/13/2025	19:12	LB135035
	Vanadium	2460	2500	98	90 - 110	P	03/13/2025	19:12	LB135035
	Zinc	2490	2500	100	90 - 110	P	03/13/2025	19:12	LB135035

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	106	40 - 160	CV	03/10/2025	10:41	LB134958
CRA	Mercury	0.20	0.2	102	40 - 160	CV	03/11/2025	08:51	LB134978
CRI01	Aluminum	107	100	106	40 - 160	P	03/12/2025	11:05	LB135011
	Antimony	51.9	50.0	104	40 - 160	P	03/12/2025	11:05	LB135011
	Arsenic	20.1	20.0	100	40 - 160	P	03/12/2025	11:05	LB135011
	Barium	88.8	100	89	40 - 160	P	03/12/2025	11:05	LB135011
	Beryllium	5.53	6.0	92	40 - 160	P	03/12/2025	11:05	LB135011
	Cadmium	5.85	6.0	98	40 - 160	P	03/12/2025	11:05	LB135011
	Calcium	1940	2000	97	40 - 160	P	03/12/2025	11:05	LB135011
	Chromium	10.3	10.0	103	40 - 160	P	03/12/2025	11:05	LB135011
	Cobalt	29.3	30.0	98	40 - 160	P	03/12/2025	11:05	LB135011
	Copper	22.6	20.0	113	40 - 160	P	03/12/2025	11:05	LB135011
	Iron	98.7	100	99	40 - 160	P	03/12/2025	11:05	LB135011
	Lead	10.9	12.0	91	40 - 160	P	03/12/2025	11:05	LB135011
	Magnesium	2030	2000	102	40 - 160	P	03/12/2025	11:05	LB135011
	Manganese	19.2	20.0	96	40 - 160	P	03/12/2025	11:05	LB135011
	Nickel	38.9	40.0	97	40 - 160	P	03/12/2025	11:05	LB135011
	Potassium	1970	2000	98	40 - 160	P	03/12/2025	11:05	LB135011
	Selenium	18.3	20.0	92	40 - 160	P	03/12/2025	11:05	LB135011
	Silver	11.1	10.0	111	40 - 160	P	03/12/2025	11:05	LB135011
	Sodium	2100	2000	105	40 - 160	P	03/12/2025	11:05	LB135011
	Thallium	42.1	40.0	105	40 - 160	P	03/12/2025	11:05	LB135011
	Vanadium	39.4	40.0	98	40 - 160	P	03/12/2025	11:05	LB135011
	Zinc	42.3	40.0	106	40 - 160	P	03/12/2025	11:05	LB135011
CRI01	Aluminum	99.2	100	99	40 - 160	P	03/13/2025	12:21	LB135035
	Antimony	52.9	50.0	106	40 - 160	P	03/13/2025	12:21	LB135035
	Arsenic	21.2	20.0	106	40 - 160	P	03/13/2025	12:21	LB135035
	Barium	94.0	100	94	40 - 160	P	03/13/2025	12:21	LB135035
	Beryllium	6.07	6.0	101	40 - 160	P	03/13/2025	12:21	LB135035
	Cadmium	5.90	6.0	98	40 - 160	P	03/13/2025	12:21	LB135035
	Calcium	2020	2000	101	40 - 160	P	03/13/2025	12:21	LB135035
	Chromium	10.4	10.0	104	40 - 160	P	03/13/2025	12:21	LB135035
	Cobalt	30.2	30.0	101	40 - 160	P	03/13/2025	12:21	LB135035
	Copper	23.1	20.0	116	40 - 160	P	03/13/2025	12:21	LB135035
	Iron	110	100	110	40 - 160	P	03/13/2025	12:21	LB135035

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	11.7	12.0	98	40 - 160	P	03/13/2025	12:21	LB135035
	Magnesium	2140	2000	107	40 - 160	P	03/13/2025	12:21	LB135035
	Manganese	20.6	20.0	103	40 - 160	P	03/13/2025	12:21	LB135035
	Nickel	39.8	40.0	100	40 - 160	P	03/13/2025	12:21	LB135035
	Potassium	1920	2000	96	40 - 160	P	03/13/2025	12:21	LB135035
	Selenium	21.3	20.0	107	40 - 160	P	03/13/2025	12:21	LB135035
	Silver	10.6	10.0	106	40 - 160	P	03/13/2025	12:21	LB135035
	Sodium	1830	2000	91	40 - 160	P	03/13/2025	12:21	LB135035
	Thallium	41.6	40.0	104	40 - 160	P	03/13/2025	12:21	LB135035
	Vanadium	41.0	40.0	102	40 - 160	P	03/13/2025	12:21	LB135035
	Zinc	42.5	40.0	106	40 - 160	P	03/13/2025	12:21	LB135035

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	249000	255000	98	216000	294000	03/12/2025	11:09	LB135011
	Antimony	-5.28			-50	50	03/12/2025	11:09	LB135011
	Arsenic	5.78			-20	20	03/12/2025	11:09	LB135011
	Barium	1.43	6.0	24	-94	106	03/12/2025	11:09	LB135011
	Beryllium	1.22			-6	6	03/12/2025	11:09	LB135011
	Cadmium	-3.50	1.0	350	-5	7	03/12/2025	11:09	LB135011
	Calcium	232000	245000	95	208000	282000	03/12/2025	11:09	LB135011
	Chromium	60.0	52.0	115	42	62	03/12/2025	11:09	LB135011
	Cobalt	1.79			-30	30	03/12/2025	11:09	LB135011
	Copper	7.26	2.0	363	-18	22	03/12/2025	11:09	LB135011
	Iron	104000	101000	103	85600	116500	03/12/2025	11:09	LB135011
	Lead	5.99			-12	12	03/12/2025	11:09	LB135011
	Magnesium	249000	255000	98	216000	294000	03/12/2025	11:09	LB135011
	Manganese	2.80	7.0	40	-13	27	03/12/2025	11:09	LB135011
	Nickel	1.62	2.0	81	-38	42	03/12/2025	11:09	LB135011
	Potassium	-8.24			0	0	03/12/2025	11:09	LB135011
	Selenium	-15.8			-20	20	03/12/2025	11:09	LB135011
	Silver	0.57			-10	10	03/12/2025	11:09	LB135011
	Sodium	41.4			0	0	03/12/2025	11:09	LB135011
	Thallium	7.56			-40	40	03/12/2025	11:09	LB135011
	Vanadium	4.05			-40	40	03/12/2025	11:09	LB135011
	Zinc	6.95			-40	40	03/12/2025	11:09	LB135011
ICSAB01	Aluminum	239000	247000	97	209000	285000	03/12/2025	11:14	LB135011
	Antimony	630	618	102	525	711	03/12/2025	11:14	LB135011
	Arsenic	116	104	112	88.4	120	03/12/2025	11:14	LB135011
	Barium	454	537	84	437	637	03/12/2025	11:14	LB135011
	Beryllium	467	495	94	420	570	03/12/2025	11:14	LB135011
	Cadmium	1000	972	103	826	1120	03/12/2025	11:14	LB135011
	Calcium	220000	235000	94	199000	271000	03/12/2025	11:14	LB135011
	Chromium	595	542	110	460	624	03/12/2025	11:14	LB135011
	Cobalt	511	476	107	404	548	03/12/2025	11:14	LB135011
	Copper	509	511	100	434	588	03/12/2025	11:14	LB135011
	Iron	102000	99300	103	84400	114500	03/12/2025	11:14	LB135011
	Lead	52.3	49.0	107	37	61	03/12/2025	11:14	LB135011
	Magnesium	237000	248000	96	210000	286000	03/12/2025	11:14	LB135011
	Manganese	451	507	89	430	584	03/12/2025	11:14	LB135011
	Nickel	1000	954	105	810	1100	03/12/2025	11:14	LB135011
	Potassium	-44.7			0	0	03/12/2025	11:14	LB135011
	Selenium	34.2	46.0	74	26	66	03/12/2025	11:14	LB135011
	Silver	226	201	112	170	232	03/12/2025	11:14	LB135011
	Sodium	43.6			0	0	03/12/2025	11:14	LB135011
	Thallium	108	108	100	68	148	03/12/2025	11:14	LB135011

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	457	491	93	417	565	03/12/2025	11:14	LB135011
	Zinc	1080	952	113	809	1095	03/12/2025	11:14	LB135011
ICSA01	Aluminum	256000	255000	100	216000	294000	03/13/2025	12:25	LB135035
	Antimony	-2.75			-50	50	03/13/2025	12:25	LB135035
	Arsenic	4.32			-20	20	03/13/2025	12:25	LB135035
	Barium	4.72	6.0	79	-94	106	03/13/2025	12:25	LB135035
	Beryllium	1.26			-6	6	03/13/2025	12:25	LB135035
	Cadmium	-3.11	1.0	311	-5	7	03/13/2025	12:25	LB135035
	Calcium	242000	245000	99	208000	282000	03/13/2025	12:25	LB135035
	Chromium	60.0	52.0	115	42	62	03/13/2025	12:25	LB135035
	Cobalt	1.59			-30	30	03/13/2025	12:25	LB135035
	Copper	10.4	2.0	519	-18	22	03/13/2025	12:25	LB135035
	Iron	103000	101000	102	85600	116500	03/13/2025	12:25	LB135035
	Lead	4.72			-12	12	03/13/2025	12:25	LB135035
	Magnesium	262000	255000	103	216000	294000	03/13/2025	12:25	LB135035
	Manganese	3.77	7.0	54	-13	27	03/13/2025	12:25	LB135035
	Nickel	1.93	2.0	96	-38	42	03/13/2025	12:25	LB135035
	Potassium	112			0	0	03/13/2025	12:25	LB135035
	Selenium	-15.2			-20	20	03/13/2025	12:25	LB135035
	Silver	-0.88			-10	10	03/13/2025	12:25	LB135035
	Sodium	81.3			0	0	03/13/2025	12:25	LB135035
	Thallium	9.23			-40	40	03/13/2025	12:25	LB135035
	Vanadium	3.49			-40	40	03/13/2025	12:25	LB135035
	Zinc	4.65			-40	40	03/13/2025	12:25	LB135035
ICSAB01	Aluminum	240000	247000	97	209000	285000	03/13/2025	12:30	LB135035
	Antimony	610	618	99	525	711	03/13/2025	12:30	LB135035
	Arsenic	113	104	109	88.4	120	03/13/2025	12:30	LB135035
	Barium	485	537	90	437	637	03/13/2025	12:30	LB135035
	Beryllium	491	495	99	420	570	03/13/2025	12:30	LB135035
	Cadmium	1000	972	103	826	1120	03/13/2025	12:30	LB135035
	Calcium	231000	235000	98	199000	271000	03/13/2025	12:30	LB135035
	Chromium	564	542	104	460	624	03/13/2025	12:30	LB135035
	Cobalt	508	476	107	404	548	03/13/2025	12:30	LB135035
	Copper	504	511	99	434	588	03/13/2025	12:30	LB135035
	Iron	100000	99300	101	84400	114500	03/13/2025	12:30	LB135035
	Lead	54.2	49.0	111	37	61	03/13/2025	12:30	LB135035
	Magnesium	249000	248000	100	210000	286000	03/13/2025	12:30	LB135035
	Manganese	476	507	94	430	584	03/13/2025	12:30	LB135035
	Nickel	1010	954	106	810	1100	03/13/2025	12:30	LB135035
	Potassium	79.0			0	0	03/13/2025	12:30	LB135035
	Selenium	43.0	46.0	94	26	66	03/13/2025	12:30	LB135035
	Silver	218	201	108	170	232	03/13/2025	12:30	LB135035

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	93.6			0	0	03/13/2025	12:30	LB135035
	Thallium	107	108	99	68	148	03/13/2025	12:30	LB135035
	Vanadium	470	491	96	417	565	03/13/2025	12:30	LB135035
	Zinc	1050	952	110	809	1095	03/13/2025	12:30	LB135035

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1478-01 **client id:** IDW-AQ-MW-19B-COMP-022825MS

Percent Solids for Sample: NA **Spiked ID:** Q1478-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.54		0.20	U	4.0	88		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1478-01 **client id:** IDW-AQ-MW-19B-COMP-022825MSD

Percent Solids for Sample: NA **Spiked ID:** Q1478-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.47		0.20	U	4.0	87		CV

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Solid **sample id:** Q1515-01 **client id:** AU-06-030625MS

Percent Solids for Sample: 87.7 **Spiked ID:** Q1515-01MS **Percent Solids for Spike Sample:** 87.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5850		5030		100	827		P
Antimony	mg/Kg	75 - 125	13.2		2.52	U	40.5	33	N	P
Arsenic	mg/Kg	75 - 125	51.3		15.4		40.5	89		P
Barium	mg/Kg	75 - 125	34.3		28.5		10.1	57	N	P
Beryllium	mg/Kg	75 - 125	8.04		0.71		10.1	73	N	P
Cadmium	mg/Kg	75 - 125	9.53		0.30	U	10.1	94		P
Calcium	mg/Kg	75 - 125	5990		4030		50.7	3859		P
Chromium	mg/Kg	75 - 125	54.7		34.6		20.3	99		P
Cobalt	mg/Kg	75 - 125	13.8		3.69		10.1	100		P
Copper	mg/Kg	75 - 125	24.0		7.81		15.2	107		P
Iron	mg/Kg	75 - 125	17200		15600		150	1052		P
Lead	mg/Kg	75 - 125	122		22.5		50.7	197	N	P
Magnesium	mg/Kg	75 - 125	1870		1160		100	714		P
Manganese	mg/Kg	75 - 125	50.3		47.4		10.1	29		P
Nickel	mg/Kg	75 - 125	32.7		8.23		25.3	97		P
Potassium	mg/Kg	75 - 125	1710		984		510	143	N	P
Selenium	mg/Kg	75 - 125	74.1		1.01	U	100	74	N	P
Silver	mg/Kg	75 - 125	3.13		0.51	U	3.8	82		P
Sodium	mg/Kg	75 - 125	260		105		150	103		P
Thallium	mg/Kg	75 - 125	93.2		0.52	J	100	93		P
Vanadium	mg/Kg	75 - 125	37.3		21.6		15.2	104		P
Zinc	mg/Kg	75 - 125	44.6		33.4		10.1	112		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Solid **sample id:** Q1515-01 **client id:** AU-06-030625MSD

Percent Solids for Sample: 87.7 **Spiked ID:** Q1515-01MSD **Percent Solids for Spike Sample:** 87.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5570		5030		96.6	568		P
Antimony	mg/Kg	75 - 125	12.7		2.52	U	38.7	33	N	P
Arsenic	mg/Kg	75 - 125	49.0		15.4		38.7	87		P
Barium	mg/Kg	75 - 125	31.9		28.5		9.7	35	N	P
Beryllium	mg/Kg	75 - 125	7.82		0.71		9.7	73	N	P
Cadmium	mg/Kg	75 - 125	9.10		0.30	U	9.7	94		P
Calcium	mg/Kg	75 - 125	5650		4030		48.3	3350		P
Chromium	mg/Kg	75 - 125	52.2		34.6		19.3	91		P
Cobalt	mg/Kg	75 - 125	13.2		3.69		9.7	98		P
Copper	mg/Kg	75 - 125	23.0		7.81		14.5	105		P
Iron	mg/Kg	75 - 125	16000		15600		140	274		P
Lead	mg/Kg	75 - 125	116		22.5		48.3	194	N	P
Magnesium	mg/Kg	75 - 125	1780		1160		96.6	644		P
Manganese	mg/Kg	75 - 125	47.7		47.4		9.7	3		P
Nickel	mg/Kg	75 - 125	31.1		8.23		24.2	95		P
Potassium	mg/Kg	75 - 125	1580		984		480	124		P
Selenium	mg/Kg	75 - 125	70.4		1.01	U	96.6	73	N	P
Silver	mg/Kg	75 - 125	2.90		0.51	U	3.6	81		P
Sodium	mg/Kg	75 - 125	242		105		140	98		P
Thallium	mg/Kg	75 - 125	89.5		0.52	J	96.6	92		P
Vanadium	mg/Kg	75 - 125	35.5		21.6		14.5	96		P
Zinc	mg/Kg	75 - 125	42.2		33.4		9.7	91		P

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1522-02 **client id:** TW-WTS-04MS

Percent Solids for Sample: NA **Spiked ID:** Q1522-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1350		386		1000	96		P
Antimony	ug/L	75 - 125	421		25.0	U	400	105		P
Arsenic	ug/L	75 - 125	418		10.0	U	400	104		P
Barium	ug/L	75 - 125	112		26.6	J	100	86		P
Beryllium	ug/L	75 - 125	95.0		3.00	U	100	95		P
Cadmium	ug/L	75 - 125	93.7		3.00	U	100	94		P
Calcium	ug/L	75 - 125	103000		103000		500	-86		P
Chromium	ug/L	75 - 125	207		5.00	U	200	104		P
Cobalt	ug/L	75 - 125	98.3		2.45	J	100	96		P
Copper	ug/L	75 - 125	149		10.0	U	150	99		P
Iron	ug/L	75 - 125	1510		120		1500	93		P
Lead	ug/L	75 - 125	457		6.92		500	90		P
Magnesium	ug/L	75 - 125	8500		7520		1000	98		P
Manganese	ug/L	75 - 125	160		54.9		100	105		P
Nickel	ug/L	75 - 125	251		12.8	J	250	95		P
Potassium	ug/L	75 - 125	41700		39000		5000	56		P
Selenium	ug/L	75 - 125	978		10.0	U	1000	98		P
Silver	ug/L	75 - 125	30.4		5.00	U	37.5	81		P
Sodium	ug/L	75 - 125	72800		76300		1500	-232		P
Thallium	ug/L	75 - 125	900		20.0	U	1000	90		P
Vanadium	ug/L	75 - 125	143		20.0	U	150	95		P
Zinc	ug/L	75 - 125	119		15.5	J	100	104		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1522-02 **client id:** TW-WTS-04MSD

Percent Solids for Sample: NA **Spiked ID:** Q1522-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1350		386		1000	96		P
Antimony	ug/L	75 - 125	423		25.0	U	400	106		P
Arsenic	ug/L	75 - 125	424		10.0	U	400	106		P
Barium	ug/L	75 - 125	115		26.6	J	100	88		P
Beryllium	ug/L	75 - 125	87.6		3.00	U	100	88		P
Cadmium	ug/L	75 - 125	93.3		3.00	U	100	93		P
Calcium	ug/L	75 - 125	101000		103000		500	-410		P
Chromium	ug/L	75 - 125	205		5.00	U	200	102		P
Cobalt	ug/L	75 - 125	98.3		2.45	J	100	96		P
Copper	ug/L	75 - 125	149		10.0	U	150	99		P
Iron	ug/L	75 - 125	1570		120		1500	97		P
Lead	ug/L	75 - 125	454		6.92		500	89		P
Magnesium	ug/L	75 - 125	8190		7520		1000	67		P
Manganese	ug/L	75 - 125	158		54.9		100	103		P
Nickel	ug/L	75 - 125	250		12.8	J	250	95		P
Potassium	ug/L	75 - 125	45000		39000		5000	121		P
Selenium	ug/L	75 - 125	988		10.0	U	1000	99		P
Silver	ug/L	75 - 125	30.0		5.00	U	37.5	80		P
Sodium	ug/L	75 - 125	77600		76300		1500	87		P
Thallium	ug/L	75 - 125	901		20.0	U	1000	90		P
Vanadium	ug/L	75 - 125	141		20.0	U	150	94		P
Zinc	ug/L	75 - 125	120		15.5	J	100	104		P

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Solid **sample id:** Q1524-02 **client id:** VNJ-241MS

Percent Solids for Sample: 88.9 **Spiked ID:** Q1524-02MS **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.40		0.11		0.28	104		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Solid **sample id:** Q1524-02 **client id:** VNJ-241MSD

Percent Solids for Sample: 88.9 **Spiked ID:** Q1524-02MSD **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.39		0.11		0.27	101		CV

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Level:** LOW **Client ID:** AU-06-030625A

Sample ID: Q1515-01 **Spiked ID:** Q1515-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	13.4		2.52	U	40.4	33		P
Barium	mg/Kg	75 - 125	33.6		28.5		10.1	50		P
Beryllium	mg/Kg	75 - 125	8.01		0.71		10.1	72		P
Lead	mg/Kg	75 - 125	123		22.5		50.5	198		P
Potassium	mg/Kg	75 - 125	1690		984		500	142		P
Selenium	mg/Kg	75 - 125	74.9		1.01	U	100	75		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1478-01 **Client ID:** IDW-AQ-MW-19B-COMP-022825DUP

Percent Solids for Sample: NA **Duplicate ID** Q1478-01DUP **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

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1478-01MS **Client ID:** IDW-AQ-MW-19B-COMP-022825MSD

Percent Solids for Sample: NA **Duplicate ID** Q1478-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.54		3.47		2		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Sample ID:** Q1515-01 **Client ID:** AU-06-030625DUP

Percent Solids for Sample: 87.7 **Duplicate ID** Q1515-01DUP **Percent Solids for Spike Sample:** 87.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5030		4780		5		P
Antimony	mg/Kg	20	2.52	U	2.41	U			P
Arsenic	mg/Kg	20	15.4		14.8		4		P
Barium	mg/Kg	20	28.5		27.7		3		P
Beryllium	mg/Kg	20	0.71		0.67		7		P
Cadmium	mg/Kg	20	0.30	U	0.29	U			P
Calcium	mg/Kg	20	4030		3860		4		P
Chromium	mg/Kg	20	34.6		32.5		6		P
Cobalt	mg/Kg	20	3.69		3.54		4		P
Copper	mg/Kg	20	7.81		7.42		5		P
Iron	mg/Kg	20	15600		15000		4		P
Lead	mg/Kg	20	22.5		21.8		3		P
Magnesium	mg/Kg	20	1160		1100		5		P
Manganese	mg/Kg	20	47.4		45.4		4		P
Nickel	mg/Kg	20	8.23		7.86		5		P
Potassium	mg/Kg	20	984		951		3		P
Selenium	mg/Kg	20	1.01	U	0.96	U			P
Silver	mg/Kg	20	0.51	U	0.48	U			P
Sodium	mg/Kg	20	105		99.7		5		P
Thallium	mg/Kg	20	0.52	J	0.46	J	13		P
Vanadium	mg/Kg	20	21.6		20.7		4		P
Zinc	mg/Kg	20	33.4		31.6		6		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Sample ID:** Q1515-01MS **Client ID:** AU-06-030625MSD

Percent Solids for Sample: 87.7 **Duplicate ID** Q1515-01MSD **Percent Solids for Spike Sample:** 87.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5850		5570		5		P
Antimony	mg/Kg	20	13.2		12.7		4		P
Arsenic	mg/Kg	20	51.3		49.0		5		P
Barium	mg/Kg	20	34.3		31.9		7		P
Beryllium	mg/Kg	20	8.04		7.82		3		P
Cadmium	mg/Kg	20	9.53		9.10		5		P
Calcium	mg/Kg	20	5990		5650		6		P
Chromium	mg/Kg	20	54.7		52.2		5		P
Cobalt	mg/Kg	20	13.8		13.2		4		P
Copper	mg/Kg	20	24.0		23.0		4		P
Iron	mg/Kg	20	17200		16000		7		P
Lead	mg/Kg	20	122		116		5		P
Magnesium	mg/Kg	20	1870		1780		5		P
Manganese	mg/Kg	20	50.3		47.7		5		P
Nickel	mg/Kg	20	32.7		31.1		5		P
Potassium	mg/Kg	20	1710		1580		8		P
Selenium	mg/Kg	20	74.1		70.4		5		P
Silver	mg/Kg	20	3.13		2.90		8		P
Sodium	mg/Kg	20	260		242		7		P
Thallium	mg/Kg	20	93.2		89.5		4		P
Vanadium	mg/Kg	20	37.3		35.5		5		P
Zinc	mg/Kg	20	44.6		42.2		6		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1522-02 **Client ID:** TW-WTS-04DUP

Percent Solids for Sample: NA **Duplicate ID** Q1522-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	386		394		2		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	26.6	J	25.4	J	5		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	103000		101000		2		P
Chromium	ug/L	20	5.00	U	5.00	U			P
Cobalt	ug/L	20	2.45	J	2.56	J	4		P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	120		135		12		P
Lead	ug/L	20	6.92		12.8		60		P
Magnesium	ug/L	20	7520		7360		2		P
Manganese	ug/L	20	54.9		54.4		1		P
Nickel	ug/L	20	12.8	J	12.7	J	1		P
Potassium	ug/L	20	39000		38700		1		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	76300		76900		1		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	15.5	J	18.5	J	18		P

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1522-02MS **Client ID:** TW-WTS-04MSD

Percent Solids for Sample: NA **Duplicate ID** Q1522-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1350		1350		0		P
Antimony	ug/L	20	421		423		0		P
Arsenic	ug/L	20	418		424		1		P
Barium	ug/L	20	112		115		3		P
Beryllium	ug/L	20	95.0		87.6		8		P
Cadmium	ug/L	20	93.7		93.3		0		P
Calcium	ug/L	20	103000		101000		2		P
Chromium	ug/L	20	207		205		1		P
Cobalt	ug/L	20	98.3		98.3		0		P
Copper	ug/L	20	149		149		0		P
Iron	ug/L	20	1510		1570		4		P
Lead	ug/L	20	457		454		1		P
Magnesium	ug/L	20	8500		8190		4		P
Manganese	ug/L	20	160		158		1		P
Nickel	ug/L	20	251		250		0		P
Potassium	ug/L	20	41700		45000		8		P
Selenium	ug/L	20	978		988		1		P
Silver	ug/L	20	30.4		30.0		1		P
Sodium	ug/L	20	72800		77600		6		P
Thallium	ug/L	20	900		901		0		P
Vanadium	ug/L	20	143		141		1		P
Zinc	ug/L	20	119		120		1		P

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Sample ID:** Q1524-02 **Client ID:** VNJ-241DUP

Percent Solids for Sample: 88.9 **Duplicate ID** Q1524-02DUP **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.11		0.13		14		CV

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Sample ID:** Q1524-02MS **Client ID:** VNJ-241MSD

Percent Solids for Sample: 88.9 **Duplicate ID** Q1524-02MSD **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.40		0.39		4		CV

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167024BS							
Aluminum	mg/Kg	86.6	87.4		101	80 - 120	P
Antimony	mg/Kg	34.6	35.4		102	80 - 120	P
Arsenic	mg/Kg	34.6	35.3		102	80 - 120	P
Barium	mg/Kg	8.7	7.41		85	80 - 120	P
Beryllium	mg/Kg	8.7	8.14		94	80 - 120	P
Cadmium	mg/Kg	8.7	8.18		94	80 - 120	P
Calcium	mg/Kg	43.3	41.9	J	97	80 - 120	P
Chromium	mg/Kg	17.3	18.3		106	80 - 120	P
Cobalt	mg/Kg	8.7	8.32		96	80 - 120	P
Copper	mg/Kg	13.0	13.5		104	80 - 120	P
Iron	mg/Kg	130	123		95	80 - 120	P
Lead	mg/Kg	43.3	41.9		97	80 - 120	P
Magnesium	mg/Kg	86.6	78.7	J	91	80 - 120	P
Manganese	mg/Kg	8.7	7.97		92	80 - 120	P
Nickel	mg/Kg	21.6	20.7		96	80 - 120	P
Potassium	mg/Kg	430	395		92	80 - 120	P
Selenium	mg/Kg	86.6	85.3		98	80 - 120	P
Silver	mg/Kg	3.2	3.25		102	80 - 120	P
Sodium	mg/Kg	130	131		101	80 - 120	P
Thallium	mg/Kg	86.6	86.1		99	80 - 120	P
Vanadium	mg/Kg	13.0	12.3		95	80 - 120	P
Zinc	mg/Kg	8.7	9.01		104	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167034BS							
Mercury	ug/L	4.0	4.08		102	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167038BS							
Aluminum	ug/L	1000	1020		102	80 - 120	P
Antimony	ug/L	400	399		100	80 - 120	P
Arsenic	ug/L	400	397		99	80 - 120	P
Barium	ug/L	100	86.1		86	80 - 120	P
Beryllium	ug/L	100	92.7		93	80 - 120	P
Cadmium	ug/L	100	92.4		92	80 - 120	P
Calcium	ug/L	500	513	J	103	80 - 120	P
Chromium	ug/L	200	209		104	80 - 120	P
Cobalt	ug/L	100	94.3		94	80 - 120	P
Copper	ug/L	150	152		101	80 - 120	P
Iron	ug/L	1500	1450		97	80 - 120	P
Lead	ug/L	500	475		95	80 - 120	P
Magnesium	ug/L	1000	920	J	92	80 - 120	P
Manganese	ug/L	100	92.4		92	80 - 120	P
Nickel	ug/L	250	235		94	80 - 120	P
Potassium	ug/L	5000	4630		93	80 - 120	P
Selenium	ug/L	1000	959		96	80 - 120	P
Silver	ug/L	37.5	37.9		101	80 - 120	P
Sodium	ug/L	1500	1520		101	80 - 120	P
Thallium	ug/L	1000	966		97	80 - 120	P
Vanadium	ug/L	150	141		94	80 - 120	P
Zinc	ug/L	100	105		105	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167064BS							
Mercury	mg/Kg	0.25	0.24		94	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

IDW-AQ-MW-19B-COMP-022825L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134958 **Lab Sample ID :** Q1478-01L **SDG No.:** Q1514

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

Concentration Units: ug/L

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

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

AU-06-030625L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb135011 **Lab Sample ID :** Q1515-01L **SDG No.:** Q1514

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	5030		5540		10		P
Antimony	2.52	U	12.6	U			P
Arsenic	15.4		17.9		16		P
Barium	28.5		30.0		5		P
Beryllium	0.71		0.85	J	19		P
Cadmium	0.30	U	1.51	U			P
Calcium	4030		4560		13		P
Chromium	34.6		42.2		22		P
Cobalt	3.69		3.72	J	1		P
Copper	7.81		10.0		28		P
Iron	15600		18500		18		P
Lead	22.5		23.6		5		P
Magnesium	1160		1320		14		P
Manganese	47.4		53.7		13		P
Nickel	8.23		8.49	J	3		P
Potassium	984		1060		8		P
Selenium	1.01	U	5.05	U			P
Silver	0.51	U	2.52	U			P
Sodium	105		505	U	100.0		P
Thallium	0.52	J	10.1	U	100.0		P
Vanadium	21.6		24.5		13		P
Zinc	33.4		39.9		20		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TW-WTS-04L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb135011 **Lab Sample ID :** Q1522-02L **SDG No.:** Q1514

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	386		546		41		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	26.6	J	250	U	100.0		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	103000		103000		0		P
Chromium	5.00	U	25.0	U			P
Cobalt	2.45	J	2.70	J	10		P
Copper	10.0	U	50.0	U			P
Iron	120		126	J	5		P
Lead	6.92		30.0	U	100.0		P
Magnesium	7520		7640		2		P
Manganese	54.9		57.9		5		P
Nickel	12.8	J	13.0	J	2		P
Potassium	39000		36100		7		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	76300		70700		7		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	15.5	J	17.1	J	10		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-241L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134978 **Lab Sample ID :** Q1524-02L **SDG No.:** Q1514

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.11		0.11		3		CV

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metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB134958

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

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0959	HG
S0.2	S0.2	1	1001	HG
S2.5	S2.5	1	1003	HG
S5	S5	1	1006	HG
S7.5	S7.5	1	1013	HG
S10	S10	1	1019	HG
ICV35	ICV35	1	1022	HG
ICB35	ICB35	1	1026	HG
CCV75	CCV75	1	1034	HG
CCB75	CCB75	1	1039	HG
CRA	CRA	1	1041	HG
CCV76	CCV76	1	1109	HG
CCB76	CCB76	1	1111	HG
CCV77	CCV77	1	1148	HG
CCB77	CCB77	1	1153	HG
PB167034BL	PB167034BL	1	1159	HG
PB167034BS	PB167034BS	1	1202	HG
Q1478-01DUP	IDW-AQ-MW-19B-COMP-0228	1	1206	HG
Q1478-01MS	IDW-AQ-MW-19B-COMP-0228	1	1209	HG
Q1478-01MSD	IDW-AQ-MW-19B-COMP-0228	1	1211	HG
CCV78	CCV78	1	1218	HG
CCB78	CCB78	1	1226	HG
Q1514-08	ENV-103-GW01	1	1235	HG
Q1514-09	FB03062025	1	1238	HG
CCV79	CCV79	1	1245	HG
CCB79	CCB79	1	1247	HG
Q1478-01L	IDW-AQ-MW-19B-COMP-0228	5	1259	HG
Q1514-07	ENV-105-GW01	10	1308	HG
CCV80	CCV80	1	1310	HG
CCB80	CCB80	1	1312	HG

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metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB134978

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

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0819	HG
S0.2	S0.2	1	0822	HG
S2.5	S2.5	1	0824	HG
S5	S5	1	0826	HG
S7.5	S7.5	1	0829	HG
S10	S10	1	0831	HG
ICV36	ICV36	1	0834	HG
ICB36	ICB36	1	0839	HG
CCV80	CCV80	1	0841	HG
CCB80	CCB80	1	0843	HG
CRA	CRA	1	0851	HG
PB167064BL	PB167064BL	1	0901	HG
PB167064BS	PB167064BS	1	0905	HG
Q1514-03	ENV-105-SB02	1	0915	HG
Q1514-05	ENV-103-SB01	1	0918	HG
CCV81	CCV81	1	0920	HG
CCB81	CCB81	1	0922	HG
Q1524-02DUP	VNJ-241DUP	1	0932	HG
Q1524-02MS	VNJ-241MS	1	0937	HG
Q1524-02MSD	VNJ-241MSD	1	0939	HG
Q1524-02L	VNJ-241L	5	0941	HG
Q1514-01	ENV-105-SB01	5	0948	HG
CCV82	CCV82	1	0951	HG
CCB82	CCB82	1	0953	HG
CCV83	CCV83	1	0958	HG
CCB83	CCB83	1	1001	HG

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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB135011

Start date: 03/12/2025 **End date:** 03/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1027	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	1031	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	1035	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	1039	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	1044	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	1048	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	1052	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	1056	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	1101	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	1105	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	1109	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	1114	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
PB167038BL	PB167038BL	1	1155	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167038BS	PB167038BS	1	1159	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167024BL	PB167024BL	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167024BS	PB167024BS	1	1207	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	1220	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	1224	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
Q1515-01DUP	AU-06-030625DUP	1	1420	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	1424	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	1428	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	1525	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	1529	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01L	AU-06-030625L	5	1558	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01MS	AU-06-030625MS	1	1602	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01MSD	AU-06-030625MSD	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01A	AU-06-030625A	1	1610	Ba,Be,K,Pb,Sb,Se
CCV06	CCV06	1	1625	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	1630	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1522-02DUP	TW-WTS-04DUP	1	1711	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1522-02L	TW-WTS-04L	5	1716	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	1725	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	1730	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1522-02MS	TW-WTS-04MS	1	1735	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1522-02MSD	TW-WTS-04MSD	1	1739	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	1823	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	1827	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB135011

Start date: 03/12/2025 **End date:** 03/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV09	CCV09	1	1849	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	1853	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB135035

Start date: 03/13/2025 **End date:** 03/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1142	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	1146	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	1150	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	1154	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	1159	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	1203	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	1207	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	1213	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	1217	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	1221	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	1225	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	1230	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	1253	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	1258	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	1349	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	1354	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	1440	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	1448	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	1538	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	1542	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-08	ENV-103-GW01	1	1546	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-09	FB03062025	1	1551	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-01	ENV-105-SB01	1	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-03	ENV-105-SB02	1	1559	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-05	ENV-103-SB01	1	1603	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	1628	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	1632	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1721	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	1725	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-07	ENV-105-GW01	10	1808	Ag,Ca,Fe
CCV07	CCV07	1	1812	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	1835	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-07	ENV-105-GW01	1	1844	Al,As,Ba,Be,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1853	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	1903	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	1912	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	1921	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-07	**ENV-105-GW01**	**Water**			**03/05/25**			**03/06/25**
			Mercury	7470A		03/07/25	03/10/25	
			Metals ICP-TAL	6010D		03/10/25	03/13/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**
			Mercury	7470A		03/07/25	03/10/25	
			Metals ICP-TAL	6010D		03/10/25	03/13/25	
Q1514-09	**FB03062025**	**Water**			**03/06/25**			**03/06/25**
			Mercury	7470A		03/07/25	03/10/25	
			Metals ICP-TAL	6010D		03/10/25	03/13/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167024**						
PB167024BL	PB167024BL	MB	SOLID	03/07/2025	2.31	100.0	100.00
PB167024BS	PB167024BS	LCS	SOLID	03/07/2025	2.31	100.0	100.00
Q1514-01	ENV-105-SB01	SAM	SOLID	03/07/2025	2.41	100.0	91.60
Q1514-03	ENV-105-SB02	SAM	SOLID	03/07/2025	2.32	100.0	81.00
Q1514-05	ENV-103-SB01	SAM	SOLID	03/07/2025	2.29	100.0	89.10
Q1515-01DUP	AU-06-030625DUP	DUP	SOLID	03/07/2025	2.37	100.0	87.70
Q1515-01MS	AU-06-030625MS	MS	SOLID	03/07/2025	2.25	100.0	87.70
Q1515-01MSD	AU-06-030625MSD	MSD	SOLID	03/07/2025	2.36	100.0	87.70

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167034**						
PB167034BL	PB167034BL	MB	WATER	03/07/2025	30.0	30.0	
PB167034BS	PB167034BS	LCS	WATER	03/07/2025	30.0	30.0	
Q1478-01DUP	IDW-AQ-MW-19B-COMP-022825DUP	DUP	WATER	03/07/2025	30.0	30.0	
Q1478-01MS	IDW-AQ-MW-19B-COMP-022825MS	MS	WATER	03/07/2025	30.0	30.0	
Q1478-01MSD	IDW-AQ-MW-19B-COMP-022825MSD	MSD	WATER	03/07/2025	30.0	30.0	
Q1514-07	ENV-105-GW01	SAM	WATER	03/07/2025	30.0	30.0	
Q1514-08	ENV-103-GW01	SAM	WATER	03/07/2025	30.0	30.0	
Q1514-09	FB03062025	SAM	WATER	03/07/2025	30.0	30.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167038**						
PB167038BL	PB167038BL	MB	WATER	03/10/2025	50.0	25.0	
PB167038BS	PB167038BS	LCS	WATER	03/10/2025	50.0	25.0	
Q1514-07	ENV-105-GW01	SAM	WATER	03/10/2025	50.0	25.0	
Q1514-08	ENV-103-GW01	SAM	WATER	03/10/2025	50.0	25.0	
Q1514-09	FB03062025	SAM	WATER	03/10/2025	50.0	25.0	
Q1522-02DUP	TW-WTS-04DUP	DUP	WATER	03/10/2025	50.0	25.0	
Q1522-02MS	TW-WTS-04MS	MS	WATER	03/10/2025	50.0	25.0	
Q1522-02MSD	TW-WTS-04MSD	MSD	WATER	03/10/2025	50.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167064**						
PB167064BL	PB167064BL	MB	SOLID	03/10/2025	0.56	35.0	100.00
PB167064BS	PB167064BS	LCS	SOLID	03/10/2025	0.57	35.0	100.00
Q1514-01	ENV-105-SB01	SAM	SOLID	03/10/2025	0.52	35.0	91.60
Q1514-03	ENV-105-SB02	SAM	SOLID	03/10/2025	0.58	35.0	81.00
Q1514-05	ENV-103-SB01	SAM	SOLID	03/10/2025	0.56	35.0	89.10
Q1524-02DUP	VNJ-241DUP	DUP	SOLID	03/10/2025	0.58	35.0	88.90
Q1524-02MS	VNJ-241MS	MS	SOLID	03/10/2025	0.57	35.0	88.90
Q1524-02MSD	VNJ-241MSD	MSD	SOLID	03/10/2025	0.58	35.0	88.90

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/10/25 09:59		Mohan	OK
2	S0.2	S0.2	CAL2	03/10/25 10:01		Mohan	OK
3	S2.5	S2.5	CAL3	03/10/25 10:03		Mohan	OK
4	S5	S5	CAL4	03/10/25 10:06		Mohan	OK
5	S7.5	S7.5	CAL5	03/10/25 10:13		Mohan	OK
6	S10	S10	CAL6	03/10/25 10:19		Mohan	OK
7	ICV35	ICV35	ICV	03/10/25 10:22		Mohan	OK
8	ICB35	ICB35	ICB	03/10/25 10:26		Mohan	OK
9	CCV75	CCV75	CCV	03/10/25 10:34		Mohan	OK
10	CCB75	CCB75	CCB	03/10/25 10:39		Mohan	OK
11	CRA	CRA	CRDL	03/10/25 10:41		Mohan	OK
12	HighStd	HighStd	HIGH STD	03/10/25 10:43		Mohan	OK
13	ChkStd	ChkStd	SAM	03/10/25 10:46		Mohan	OK
14	PB167033BL	PB167033BL	MB	03/10/25 10:53		Mohan	OK
15	PB167033BS	PB167033BS	LCS	03/10/25 10:56		Mohan	OK
16	Q1488-02	ENV-101-SB01	SAM	03/10/25 10:58		Mohan	OK
17	Q1488-04	ENV-101-SB02	SAM	03/10/25 11:00		Mohan	OK
18	Q1488-06	ENV-102-SB01	SAM	03/10/25 11:02		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

19	Q1488-08	ENV-102-SB02	SAM	03/10/25 11:05		Mohan	OK
20	Q1488-10	ENV-104-SB01	SAM	03/10/25 11:07		Mohan	OK
21	CCV76	CCV76	CCV	03/10/25 11:09		Mohan	OK
22	CCB76	CCB76	CCB	03/10/25 11:11		Mohan	OK
23	Q1488-12	ENV-104-SB02	SAM	03/10/25 11:14		Mohan	OK
24	Q1490-02	CLAY-SLUDGE-DRUI	SAM	03/10/25 11:16		Mohan	OK
25	Q1494-04	ASPHALT-SOIL	SAM	03/10/25 11:18		Mohan	OK
26	Q1494-06	SOIL	SAM	03/10/25 11:20		Mohan	OK
27	Q1494-08	SOIL-COMP	SAM	03/10/25 11:23		Mohan	OK
28	Q1510-01	FMC-25-0001-0005	SAM	03/10/25 11:25		Mohan	OK
29	Q1514-02	ENV-105-SB01	SAM	03/10/25 11:27		Mohan	OK
30	Q1514-04	ENV-105-SB02	SAM	03/10/25 11:30		Mohan	OK
31	Q1514-06	ENV-103-SB01	SAM	03/10/25 11:39		Mohan	OK
32	Q1514-06DUP	ENV-103-SB01DUP	DUP	03/10/25 11:41		Mohan	OK
33	CCV77	CCV77	CCV	03/10/25 11:48		Mohan	OK
34	CCB77	CCB77	CCB	03/10/25 11:53		Mohan	OK
35	Q1514-06MS	ENV-103-SB01MS	MS	03/10/25 11:55		Mohan	OK
36	Q1514-06MSD	ENV-103-SB01MSD	MSD	03/10/25 11:57		Mohan	OK
37	PB167034BL	PB167034BL	MB	03/10/25 11:59		Mohan	OK
38	PB167034BS	PB167034BS	LCS	03/10/25 12:02		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

39	Q1478-01	IDW-AQ-MW-19B-CO	SAM	03/10/25 12:04		Mohan	OK
40	Q1478-01DUP	IDW-AQ-MW-19B-CO	DUP	03/10/25 12:06		Mohan	OK
41	Q1478-01MS	IDW-AQ-MW-19B-CO	MS	03/10/25 12:09		Mohan	OK
42	Q1478-01MSD	IDW-AQ-MW-19B-CO	MSD	03/10/25 12:11		Mohan	OK
43	Q1478-03	IDW-AQ-IW-01-COMP	SAM	03/10/25 12:13		Mohan	OK
44	Q1478-05	IDW-AQ-IW-02-COMP	SAM	03/10/25 12:15		Mohan	OK
45	CCV78	CCV78	CCV	03/10/25 12:18		Mohan	OK
46	CCB78	CCB78	CCB	03/10/25 12:26		Mohan	OK
47	Q1478-07	IDW-AQ-IW-03-COMP	SAM	03/10/25 12:28		Mohan	OK
48	Q1494-01	PURGE-WATER	SAM	03/10/25 12:30		Mohan	OK
49	Q1514-07	ENV-105-GW01	SAM	03/10/25 12:32	High	Mohan	Dilution
50	Q1514-08	ENV-103-GW01	SAM	03/10/25 12:35		Mohan	OK
51	Q1514-09	FB03062025	SAM	03/10/25 12:38		Mohan	OK
52	Q1516-03	GAS-AUD-25-0026	SAM	03/10/25 12:40		Mohan	OK
53	Q1517-01	MOO-25-0062	SAM	03/10/25 12:42		Mohan	OK
54	CCV79	CCV79	CCV	03/10/25 12:45		Mohan	OK
55	CCB79	CCB79	CCB	03/10/25 12:47		Mohan	OK
56	PB167020TB	PB167020TB	MB	03/10/25 12:49		Mohan	OK
57	Q1514-06L	ENV-103-SB01L	SD	03/10/25 12:55		Mohan	OK
58	Q1514-06A	ENV-103-SB01A	PS	03/10/25 12:57		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

59	Q1478-01L	IDW-AQ-MW-19B-CO	SD	03/10/25 12:59		Mohan	OK
60	Q1478-01A	IDW-AQ-MW-19B-CO	PS	03/10/25 13:05		Mohan	OK
61	Q1514-07DL	ENV-105-GW01DL	SAM	03/10/25 13:08	Report 10X	Mohan	Confirms
62	CCV80	CCV80	CCV	03/10/25 13:10		Mohan	OK
63	CCB80	CCB80	CCB	03/10/25 13:12		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134978

Review By	Mohan	Review On	3/12/2025 11:53:01 AM
Supervise By	jaswal	Supervise On	3/12/2025 10:40:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP84813,MP84814,MP84815,MP84816,MP84817,MP84818
ICV Standard	MP84819
CCV Standard	MP84821
ICSA Standard	
CRI Standard	MP84823
LCS Standard	
Chk Standard	MP84820,MP84822,MP84824,MP84843

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/11/25 08:19		Mohan	OK
2	S0.2	S0.2	CAL2	03/11/25 08:22		Mohan	OK
3	S2.5	S2.5	CAL3	03/11/25 08:24		Mohan	OK
4	S5	S5	CAL4	03/11/25 08:26		Mohan	OK
5	S7.5	S7.5	CAL5	03/11/25 08:29		Mohan	OK
6	S10	S10	CAL6	03/11/25 08:31		Mohan	OK
7	ICV36	ICV36	ICV	03/11/25 08:34		Mohan	OK
8	ICB36	ICB36	ICB	03/11/25 08:39		Mohan	OK
9	CCV80	CCV80	CCV	03/11/25 08:41		Mohan	OK
10	CCB80	CCB80	CCB	03/11/25 08:43		Mohan	OK
11	CRA	CRA	CRDL	03/11/25 08:51		Mohan	OK
12	HighStd	HighStd	HIGH STD	03/11/25 08:53		Mohan	OK
13	ChkStd	ChkStd	SAM	03/11/25 08:56		Mohan	OK
14	PB167064BL	PB167064BL	MB	03/11/25 09:01		Mohan	OK
15	PB167064BS	PB167064BS	LCS	03/11/25 09:05		Mohan	OK
16	Q1507-01	50-MIDDLESEX-AVE	SAM	03/11/25 09:07	High	Mohan	Dilution
17	Q1508-01	RBR251372	SAM	03/11/25 09:10		Mohan	OK
18	Q1514-01	ENV-105-SB01	SAM	03/11/25 09:12	High	Mohan	Dilution

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134978

Review By	Mohan	Review On	3/12/2025 11:53:01 AM
Supervise By	jaswal	Supervise On	3/12/2025 10:40:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP84813,MP84814,MP84815,MP84816,MP84817,MP84818
ICV Standard	MP84819
CCV Standard	MP84821
ICSA Standard	
CRI Standard	MP84823
LCS Standard	
Chk Standard	MP84820,MP84822,MP84824,MP84843

19	Q1514-03	ENV-105-SB02	SAM	03/11/25 09:15		Mohan	OK
20	Q1514-05	ENV-103-SB01	SAM	03/11/25 09:18		Mohan	OK
21	CCV81	CCV81	CCV	03/11/25 09:20		Mohan	OK
22	CCB81	CCB81	CCB	03/11/25 09:22		Mohan	OK
23	Q1515-01	AU-06-030625	SAM	03/11/25 09:24		Mohan	OK
24	Q1524-01	72-11930-343-COMP	SAM	03/11/25 09:27	High	Mohan	Dilution
25	Q1524-02	VNJ-241	SAM	03/11/25 09:29		Mohan	OK
26	Q1524-02DUP	VNJ-241DUP	DUP	03/11/25 09:32		Mohan	OK
27	Q1524-02MS	VNJ-241MS	MS	03/11/25 09:37		Mohan	OK
28	Q1524-02MSD	VNJ-241MSD	MSD	03/11/25 09:39		Mohan	OK
29	Q1524-02L	VNJ-241L	SD	03/11/25 09:41		Mohan	OK
30	Q1524-02A	VNJ-241A	PS	03/11/25 09:44		Mohan	OK
31	Q1507-01DL	50-MIDDLESEX-AVE	SAM	03/11/25 09:46	Report 5X	Mohan	Confirms
32	Q1514-01DL	ENV-105-SB01DL	SAM	03/11/25 09:48	Report 5X	Mohan	Confirms
33	CCV82	CCV82	CCV	03/11/25 09:51		Mohan	OK
34	CCB82	CCB82	CCB	03/11/25 09:53		Mohan	OK
35	Q1524-01DL	72-11930-343-COMP	SAM	03/11/25 09:56	Report 5X	Mohan	Confirms
36	CCV83	CCV83	CCV	03/11/25 09:58		Mohan	OK
37	CCB83	CCB83	CCB	03/11/25 10:01		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 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	03/12/25 10:27		Kareem	OK
2	S1	S1	CAL2	03/12/25 10:31		Kareem	OK
3	S2	S2	CAL3	03/12/25 10:35		Kareem	OK
4	S3	S3	CAL4	03/12/25 10:39		Kareem	OK
5	S4	S4	CAL5	03/12/25 10:44		Kareem	OK
6	S5	S5	CAL6	03/12/25 10:48		Kareem	OK
7	ICV01	ICV01	ICV	03/12/25 10:52	ICV As,Be,Tl,Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/12/25 10:56		Kareem	OK
9	ICB01	ICB01	ICB	03/12/25 11:01		Kareem	OK
10	CRI01	CRI01	CRDL	03/12/25 11:05		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/12/25 11:09		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/12/25 11:14		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/12/25 11:21		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/12/25 11:25		Kareem	OK
15	CCV01	CCV01	CCV	03/12/25 11:29		Kareem	OK
16	CCB01	CCB01	CCB	03/12/25 11:34		Kareem	OK
17	PB167037BL	PB167037BL	MB	03/12/25 11:38		Kareem	OK
18	PB167037BS	PB167037BS	LCS	03/12/25 11:42	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 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	PB166981BL	PB166981BL	MB	03/12/25 11:46		Kareem	OK
20	PB166981BS	PB166981BS	LCS	03/12/25 11:51	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
21	PB167038BL	PB167038BL	MB	03/12/25 11:55		Kareem	OK
22	PB167038BS	PB167038BS	LCS	03/12/25 11:59	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
23	PB167024BL	PB167024BL	MB	03/12/25 12:03		Kareem	OK
24	PB167024BS	PB167024BS	LCS	03/12/25 12:07	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
25	PB167100BL	PB167100BL	MB	03/12/25 12:11		Kareem	OK
26	PB167100BS	PB167100BS	LCS	03/12/25 12:16	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	CCV02	CCV02	CCV	03/12/25 12:20		Kareem	OK
28	CCB02	CCB02	CCB	03/12/25 12:24		Kareem	OK
29	PB166977BL	PB166977BL	MB	03/12/25 12:28		Kareem	OK
30	PB166977BS	PB166977BS	LCS	03/12/25 12:33	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
31	PB166963BL	PB166963BL	MB	03/12/25 12:37	Ba fail LCS	Kareem	Not Ok
32	PB166963BS	PB166963BS	LCS	03/12/25 12:41	Ba fail LCS	Kareem	Not Ok
33	Q1466-05	CITY WATER	SAM	03/12/25 12:49		Kareem	OK
34	Q1466-05DUP	CITY WATERDUP	DUP	03/12/25 12:53		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 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

35	Q1466-05L	CITY WATERL	SD	03/12/25 12:58		Kareem	OK
36	Q1466-05MS	CITY WATERMS	MS	03/12/25 13:02	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
37	Q1466-05MSD	CITY WATERMSD	MSD	03/12/25 13:06	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
38	CCV03	CCV03	CCV	03/12/25 13:10		Kareem	OK
39	CCB03	CCB03	CCB	03/12/25 13:14		Kareem	OK
40	Q1466-05A	CITY WATERA	PS	03/12/25 13:18	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
41	Q1507-01	50-MIDDLESEX-AVE	SAM	03/12/25 13:22		Kareem	OK
42	Q1508-01	RBR251372	SAM	03/12/25 13:27		Kareem	OK
43	Q1510-01	FMC-25-0001-0005	SAM	03/12/25 13:31		Kareem	OK
44	PB167098BL	PB167098BL	MB	03/12/25 13:59		Kareem	OK
45	PB167098BS	PB167098BS	LCS	03/12/25 14:03	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
46	PB167099BL	PB167099BL	MB	03/12/25 14:07		Kareem	OK
47	PB167099BS	PB167099BS	LCS	03/12/25 14:12	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
48	Q1515-01	AU-06-030625	SAM	03/12/25 14:16		Kareem	OK
49	Q1515-01DUP	AU-06-030625DUP	DUP	03/12/25 14:20		Kareem	OK
50	CCV04	CCV04	CCV	03/12/25 14:24		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 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

51	CCB04	CCB04	CCB	03/12/25 14:28		Kareem	OK
52	Q1540-01	OU4-CF-15R-031025	SAM	03/12/25 14:32		Kareem	OK
53	Q1540-01DUP	OU4-CF-15R-031025	DUP	03/12/25 14:37		Kareem	OK
54	Q1540-01L	OU4-CF-15R-031025	SD	03/12/25 14:41		Kareem	OK
55	Q1540-01A	OU4-CF-15R-031025	PS	03/12/25 14:58	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
56	PB167088TB	PB167088TB	MB	03/12/25 15:02		Kareem	OK
57	Q1545-01	BU-02-031125	SAM	03/12/25 15:06		Kareem	OK
58	Q1545-01DUP	BU-02-031125DUP	DUP	03/12/25 15:11		Kareem	OK
59	Q1545-01L	BU-02-031125L	SD	03/12/25 15:15		Kareem	OK
60	CCV05	CCV05	CCV	03/12/25 15:25		Kareem	OK
61	CCB05	CCB05	CCB	03/12/25 15:29		Kareem	OK
62	Q1545-01MS	BU-02-031125MS	MS	03/12/25 15:33	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
63	Q1545-01MSD	BU-02-031125MSD	MSD	03/12/25 15:37	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
64	Q1545-01A	BU-02-031125A	PS	03/12/25 15:41	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
65	Q1547-01	OR-620-JB-COMP-01	SAM	03/12/25 15:45		Kareem	OK
66	Q1547-06	OR-620-JB-COMP-02	SAM	03/12/25 15:49		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 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

67	Q1549-01	72-11978	SAM	03/12/25 15:54		Kareem	OK
68	Q1515-01L	AU-06-030625L	SD	03/12/25 15:58		Kareem	OK
69	Q1515-01MS	AU-06-030625MS	MS	03/12/25 16:02	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
70	Q1515-01MSD	AU-06-030625MSD	MSD	03/12/25 16:06	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
71	Q1515-01A	AU-06-030625A	PS	03/12/25 16:10	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
72	CCV06	CCV06	CCV	03/12/25 16:25		Kareem	OK
73	CCB06	CCB06	CCB	03/12/25 16:30		Kareem	OK
74	Q1540-01MS	OU4-CF-15R-031025I	MS	03/12/25 16:34	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
75	Q1540-01MSD	OU4-CF-15R-031025I	MSD	03/12/25 16:38	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
76	Q1516-03	GAS-AUD-25-0026	SAM	03/12/25 16:42		Kareem	OK
77	Q1519-01	WATER TREATMENT	SAM	03/12/25 16:47		Kareem	OK
78	LR1	LR1	HIGH STD	03/12/25 16:53		Kareem	OK
79	LR2	LR2	HIGH STD	03/12/25 16:58		Kareem	OK
80	Q1517-01DL	MOO-25-0062DL	SAM	03/12/25 17:02		Kareem	OK
81	Q1522-02	TW-WTS-04	SAM	03/12/25 17:07		Kareem	OK
82	Q1522-02DUP	TW-WTS-04DUP	DUP	03/12/25 17:11		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 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

83	Q1522-02L	TW-WTS-04L	SD	03/12/25 17:16		Kareem	OK
84	CCV07	CCV07	CCV	03/12/25 17:25		Kareem	OK
85	CCB07	CCB07	CCB	03/12/25 17:30		Kareem	OK
86	Q1522-02MS	TW-WTS-04MS	MS	03/12/25 17:35	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
87	Q1522-02MSD	TW-WTS-04MSD	MSD	03/12/25 17:39	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
88	Q1522-02A	TW-WTS-04A	PS	03/12/25 17:43	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
89	Q1478-07	IDW-AQ-IW-03-COMP	SAM	03/12/25 17:47		Kareem	OK
90	Q1478-07DUP	IDW-AQ-IW-03-COMP	DUP	03/12/25 17:52		Kareem	OK
91	Q1478-07L	IDW-AQ-IW-03-COMP	SD	03/12/25 17:56		Kareem	OK
92	Q1478-07MS	IDW-AQ-IW-03-COMP	MS	03/12/25 18:00	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
93	Q1478-07MSD	IDW-AQ-IW-03-COMP	MSD	03/12/25 18:05	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
94	Q1478-07A	IDW-AQ-IW-03-COMP	PS	03/12/25 18:09	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
95	Q1478-01	IDW-AQ-MW-19B-CO	SAM	03/12/25 18:13		Kareem	OK
96	CCV08	CCV08	CCV	03/12/25 18:23		Kareem	OK
97	CCB08	CCB08	CCB	03/12/25 18:27		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 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

98	Q1478-03	IDW-AQ-IW-01-COMP	SAM	03/12/25 18:31		Kareem	OK
99	Q1478-05	IDW-AQ-IW-02-COMP	SAM	03/12/25 18:36		Kareem	OK
100	Q1477-01	RW7-SP100-2025022	SAM	03/12/25 18:40		Kareem	OK
101	Q1477-04	RW7-SP303-2025022	SAM	03/12/25 18:44		Kareem	OK
102	CCV09	CCV09	CCV	03/12/25 18:49		Kareem	OK
103	CCB09	CCB09	CCB	03/12/25 18:53		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

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

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/13/25 11:42		Kareem	OK
2	S1	S1	CAL2	03/13/25 11:46		Kareem	OK
3	S2	S2	CAL3	03/13/25 11:50		Kareem	OK
4	S3	S3	CAL4	03/13/25 11:54		Kareem	OK
5	S4	S4	CAL5	03/13/25 11:59		Kareem	OK
6	S5	S5	CAL6	03/13/25 12:03		Kareem	OK
7	ICV01	ICV01	ICV	03/13/25 12:07		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/13/25 12:13		Kareem	OK
9	ICB01	ICB01	ICB	03/13/25 12:17		Kareem	OK
10	CRI01	CRI01	CRDL	03/13/25 12:21		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/13/25 12:25		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/13/25 12:30		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/13/25 12:34		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/13/25 12:38		Kareem	OK
15	CCV01	CCV01	CCV	03/13/25 12:53		Kareem	OK
16	CCB01	CCB01	CCB	03/13/25 12:58		Kareem	OK
17	PB166963BL	PB166963BL	MB	03/13/25 13:02		Kareem	OK
18	PB166963BS	PB166963BS	LCS	03/13/25 13:06		Kareem	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

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

19	PB167116BL	PB167116BL	MB	03/13/25 13:10		Kareem	OK
20	PB167116BS	PB167116BS	LCS	03/13/25 13:15		Kareem	OK
21	Q1485-01	DN-B-41	SAM	03/13/25 13:19		Kareem	OK
22	Q1486-01	DN-B-40	SAM	03/13/25 13:23		Kareem	OK
23	Q1487-01	DN-B-42	SAM	03/13/25 13:27		Kareem	OK
24	Q1488-04	ENV-101-SB02	SAM	03/13/25 13:31		Kareem	OK
25	Q1488-06	ENV-102-SB01	SAM	03/13/25 13:35		Kareem	OK
26	Q1488-08	ENV-102-SB02	SAM	03/13/25 13:40		Kareem	OK
27	CCV02	CCV02	CCV	03/13/25 13:49		Kareem	OK
28	CCB02	CCB02	CCB	03/13/25 13:54		Kareem	OK
29	Q1488-10	ENV-104-SB01	SAM	03/13/25 13:58		Kareem	OK
30	Q1488-12	ENV-104-SB02	SAM	03/13/25 14:02		Kareem	OK
31	Q1488-14	ENV-104-GW01	SAM	03/13/25 14:07		Kareem	OK
32	Q1488-01	ENV-101-SB01	SAM	03/13/25 14:11		Kareem	OK
33	Q1488-03	ENV-101-SB02	SAM	03/13/25 14:15		Kareem	OK
34	Q1488-05	ENV-102-SB01	SAM	03/13/25 14:19		Kareem	OK
35	Q1488-07	ENV-102-SB02	SAM	03/13/25 14:23		Kareem	OK
36	Q1488-09	ENV-104-SB01	SAM	03/13/25 14:27		Kareem	OK
37	Q1488-11	ENV-104-SB02	SAM	03/13/25 14:31		Kareem	OK
38	Q1491-02	COMP	SAM	03/13/25 14:35		Kareem	OK

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

Instrument ID: P4

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Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

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CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

39	CCV03	CCV03	CCV	03/13/25 14:40		Kareem	OK
40	CCB03	CCB03	CCB	03/13/25 14:48		Kareem	OK
41	Q1495-01	001-WILLETS-PT-BL	SAM	03/13/25 14:53		Kareem	OK
42	Q1495-02	002-35TH-AVE(MAR)	SAM	03/13/25 14:57		Kareem	OK
43	Q1514-02	ENV-105-SB01	SAM	03/13/25 15:01		Kareem	OK
44	Q1514-04	ENV-105-SB02	SAM	03/13/25 15:06		Kareem	OK
45	Q1514-06	ENV-103-SB01	SAM	03/13/25 15:10		Kareem	OK
46	Q1514-06DUP	ENV-103-SB01DUP	DUP	03/13/25 15:15		Kareem	OK
47	Q1514-06L	ENV-103-SB01L	SD	03/13/25 15:19		Kareem	OK
48	Q1514-06MS	ENV-103-SB01MS	MS	03/13/25 15:23		Kareem	OK
49	Q1514-06MSD	ENV-103-SB01MSD	MSD	03/13/25 15:28		Kareem	OK
50	Q1514-06A	ENV-103-SB01A	PS	03/13/25 15:34		Kareem	OK
51	CCV04	CCV04	CCV	03/13/25 15:38		Kareem	OK
52	CCB04	CCB04	CCB	03/13/25 15:42		Kareem	OK
53	Q1514-08	ENV-103-GW01	SAM	03/13/25 15:46		Kareem	OK
54	Q1514-09	FB03062025	SAM	03/13/25 15:51		Kareem	OK
55	Q1514-01	ENV-105-SB01	SAM	03/13/25 15:55		Kareem	OK
56	Q1514-03	ENV-105-SB02	SAM	03/13/25 15:59		Kareem	OK
57	Q1514-05	ENV-103-SB01	SAM	03/13/25 16:03		Kareem	OK
58	Q1525-01	MW10	SAM	03/13/25 16:08	Mn high	Kareem	Dilution

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ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

59	Q1552-01	NB-418-JB-COMP-01	SAM	03/13/25 16:12		Kareem	OK
60	Q1553-01	RT2321	SAM	03/13/25 16:16		Kareem	OK
61	Q1556-01	OR-02-031225	SAM	03/13/25 16:20	MS,MSD fail for many parameters	Kareem	Not Ok
62	Q1556-01DUP	OR-02-031225DUP	DUP	03/13/25 16:24	MS,MSD fail for many parameters	Kareem	Not Ok
63	CCV05	CCV05	CCV	03/13/25 16:28		Kareem	OK
64	CCB05	CCB05	CCB	03/13/25 16:32		Kareem	OK
65	Q1556-01L	OR-02-031225L	SD	03/13/25 16:37	MS,MSD fail for many parameters	Kareem	Not Ok
66	Q1556-01MS	OR-02-031225MS	MS	03/13/25 16:41	Fail for many parameters	Kareem	Not Ok
67	Q1556-01MSD	OR-02-031225MSD	MSD	03/13/25 16:45	Fail for many parameters	Kareem	Not Ok
68	Q1556-01A	OR-02-031225A	PS	03/13/25 16:49	MS,MSD fail for many parameters	Kareem	Not Ok
69	LR1	LR1	HIGH STD	03/13/25 16:53		Kareem	OK
70	LR2	LR2	HIGH STD	03/13/25 16:58		Kareem	OK
71	PB167103TB	PB167103TB	MB	03/13/25 17:04		Kareem	OK
72	Q1547-05	OR-620-JB-COMP-01	SAM	03/13/25 17:08		Kareem	OK
73	Q1547-05DUP	OR-620-JB-COMP-01	DUP	03/13/25 17:13		Kareem	OK
74	Q1547-05L	OR-620-JB-COMP-01	SD	03/13/25 17:17		Kareem	OK
75	CCV06	CCV06	CCV	03/13/25 17:21		Kareem	OK
76	CCB06	CCB06	CCB	03/13/25 17:25		Kareem	OK
77	Q1547-05MS	OR-620-JB-COMP-01	MS	03/13/25 17:30		Kareem	OK

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ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

78	Q1547-05MSD	OR-620-JB-COMP-01	MSD	03/13/25 17:34		Kareem	OK
79	Q1547-05A	OR-620-JB-COMP-01	PS	03/13/25 17:38		Kareem	OK
80	Q1547-10	OR-620-JB-COMP-02	SAM	03/13/25 17:42		Kareem	OK
81	Q1552-05	NB-418-JB-COMP-01	SAM	03/13/25 17:47		Kareem	OK
82	PB167117BL	PB167117BL	MB	03/13/25 17:51		Kareem	OK
83	PB167117BS	PB167117BS	LCS	03/13/25 17:55		Kareem	OK
84	Q1525-01DL	MW10DL	SAM	03/13/25 17:59	5X for Mn	Kareem	Confirms
85	Q1488-13DL	ENV-102-GW01DL	SAM	03/13/25 18:04	10X for Ag	Kareem	Confirms
86	Q1514-07DL	ENV-105-GW01DL	SAM	03/13/25 18:08	10X for Ca,Ag,Fe	Kareem	Confirms
87	CCV07	CCV07	CCV	03/13/25 18:12		Kareem	OK
88	CCB07	CCB07	CCB	03/13/25 18:35		Kareem	OK
89	Q1488-13	ENV-102-GW01	SAM	03/13/25 18:39	Ag oversaturated	Kareem	Dilution
90	Q1514-07	ENV-105-GW01	SAM	03/13/25 18:44	Ag oversaturated,Ca,Fe high	Kareem	Dilution
91	Q1488-13REDL	ENV-102-GW01RE	SAM	03/13/25 18:49	Not used	Kareem	Not Ok
92	CCV08	CCV08	CCV	03/13/25 18:53		Kareem	OK
93	CCB08	CCB08	CCB	03/13/25 19:03		Kareem	OK
94	Q1528-02	22725	SAM	03/13/25 19:07		Kareem	OK
95	CCV09	CCV09	CCV	03/13/25 19:12		Kareem	OK
96	CCB09	CCB09	CCB	03/13/25 19:21		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167024

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

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

Start Digest Date: 03/07/2025 **Time :** 09:20 **Temp :** 96 °C

End Digest Date: 03/07/2025 **Time :** 11:30 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: jgp

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6003
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	M6151
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
3/7/25 12:00	jgp / Met dig.	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167024

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB167024BL	PBS024	N/A	2.31	100	Colorless	Colorless	Fine	N/A	N/A	1
PB167024BS	LCS024	N/A	2.31	100	Colorless	Colorless	Fine	N/A	M6003,M6011	2
Q1507-01	50-MIDDLESEX-AVE	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	3
Q1508-01	RBR251372	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	4
Q1514-01	ENV-105-SB01	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	5
Q1514-03	ENV-105-SB02	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	6
Q1514-05	ENV-103-SB01	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	7
Q1515-01	AU-06-030625	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	8
Q1515-01MS	AU-06-030625MS	N/A	2.25	100	Brown	Yellow	Medium	N/A	M6003,M6011	10
Q1515-01MSD	AU-06-030625MSD	N/A	2.36	100	Brown	Yellow	Medium	N/A	M6003,M6011	11
Q1515-01DUP	AU-06-030625DUP	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	9

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167034

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

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

Start Digest Date: 03/07/2025 **Time :** 14:40 **Temp :** 95 °C

End Digest Date: 03/07/2025 **Time :** 16:40 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: NB

Supervisor Signature: N2

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84799
CCV	30mL	MP84801
CRA	30mL	MP84803
Blank Spike	0.48mL	MP84792
Matrix Spike	0.48mL	MP84792

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	MP84793
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84794
2.5 ppb	S2.5	30mL	MP84795
5.0 ppb	S5.0	30mL	MP84796
7.5 ppb	S7.5	30mL	MP84797
10.0 ppb	S10.0	30mL	MP84798
ICV	ICV	30mL	MP84799
ICB	ICB	30mL	MP84800
CCV	CCV	30mL	MP84801
CCB	CCB	30mL	MP84802
CRI	CRI	30mL	MP84803
CHK STD	CHK STD	30mL	MP84804

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25 @ 17:10	NB – HG Lab	NB – Extraction Lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167034

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB167034BL	PBW034	30	30	<2	N/A	3-21
PB167034BS	LCS034	30	30	<2	MP84792	22
Q1478-01DUP	IDW-AQ-MW-19B-COMP-022825DUP	30	30	<2	N/A	24
Q1478-01MS	IDW-AQ-MW-19B-COMP-022825MS	30	30	<2	MP84792	25
Q1478-01MSD	IDW-AQ-MW-19B-COMP-022825MSD	30	30	<2	MP84792	26
Q1478-01	IDW-AQ-MW-19B-COMP-022825	30	30	<2	N/A	23
Q1478-03	IDW-AQ-IW-01-COMP-022825	30	30	<2	N/A	27
Q1478-05	IDW-AQ-IW-02-COMP-022825	30	30	<2	N/A	28
Q1478-07	IDW-AQ-IW-03-COMP-022825	30	30	<2	N/A	29
Q1494-01	PURGE-WATER	30	30	<2	N/A	30
Q1514-07	ENV-105-GW01	30	30	<2	N/A	31
Q1514-08	ENV-103-GW01	30	30	<2	N/A	32
Q1514-09	FB03062025	30	30	<2	N/A	33
Q1516-03	GAS-AUD-25-0026	30	30	<2	N/A	34
Q1517-01	MOO-25-0062	30	30	<2	N/A	35

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167038

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 03/10/2025 **Time :** 08:55 **Temp :** 96 °C

End Digest Date: 03/10/2025 **Time :** 12:05 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
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	MP84720
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL 55 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/10/25 13:05	SPD. met-dig.	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167038

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167038BL	PBW038	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB167038BS	LCS038	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	2
Q1514-07	ENV-105-GW01	<2	50	25	Brown	Brown	Cloudy	Clear	N/A	3
Q1514-08	ENV-103-GW01	<2	50	25	Brown	Brown	Cloudy	Clear	N/A	4
Q1514-09	FB03062025	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q1516-03	GAS-AUD-25-0026	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q1517-01	MOO-25-0062	<2	50	25	Pink	Pink	Clear	Clear	N/A	7
Q1519-01	WATER TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q1522-02	TW-WTS-04	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
Q1522-02MS	TW-WTS-04MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	11
Q1522-02MSD	TW-WTS-04MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	12
Q1522-02DUP	TW-WTS-04DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10
Q1525-01	MW10	<2	50	25	Light Brown	Colorless	Cloudy	Clear	N/A	13

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167064

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pippete 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: 03/10/2025 **Time :** 09:25 **Temp :** 94 °C

End Digest Date: 03/10/2025 **Time :** 09:55 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84819
CCV	30mL	MP84821
CRA	30mL	MP84823
Blank Spike	0.48mL	MP84812
Matrix Spike	0.48mL	MP84812

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP84825
KMnO4 (5%)	4.5mL	MP84564
Hydroxylamine HCL (12%)	2.0mL	MP84566
TCLP-FLUID-1	----------	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	MP84813
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84814
2.5 ppb	S2.5	30mL	MP84815
5.0 ppb	S5.0	30mL	MP84816
7.5 ppb	S7.5	30mL	MP84817
10.0 ppb	S10.0	30mL	MP84818
ICV	ICV	30mL	MP84819
ICB	ICB	30mL	MP84820
CCV	CCV	30mL	MP84821
CCB	CCB	30mL	MP84822
CRI	CRI	30mL	MP84823
CHK STD	CHK STD	30mL	MP84824

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/10/25 @ 10:35	HG- Dig. Lab	HG- metal lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167064

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB167064BL	PBS064	0.56	35	NA	N/A	3-1
PB167064BS	LCS064	0.57	35	NA	MP84812	2
Q1507-01	50-MIDDLESEX-AVE	0.51	35	NA	N/A	3
Q1508-01	RBR251372	0.50	35	NA	N/A	4
Q1514-01	ENV-105-SB01	0.52	35	NA	N/A	5
Q1514-03	ENV-105-SB02	0.58	35	NA	N/A	6
Q1514-05	ENV-103-SB01	0.56	35	NA	N/A	7
Q1515-01	AU-06-030625	0.53	35	NA	N/A	8
Q1524-01	72-11930-343-COMP	0.53	35	NA	N/A	9
Q1524-02	VNJ-241	0.56	35	NA	N/A	10
Q1524-02DUP	VNJ-241DUP	0.58	35	NA	N/A	11
Q1524-02MS	VNJ-241MS	0.57	35	NA	MP84812	12
Q1524-02MSD	VNJ-241MSD	0.58	35	NA	MP84812	13

A B C D E F G H I J