

Hit Summary Sheet SW-846

SDG No.: P4460 **Order ID:** P4460
Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WB-303-TOP								
P4460-02	WB-303-TOP	SOIL	Aluminum	8830	J	4.23	8.79	mg/Kg
P4460-02	WB-303-TOP	SOIL	Antimony	2.35		0.26	4.39	mg/Kg
P4460-02	WB-303-TOP	SOIL	Arsenic	68.3		0.51	1.76	mg/Kg
P4460-02	WB-303-TOP	SOIL	Barium	124		1.12	8.79	mg/Kg
P4460-02	WB-303-TOP	SOIL	Beryllium	0.72		0.021	0.53	mg/Kg
P4460-02	WB-303-TOP	SOIL	Cadmium	3.74		0.028	0.53	mg/Kg
P4460-02	WB-303-TOP	SOIL	Calcium	2300		4.92	176	mg/Kg
P4460-02	WB-303-TOP	SOIL	Chromium	145		0.095	0.88	mg/Kg
P4460-02	WB-303-TOP	SOIL	Cobalt	10.1		0.10	2.64	mg/Kg
P4460-02	WB-303-TOP	SOIL	Copper	341		0.83	1.76	mg/Kg
P4460-02	WB-303-TOP	SOIL	Iron	21900	D	4.73	8.79	mg/Kg
P4460-02	WB-303-TOP	SOIL	Lead	306		0.26	1.05	mg/Kg
P4460-02	WB-303-TOP	SOIL	Magnesium	3900		6.03	176	mg/Kg
P4460-02	WB-303-TOP	SOIL	Manganese	189		0.13	1.76	mg/Kg
P4460-02	WB-303-TOP	SOIL	Mercury	7.60		0.12	0.27	mg/Kg
P4460-02	WB-303-TOP	SOIL	Nickel	43.2		0.16	3.51	mg/Kg
P4460-02	WB-303-TOP	SOIL	Potassium	1590		50.4	176	mg/Kg
P4460-02	WB-303-TOP	SOIL	Silver	2.29		0.091	0.88	mg/Kg
P4460-02	WB-303-TOP	SOIL	Sodium	2500		63.4	176	mg/Kg
P4460-02	WB-303-TOP	SOIL	Vanadium	24.0		0.47	3.51	mg/Kg
P4460-02	WB-303-TOP	SOIL	Zinc	417	0.19	3.51	mg/Kg	
Client ID : WB-303-BOT								
P4460-03	WB-303-BOT	SOIL	Aluminum	7450		2.92	6.06	mg/Kg
P4460-03	WB-303-BOT	SOIL	Arsenic	1.46		0.35	1.21	mg/Kg
P4460-03	WB-303-BOT	SOIL	Barium	26.9		0.78	6.06	mg/Kg
P4460-03	WB-303-BOT	SOIL	Beryllium	0.68		0.015	0.36	mg/Kg
P4460-03	WB-303-BOT	SOIL	Cadmium	2.27		0.019	0.36	mg/Kg
P4460-03	WB-303-BOT	SOIL	Calcium	2810		3.39	121	mg/Kg
P4460-03	WB-303-BOT	SOIL	Chromium	14.6		0.065	0.61	mg/Kg
P4460-03	WB-303-BOT	SOIL	Cobalt	10.5		0.070	1.82	mg/Kg
P4460-03	WB-303-BOT	SOIL	Copper	16.5		0.57	1.21	mg/Kg
P4460-03	WB-303-BOT	SOIL	Iron	18500		3.26	6.06	mg/Kg
P4460-03	WB-303-BOT	SOIL	Lead	9.67		0.18	0.73	mg/Kg
P4460-03	WB-303-BOT	SOIL	Magnesium	4680		4.16	121	mg/Kg
P4460-03	WB-303-BOT	SOIL	Manganese	273		0.086	1.21	mg/Kg
P4460-03	WB-303-BOT	SOIL	Nickel	19.8		0.11	2.42	mg/Kg
P4460-03	WB-303-BOT	SOIL	Potassium	1320		34.8	121	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	P4460	Order ID:	P4460
Client:	Portal Partners Tri-Venture	Project ID:	Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4460-03	WB-303-BOT	SOIL	Sodium	1020		43.8	121	mg/Kg
P4460-03	WB-303-BOT	SOIL	Vanadium	18.2		0.33	2.42	mg/Kg
P4460-03	WB-303-BOT	SOIL	Zinc	40.5		0.13	2.42	mg/Kg
Client ID : WB-303-SW								
P4460-06	WB-303-SW	Water	Aluminum	426		28.3	50.0	ug/L
P4460-06	WB-303-SW	Water	Antimony	3.58	J	2.06	25.0	ug/L
P4460-06	WB-303-SW	Water	Barium	28.9	J	6.28	50.0	ug/L
P4460-06	WB-303-SW	Water	Calcium	201000		33.0	1000	ug/L
P4460-06	WB-303-SW	Water	Chromium	2.34	J	0.66	5.00	ug/L
P4460-06	WB-303-SW	Water	Iron	574		18.5	50.0	ug/L
P4460-06	WB-303-SW	Water	Magnesium	704000		39.4	1000	ug/L
P4460-06	WB-303-SW	Water	Manganese	68.4		1.46	10.0	ug/L
P4460-06	WB-303-SW	Water	Nickel	1.58	J	0.85	20.0	ug/L
P4460-06	WB-303-SW	Water	Potassium	468000		685	1000	ug/L
P4460-06	WB-303-SW	Water	Sodium	6160000	D	5930	25000	ug/L
P4460-06	WB-303-SW	Water	Zinc	19.8	J	1.75	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	51.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8830		1	4.23	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-36-0	Antimony	2.35	JN	1	0.26	4.39	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-38-2	Arsenic	68.3		1	0.51	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-39-3	Barium	124	N	1	1.12	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-41-7	Beryllium	0.72	N	1	0.021	0.53	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-43-9	Cadmium	3.74		1	0.028	0.53	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-70-2	Calcium	2300		1	4.92	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-47-3	Chromium	145	N	1	0.095	0.88	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-48-4	Cobalt	10.1	N	1	0.10	2.64	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-50-8	Copper	341	N	1	0.83	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-89-6	Iron	21900		1	4.73	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-92-1	Lead	306		1	0.26	1.05	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-95-4	Magnesium	3900		1	6.03	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-96-5	Manganese	189		1	0.13	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-97-6	Mercury	7.60	D	10	0.12	0.27	mg/Kg	10/21/24 16:20	10/22/24 13:27	SW7471B	
7440-02-0	Nickel	43.2	N	1	0.16	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-09-7	Potassium	1590	N	1	50.4	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7782-49-2	Selenium	0.58	UN	1	0.58	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-22-4	Silver	2.29		1	0.091	0.88	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-23-5	Sodium	2500		1	63.4	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-28-0	Thallium	0.77	U	1	0.77	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-62-2	Vanadium	24.0	N	1	0.47	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-66-6	Zinc	417	N	1	0.19	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7450		1	2.92	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-36-0	Antimony	0.18	UN	1	0.18	3.03	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-38-2	Arsenic	1.46		1	0.35	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-39-3	Barium	26.9	N	1	0.78	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-41-7	Beryllium	0.68	N	1	0.015	0.36	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-43-9	Cadmium	2.27		1	0.019	0.36	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-70-2	Calcium	2810		1	3.39	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-47-3	Chromium	14.6	N	1	0.065	0.61	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-48-4	Cobalt	10.5	N	1	0.070	1.82	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-50-8	Copper	16.5	N	1	0.57	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-89-6	Iron	18500		1	3.26	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-92-1	Lead	9.67		1	0.18	0.73	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-95-4	Magnesium	4680		1	4.16	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-96-5	Manganese	273		1	0.086	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.016	mg/Kg	10/21/24 16:20	10/22/24 12:55	SW7471B	
7440-02-0	Nickel	19.8	N	1	0.11	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-09-7	Potassium	1320	N	1	34.8	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7782-49-2	Selenium	0.40	UN	1	0.40	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-22-4	Silver	0.063	U	1	0.063	0.61	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-23-5	Sodium	1020		1	43.8	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-28-0	Thallium	0.53	U	1	0.53	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-62-2	Vanadium	18.2	N	1	0.33	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-66-6	Zinc	40.5	N	1	0.13	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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Q = indicates LCS control criteria did not meet requirements

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B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	426	N	1	28.3	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-36-0	Antimony	3.58	JN	1	2.06	25.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-38-2	Arsenic	3.48	UN	1	3.48	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-39-3	Barium	28.9	J	1	6.28	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-70-2	Calcium	201000		1	33.0	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-47-3	Chromium	2.34	J	1	0.66	5.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-89-6	Iron	574		1	18.5	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-95-4	Magnesium	704000		1	39.4	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-96-5	Manganese	68.4		1	1.46	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-97-6	Mercury	0.081	UN	1	0.081	0.20	ug/L	10/24/24 15:05	10/25/24 12:54	SW7470A	
7440-02-0	Nickel	1.58	J	1	0.85	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-09-7	Potassium	468000		1	685	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7782-49-2	Selenium	5.88	UN	1	5.88	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-22-4	Silver	0.58	UN	1	0.58	5.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-23-5	Sodium	6160000	D	25	5930	25000	ug/L	10/23/24 10:00	11/01/24 18:05	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-66-6	Zinc	19.8	JN	1	1.75	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010

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

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

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

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB47	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	11:57	LB133043

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB52	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	12:01	LB133043
CCB53	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	12:39	LB133043
CCB54	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	13:07	LB133043
CCB55	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	13:32	LB133043

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB53	Mercury	0.20	+/-0.20	U	0.20	CV	10/25/2024	12:23	LB133129

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB73	Mercury	0.20	+/-0.20	U	0.20	CV	10/25/2024	12:30	LB133129
CCB74	Mercury	0.20	+/-0.20	U	0.20	CV	10/25/2024	13:06	LB133129
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	10/25/2024	13:32	LB133129

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/23/2024	15:16	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	15:16	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	15:16	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	15:16	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	15:16	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	15:16	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	15:16	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	15:16	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	15:16	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	15:16	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	15:16	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	15:16	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	15:16	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	15:16	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	15:16	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	15:16	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	15:16	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	15:16	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/23/2024	16:02	LB133086
	Antimony	4.83	+/-50.0	J	50.0	P	10/23/2024	16:02	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	16:02	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	16:02	LB133086
	Cadmium	1.78	+/-6.00	J	6.00	P	10/23/2024	16:02	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	16:02	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	16:02	LB133086
	Cobalt	1.85	+/-30.0	J	30.0	P	10/23/2024	16:02	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	16:02	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	16:02	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	16:02	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Nickel	1.75	+/-40.0	J	40.0	P	10/23/2024	16:02	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	16:02	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Silver	1.20	+/-10.0	J	10.0	P	10/23/2024	16:02	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	16:02	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	16:02	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	16:02	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	16:02	LB133086
CCB02	Aluminum	100	+/-100	U	100	P	10/23/2024	16:52	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	16:52	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	16:52	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	16:52	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	16:52	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	16:52	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	16:52	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	16:52	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	16:52	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	16:52	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	16:52	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	16:52	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	16:52	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/23/2024	16:52	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	16:52	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	16:52	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	16:52	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	16:52	LB133086
CCB03	Aluminum	100	+/-100	U	100	P	10/23/2024	17:46	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	17:46	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	17:46	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	17:46	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	17:46	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	17:46	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	17:46	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	17:46	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	17:46	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	17:46	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	17:46	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	17:46	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	17:46	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	17:46	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	17:46	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	17:46	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	17:46	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	17:46	LB133086
CCB04	Aluminum	100	+/-100	U	100	P	10/23/2024	18:36	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	18:36	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	18:36	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	18:36	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	18:36	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	18:36	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	18:36	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	18:36	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	18:36	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	18:36	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/23/2024	18:36	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	18:36	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	18:36	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	18:36	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	18:36	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	18:36	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	18:36	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	18:36	LB133086
CCB05	Aluminum	100	+/-100	U	100	P	10/23/2024	19:28	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	19:28	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	19:28	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	19:28	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	19:28	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	19:28	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	19:28	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	19:28	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	19:28	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	19:28	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	19:28	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	19:28	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	19:28	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	19:28	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	19:28	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	19:28	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	19:28	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	19:28	LB133086
CCB06	Aluminum	100	+/-100	U	100	P	10/23/2024	20:21	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	20:21	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	20:21	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	20:21	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	20:21	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	20:21	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/23/2024	20:21	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	20:21	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	20:21	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	20:21	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	20:21	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	20:21	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	20:21	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	20:21	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	20:21	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	20:21	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	20:21	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	20:21	LB133086
CCB07	Aluminum	100	+/-100	U	100	P	10/23/2024	21:34	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	21:34	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	21:34	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	21:34	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	21:34	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	21:34	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	21:34	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	21:34	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	21:34	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	21:34	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	21:34	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	21:34	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	21:34	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	21:34	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	21:34	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	21:34	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	21:34	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	21:34	LB133086
CCB08	Aluminum	100	+/-100	U	100	P	10/23/2024	22:25	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	22:25	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/23/2024	22:25	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	22:25	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	22:25	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	22:25	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	22:25	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	22:25	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	22:25	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	22:25	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	22:25	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	22:25	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	22:25	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	22:25	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	22:25	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	22:25	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	22:25	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	22:25	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	22:25	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/24/2024	13:34	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	13:34	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	13:34	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	13:34	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	13:34	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	13:34	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	13:34	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	13:34	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	13:34	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	13:34	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/24/2024	14:11	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	14:11	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	14:11	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:11	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:11	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	14:11	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	14:11	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	14:11	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	14:11	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	14:11	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
CCB02	Aluminum	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	14:57	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:57	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:57	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	14:57	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	14:57	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	14:57	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/24/2024	14:57	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
CCB03	Aluminum	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	15:12	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	15:12	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	15:12	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	15:12	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	15:12	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	15:12	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	15:12	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
CCB04	Aluminum	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	16:02	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:02	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:02	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	16:02	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	16:02	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	16:02	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/24/2024	16:02	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	16:02	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
CCB05	Aluminum	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	16:59	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:59	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:59	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	16:59	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	16:59	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	16:59	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	16:59	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
CCB06	Aluminum	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	17:50	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	17:50	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	17:50	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/24/2024	17:50	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	17:50	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	17:50	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	17:50	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
CCB07	Aluminum	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	18:41	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	18:41	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	18:41	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	18:41	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	18:41	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	18:41	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	18:41	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
CCB08	Aluminum	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	19:45	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/24/2024	19:45	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	19:45	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	19:45	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	19:45	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	19:45	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	19:45	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	19:45	LB133110
	Sodium	908	+/-2000	J	2000	P	10/24/2024	19:45	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
CCB09	Aluminum	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	20:36	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	20:36	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	20:36	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	20:36	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	20:36	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	20:36	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	20:36	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	10/24/2024	20:36	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
CCB10	Aluminum	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	21:28	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	21:28	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	21:28	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	21:28	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	21:28	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	21:28	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	21:28	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
CCB11	Aluminum	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	22:20	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	22:20	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	22:20	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	22:20	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	22:20	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	22:20	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	22:20	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
CCB12	Aluminum	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	23:13	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	23:13	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	23:13	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	23:13	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	23:13	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	23:13	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	23:13	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
CCB13	Aluminum	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	00:02	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:02	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:02	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	00:02	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	00:02	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	00:02	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	00:02	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
CCB14	Aluminum	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	00:56	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:56	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:56	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	00:56	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	00:56	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	00:56	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	00:56	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
CCB15	Aluminum	100	+/-100	U	100	P	10/25/2024	01:50	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	01:50	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	01:50	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB15	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	01:50	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	01:50	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	01:50	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	01:50	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	01:50	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	01:50	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	01:50	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
CCB16	Aluminum	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	02:48	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	02:48	LB133110
	Cadmium	0.30	+/-6.00	J	6.00	P	10/25/2024	02:48	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	02:48	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	02:48	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	02:48	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	02:48	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Portal Partners Tri-Venture				SDG No.:	P4460			
Contract:	PORT06	Lab Code:	CHEM		Case No.:	P4460	SAS No.:	P4460	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB16	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	11/01/2024	15:40	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	15:40	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	15:40	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	15:40	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	15:40	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	15:40	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	15:40	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	15:40	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	15:40	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	15:40	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	15:40	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	15:40	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	15:40	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	15:40	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	15:40	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	15:40	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	15:40	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	15:40	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	15:40	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	15:40	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	15:40	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	15:40	LB133257

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	11/01/2024	16:07	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	16:07	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	16:07	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	16:07	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	16:07	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	16:07	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	16:07	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	16:07	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	16:07	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	16:07	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	16:07	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	16:07	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	16:07	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	16:07	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	16:07	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	16:07	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	16:07	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	16:07	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	16:07	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	16:07	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	16:07	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	16:07	LB133257
CCB02	Aluminum	100	+/-100	U	100	P	11/01/2024	17:00	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	17:00	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	17:00	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	17:00	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	17:00	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	17:00	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	17:00	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	17:00	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	17:00	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	17:00	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	17:00	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	17:00	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	17:00	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	17:00	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	17:00	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	17:00	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	17:00	LB133257

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	11/01/2024	17:00	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	17:00	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	17:00	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	17:00	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	17:00	LB133257
CCB03	Aluminum	100	+/-100	U	100	P	11/01/2024	18:01	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	18:01	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	18:01	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	18:01	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	18:01	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	18:01	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	18:01	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	18:01	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	18:01	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	18:01	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	18:01	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	18:01	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	18:01	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	18:01	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	18:01	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	18:01	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	18:01	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	18:01	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	18:01	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	18:01	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	18:01	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	18:01	LB133257
CCB04	Aluminum	100	+/-100	U	100	P	11/01/2024	18:59	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	18:59	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	18:59	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	18:59	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	18:59	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	18:59	LB133257
	Calcium	82.6	+/-2000	J	2000	P	11/01/2024	18:59	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	18:59	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	18:59	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	18:59	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	18:59	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	18:59	LB133257

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture		SDG No.: P4460							
Contract: PORT06	Lab Code: CHEM	Case No.: P4460	SAS No.: P4460						
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	11/01/2024	18:59	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	18:59	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	18:59	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	18:59	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	18:59	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	18:59	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	18:59	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	18:59	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	18:59	LB133257
	Zinc	5.71	+/-40.0	J	40.0	P	11/01/2024	18:59	LB133257
CCB05	Aluminum	100	+/-100	U	100	P	11/01/2024	19:22	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	19:22	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	19:22	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	19:22	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	19:22	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	19:22	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	19:22	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	19:22	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	19:22	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	19:22	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	19:22	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	19:22	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	19:22	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	19:22	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	19:22	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	19:22	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	19:22	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	19:22	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	19:22	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	19:22	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	19:22	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	19:22	LB133257

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: P4460

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164322BL		SOLID		Batch Number:	PB164322		Prep Date:	10/21/2024	
	Mercury	0.012	<0.012	U	0.012	CV	10/22/2024	12:13	LB133043
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164407BL		WATER		Batch Number:	PB164407		Prep Date:	10/24/2024	
	Mercury	0.20	<0.20	U	0.20	CV	10/25/2024	12:42	LB133129

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: P4460

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164289BL	SOLID			Batch Number:	PB164289		Prep Date:	10/21/2024	
	Aluminum	4.39	<4.39	U	4.39	P	10/24/2024	23:37	LB133110
	Antimony	2.19	<2.19	U	2.19	P	10/24/2024	23:37	LB133110
	Arsenic	0.88	<0.88	U	0.88	P	10/24/2024	23:37	LB133110
	Barium	4.39	<4.39	U	4.39	P	10/24/2024	23:37	LB133110
	Beryllium	0.26	<0.26	U	0.26	P	10/24/2024	23:37	LB133110
	Cadmium	0.26	<0.26	U	0.26	P	10/24/2024	23:37	LB133110
	Calcium	87.7	<87.7	U	87.7	P	10/24/2024	23:37	LB133110
	Chromium	0.44	<0.44	U	0.44	P	10/24/2024	23:37	LB133110
	Cobalt	1.32	<1.32	U	1.32	P	10/24/2024	23:37	LB133110
	Copper	0.88	<0.88	U	0.88	P	10/24/2024	23:37	LB133110
	Iron	4.39	<4.39	U	4.39	P	10/24/2024	23:37	LB133110
	Lead	0.53	<0.53	U	0.53	P	10/24/2024	23:37	LB133110
	Magnesium	87.7	<87.7	U	87.7	P	10/24/2024	23:37	LB133110
	Manganese	0.88	<0.88	U	0.88	P	10/24/2024	23:37	LB133110
	Nickel	1.75	<1.75	U	1.75	P	10/24/2024	23:37	LB133110
	Potassium	87.7	<87.7	U	87.7	P	10/24/2024	23:37	LB133110
	Selenium	0.88	<0.88	U	0.88	P	10/24/2024	23:37	LB133110
	Silver	0.44	<0.44	U	0.44	P	10/24/2024	23:37	LB133110
	Sodium	87.7	<87.7	U	87.7	P	10/24/2024	23:37	LB133110
	Thallium	1.75	<1.75	U	1.75	P	10/24/2024	23:37	LB133110
	Vanadium	1.75	<1.75	U	1.75	P	10/24/2024	23:37	LB133110
	Zinc	1.75	<1.75	U	1.75	P	10/24/2024	23:37	LB133110
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164347BL	WATER			Batch Number:	PB164347		Prep Date:	10/23/2024	
	Aluminum	50.0	<50.0	U	50.0	P	10/24/2024	19:49	LB133110
	Antimony	25.0	<25.0	U	25.0	P	10/24/2024	19:49	LB133110
	Arsenic	10.0	<10.0	U	10.0	P	10/24/2024	19:49	LB133110
	Barium	50.0	<50.0	U	50.0	P	10/24/2024	19:49	LB133110
	Beryllium	3.00	<3.00	U	3.00	P	10/24/2024	19:49	LB133110
	Cadmium	3.00	<3.00	U	3.00	P	10/24/2024	19:49	LB133110
	Calcium	1000	<1000	U	1000	P	10/24/2024	19:49	LB133110
	Chromium	5.00	<5.00	U	5.00	P	10/24/2024	19:49	LB133110
	Cobalt	15.0	<15.0	U	15.0	P	10/24/2024	19:49	LB133110
	Copper	10.0	<10.0	U	10.0	P	10/24/2024	19:49	LB133110
	Iron	50.0	<50.0	U	50.0	P	10/24/2024	19:49	LB133110
	Lead	6.00	<6.00	U	6.00	P	10/24/2024	19:49	LB133110
	Magnesium	1000	<1000	U	1000	P	10/24/2024	19:49	LB133110
	Manganese	10.0	<10.0	U	10.0	P	10/24/2024	19:49	LB133110
	Nickel	20.0	<20.0	U	20.0	P	10/24/2024	19:49	LB133110

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: P4460

Instrument: P4

Potassium	1000	<1000	U	1000	P	10/24/2024	19:49	LB133110
Selenium	10.0	<10.0	U	10.0	P	10/24/2024	19:49	LB133110
Silver	5.00	<5.00	U	5.00	P	10/24/2024	19:49	LB133110
Sodium	332	<1000	J	1000	P	10/24/2024	19:49	LB133110
Thallium	20.0	<20.0	U	20.0	P	10/24/2024	19:49	LB133110
Vanadium	20.0	<20.0	U	20.0	P	10/24/2024	19:49	LB133110
Zinc	20.0	<20.0	U	20.0	P	10/24/2024	19:49	LB133110



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
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
ICV47	Mercury	4.26	4.0	106	90 - 110	CV	10/22/2024	11:54	LB133043

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
CCV52	Mercury	5.02	5.0	100	90 - 110	CV	10/22/2024	11:59	LB133043
CCV53	Mercury	5.17	5.0	103	90 - 110	CV	10/22/2024	12:36	LB133043
CCV54	Mercury	5.17	5.0	103	90 - 110	CV	10/22/2024	13:04	LB133043
CCV55	Mercury	5.32	5.0	106	90 - 110	CV	10/22/2024	13:29	LB133043



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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:

Portal Partners Tri-Venture

Contract:

PORT06

Lab Code:

CHEM

SDG No.:

P4460

Case No.:

P4460

SAS No.:

P4460

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
ICV53	Mercury	4.26	4.0	106	90 - 110	CV	10/25/2024	12:21	LB133129

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
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
CCV73	Mercury	5.12	5.0	102	90 - 110	CV	10/25/2024	12:25	LB133129
CCV74	Mercury	4.98	5.0	100	90 - 110	CV	10/25/2024	13:00	LB133129
CCV75	Mercury	5.16	5.0	103	90 - 110	CV	10/25/2024	13:30	LB133129

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	10/23/2024	14:59	LB133086
	Antimony	1030	1000	103	90 - 110	P	10/23/2024	14:59	LB133086
	Arsenic	998	1000	100	90 - 110	P	10/23/2024	14:59	LB133086
	Barium	501	520	96	90 - 110	P	10/23/2024	14:59	LB133086
	Beryllium	501	510	98	90 - 110	P	10/23/2024	14:59	LB133086
	Cadmium	506	510	99	90 - 110	P	10/23/2024	14:59	LB133086
	Calcium	9910	10000	99	90 - 110	P	10/23/2024	14:59	LB133086
	Chromium	538	520	103	90 - 110	P	10/23/2024	14:59	LB133086
	Cobalt	534	520	103	90 - 110	P	10/23/2024	14:59	LB133086
	Copper	513	510	101	90 - 110	P	10/23/2024	14:59	LB133086
	Iron	10400	10000	104	90 - 110	P	10/23/2024	14:59	LB133086
	Lead	1010	1000	101	90 - 110	P	10/23/2024	14:59	LB133086
	Magnesium	5790	6000	96	90 - 110	P	10/23/2024	14:59	LB133086
	Manganese	510	520	98	90 - 110	P	10/23/2024	14:59	LB133086
	Nickel	535	530	101	90 - 110	P	10/23/2024	14:59	LB133086
	Potassium	10400	9900	105	90 - 110	P	10/23/2024	14:59	LB133086
	Selenium	1020	1000	102	90 - 110	P	10/23/2024	14:59	LB133086
	Silver	256	250	102	90 - 110	P	10/23/2024	14:59	LB133086
	Sodium	10400	10000	104	90 - 110	P	10/23/2024	14:59	LB133086
	Thallium	1040	1000	104	90 - 110	P	10/23/2024	14:59	LB133086
	Vanadium	490	500	98	90 - 110	P	10/23/2024	14:59	LB133086
	Zinc	1050	1000	105	90 - 110	P	10/23/2024	14:59	LB133086

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	97.4	100	97	80 - 120	P	10/23/2024	15:11	LB133086
	Antimony	49.1	50.0	98	80 - 120	P	10/23/2024	15:11	LB133086
	Arsenic	18.8	20.0	94	80 - 120	P	10/23/2024	15:11	LB133086
	Barium	93.0	100	93	80 - 120	P	10/23/2024	15:11	LB133086
	Beryllium	5.70	6.0	95	80 - 120	P	10/23/2024	15:11	LB133086
	Cadmium	5.79	6.0	96	80 - 120	P	10/23/2024	15:11	LB133086
	Calcium	1860	2000	93	80 - 120	P	10/23/2024	15:11	LB133086
	Chromium	10.1	10.0	101	80 - 120	P	10/23/2024	15:11	LB133086
	Cobalt	29.0	30.0	97	80 - 120	P	10/23/2024	15:11	LB133086
	Copper	21.6	20.0	108	80 - 120	P	10/23/2024	15:11	LB133086
	Iron	104	100	104	80 - 120	P	10/23/2024	15:11	LB133086
	Lead	11.9	12.0	99	80 - 120	P	10/23/2024	15:11	LB133086
	Magnesium	1820	2000	91	80 - 120	P	10/23/2024	15:11	LB133086
	Manganese	19.0	20.0	95	80 - 120	P	10/23/2024	15:11	LB133086
	Nickel	38.5	40.0	96	80 - 120	P	10/23/2024	15:11	LB133086
	Potassium	1940	2000	97	80 - 120	P	10/23/2024	15:11	LB133086
	Selenium	20.9	20.0	105	80 - 120	P	10/23/2024	15:11	LB133086
	Silver	10.3	10.0	103	80 - 120	P	10/23/2024	15:11	LB133086
	Sodium	1970	2000	98	80 - 120	P	10/23/2024	15:11	LB133086
	Thallium	37.2	40.0	93	80 - 120	P	10/23/2024	15:11	LB133086
	Vanadium	36.9	40.0	92	80 - 120	P	10/23/2024	15:11	LB133086
	Zinc	42.5	40.0	106	80 - 120	P	10/23/2024	15:11	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	9740	10000	97	90 - 110	P	10/23/2024	15:57	LB133086
	Antimony	5040	5000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Arsenic	5090	5000	102	90 - 110	P	10/23/2024	15:57	LB133086
	Barium	9630	10000	96	90 - 110	P	10/23/2024	15:57	LB133086
	Beryllium	243	250	97	90 - 110	P	10/23/2024	15:57	LB133086
	Cadmium	2520	2500	101	90 - 110	P	10/23/2024	15:57	LB133086
	Calcium	24100	25000	96	90 - 110	P	10/23/2024	15:57	LB133086
	Chromium	1010	1000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Cobalt	2480	2500	99	90 - 110	P	10/23/2024	15:57	LB133086
	Copper	1250	1250	100	90 - 110	P	10/23/2024	15:57	LB133086
	Iron	4910	5000	98	90 - 110	P	10/23/2024	15:57	LB133086
	Lead	5020	5000	100	90 - 110	P	10/23/2024	15:57	LB133086
	Magnesium	24100	25000	97	90 - 110	P	10/23/2024	15:57	LB133086
	Manganese	2380	2500	95	90 - 110	P	10/23/2024	15:57	LB133086
	Nickel	2490	2500	99	90 - 110	P	10/23/2024	15:57	LB133086
	Potassium	24900	25000	100	90 - 110	P	10/23/2024	15:57	LB133086
	Selenium	5060	5000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Silver	1250	1250	100	90 - 110	P	10/23/2024	15:57	LB133086
	Sodium	25200	25000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Thallium	5020	5000	100	90 - 110	P	10/23/2024	15:57	LB133086
	Vanadium	2420	2500	97	90 - 110	P	10/23/2024	15:57	LB133086
	Zinc	2520	2500	101	90 - 110	P	10/23/2024	15:57	LB133086
CCV02	Aluminum	9220	10000	92	90 - 110	P	10/23/2024	16:48	LB133086
	Antimony	4780	5000	96	90 - 110	P	10/23/2024	16:48	LB133086
	Arsenic	4840	5000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Barium	9150	10000	92	90 - 110	P	10/23/2024	16:48	LB133086
	Beryllium	231	250	92	90 - 110	P	10/23/2024	16:48	LB133086
	Cadmium	2410	2500	96	90 - 110	P	10/23/2024	16:48	LB133086
	Calcium	22900	25000	92	90 - 110	P	10/23/2024	16:48	LB133086
	Chromium	969	1000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Cobalt	2360	2500	94	90 - 110	P	10/23/2024	16:48	LB133086
	Copper	1180	1250	94	90 - 110	P	10/23/2024	16:48	LB133086
	Iron	4660	5000	93	90 - 110	P	10/23/2024	16:48	LB133086
	Lead	4810	5000	96	90 - 110	P	10/23/2024	16:48	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	22800	25000	91	90 - 110	P	10/23/2024	16:48	LB133086
	Manganese	2360	2500	94	90 - 110	P	10/23/2024	16:48	LB133086
	Nickel	2360	2500	94	90 - 110	P	10/23/2024	16:48	LB133086
	Potassium	23700	25000	95	90 - 110	P	10/23/2024	16:48	LB133086
	Selenium	4860	5000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Silver	1200	1250	96	90 - 110	P	10/23/2024	16:48	LB133086
	Sodium	24000	25000	96	90 - 110	P	10/23/2024	16:48	LB133086
	Thallium	5330	5000	107	90 - 110	P	10/23/2024	16:48	LB133086
	Vanadium	2280	2500	91	90 - 110	P	10/23/2024	16:48	LB133086
	Zinc	2410	2500	96	90 - 110	P	10/23/2024	16:48	LB133086
CCV03	Aluminum	9200	10000	92	90 - 110	P	10/23/2024	17:42	LB133086
	Antimony	4800	5000	96	90 - 110	P	10/23/2024	17:42	LB133086
	Arsenic	4880	5000	98	90 - 110	P	10/23/2024	17:42	LB133086
	Barium	9030	10000	90	90 - 110	P	10/23/2024	17:42	LB133086
	Beryllium	233	250	93	90 - 110	P	10/23/2024	17:42	LB133086
	Cadmium	2440	2500	97	90 - 110	P	10/23/2024	17:42	LB133086
	Calcium	22900	25000	92	90 - 110	P	10/23/2024	17:42	LB133086
	Chromium	992	1000	99	90 - 110	P	10/23/2024	17:42	LB133086
	Cobalt	2380	2500	95	90 - 110	P	10/23/2024	17:42	LB133086
	Copper	1190	1250	95	90 - 110	P	10/23/2024	17:42	LB133086
	Iron	4840	5000	97	90 - 110	P	10/23/2024	17:42	LB133086
	Lead	4850	5000	97	90 - 110	P	10/23/2024	17:42	LB133086
	Magnesium	22800	25000	91	90 - 110	P	10/23/2024	17:42	LB133086
	Manganese	2360	2500	94	90 - 110	P	10/23/2024	17:42	LB133086
	Nickel	2380	2500	95	90 - 110	P	10/23/2024	17:42	LB133086
	Potassium	24600	25000	98	90 - 110	P	10/23/2024	17:42	LB133086
	Selenium	4880	5000	98	90 - 110	P	10/23/2024	17:42	LB133086
	Silver	1230	1250	98	90 - 110	P	10/23/2024	17:42	LB133086
	Sodium	24700	25000	99	90 - 110	P	10/23/2024	17:42	LB133086
	Thallium	5440	5000	109	90 - 110	P	10/23/2024	17:42	LB133086
	Vanadium	2280	2500	91	90 - 110	P	10/23/2024	17:42	LB133086
	Zinc	2460	2500	98	90 - 110	P	10/23/2024	17:42	LB133086
CCV04	Aluminum	9450	10000	94	90 - 110	P	10/23/2024	18:32	LB133086
	Antimony	4980	5000	100	90 - 110	P	10/23/2024	18:32	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	5070	5000	101	90 - 110	P	10/23/2024	18:32	LB133086
	Barium	9310	10000	93	90 - 110	P	10/23/2024	18:32	LB133086
	Beryllium	240	250	96	90 - 110	P	10/23/2024	18:32	LB133086
	Cadmium	2540	2500	102	90 - 110	P	10/23/2024	18:32	LB133086
	Calcium	23500	25000	94	90 - 110	P	10/23/2024	18:32	LB133086
	Chromium	1020	1000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Cobalt	2500	2500	100	90 - 110	P	10/23/2024	18:32	LB133086
	Copper	1240	1250	99	90 - 110	P	10/23/2024	18:32	LB133086
	Iron	4820	5000	96	90 - 110	P	10/23/2024	18:32	LB133086
	Lead	5080	5000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Magnesium	23300	25000	93	90 - 110	P	10/23/2024	18:32	LB133086
	Manganese	2260	2500	90	90 - 110	P	10/23/2024	18:32	LB133086
	Nickel	2500	2500	100	90 - 110	P	10/23/2024	18:32	LB133086
	Potassium	25000	25000	100	90 - 110	P	10/23/2024	18:32	LB133086
	Selenium	5090	5000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Silver	1250	1250	100	90 - 110	P	10/23/2024	18:32	LB133086
	Sodium	25400	25000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Thallium	5020	5000	100	90 - 110	P	10/23/2024	18:32	LB133086
	Vanadium	2320	2500	93	90 - 110	P	10/23/2024	18:32	LB133086
	Zinc	2500	2500	100	90 - 110	P	10/23/2024	18:32	LB133086
CCV05	Aluminum	9390	10000	94	90 - 110	P	10/23/2024	19:23	LB133086
	Antimony	4850	5000	97	90 - 110	P	10/23/2024	19:23	LB133086
	Arsenic	4920	5000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Barium	9250	10000	92	90 - 110	P	10/23/2024	19:23	LB133086
	Beryllium	237	250	95	90 - 110	P	10/23/2024	19:23	LB133086
	Cadmium	2460	2500	99	90 - 110	P	10/23/2024	19:23	LB133086
	Calcium	23400	25000	94	90 - 110	P	10/23/2024	19:23	LB133086
	Chromium	984	1000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Cobalt	2410	2500	96	90 - 110	P	10/23/2024	19:23	LB133086
	Copper	1200	1250	96	90 - 110	P	10/23/2024	19:23	LB133086
	Iron	4650	5000	93	90 - 110	P	10/23/2024	19:23	LB133086
	Lead	4910	5000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Magnesium	23100	25000	92	90 - 110	P	10/23/2024	19:23	LB133086
	Manganese	2400	2500	96	90 - 110	P	10/23/2024	19:23	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	2410	2500	96	90 - 110	P	10/23/2024	19:23	LB133086
	Potassium	24100	25000	97	90 - 110	P	10/23/2024	19:23	LB133086
	Selenium	4910	5000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Silver	1210	1250	97	90 - 110	P	10/23/2024	19:23	LB133086
	Sodium	24400	25000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Thallium	5340	5000	107	90 - 110	P	10/23/2024	19:23	LB133086
	Vanadium	2290	2500	92	90 - 110	P	10/23/2024	19:23	LB133086
	Zinc	2450	2500	98	90 - 110	P	10/23/2024	19:23	LB133086
CCV06	Aluminum	9270	10000	93	90 - 110	P	10/23/2024	20:15	LB133086
	Antimony	4780	5000	96	90 - 110	P	10/23/2024	20:15	LB133086
	Arsenic	4890	5000	98	90 - 110	P	10/23/2024	20:15	LB133086
	Barium	9330	10000	93	90 - 110	P	10/23/2024	20:15	LB133086
	Beryllium	235	250	94	90 - 110	P	10/23/2024	20:15	LB133086
	Cadmium	2470	2500	99	90 - 110	P	10/23/2024	20:15	LB133086
	Calcium	23100	25000	92	90 - 110	P	10/23/2024	20:15	LB133086
	Chromium	989	1000	99	90 - 110	P	10/23/2024	20:15	LB133086
	Cobalt	2420	2500	97	90 - 110	P	10/23/2024	20:15	LB133086
	Copper	1190	1250	95	90 - 110	P	10/23/2024	20:15	LB133086
	Iron	4690	5000	94	90 - 110	P	10/23/2024	20:15	LB133086
	Lead	4910	5000	98	90 - 110	P	10/23/2024	20:15	LB133086
	Magnesium	22600	25000	90	90 - 110	P	10/23/2024	20:15	LB133086
	Manganese	2370	2500	95	90 - 110	P	10/23/2024	20:15	LB133086
	Nickel	2420	2500	97	90 - 110	P	10/23/2024	20:15	LB133086
	Potassium	25000	25000	100	90 - 110	P	10/23/2024	20:15	LB133086
	Selenium	4870	5000	97	90 - 110	P	10/23/2024	20:15	LB133086
	Silver	1220	1250	98	90 - 110	P	10/23/2024	20:15	LB133086
	Sodium	25200	25000	101	90 - 110	P	10/23/2024	20:15	LB133086
	Thallium	5360	5000	107	90 - 110	P	10/23/2024	20:15	LB133086
	Vanadium	2270	2500	91	90 - 110	P	10/23/2024	20:15	LB133086
	Zinc	2410	2500	96	90 - 110	P	10/23/2024	20:15	LB133086
CCV07	Aluminum	9410	10000	94	90 - 110	P	10/23/2024	21:28	LB133086
	Antimony	4720	5000	94	90 - 110	P	10/23/2024	21:28	LB133086
	Arsenic	4820	5000	96	90 - 110	P	10/23/2024	21:28	LB133086
	Barium	9500	10000	95	90 - 110	P	10/23/2024	21:28	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	10/23/2024	21:28	LB133086
	Cadmium	2420	2500	97	90 - 110	P	10/23/2024	21:28	LB133086
	Calcium	26400	25000	106	90 - 110	P	10/23/2024	21:28	LB133086
	Chromium	952	1000	95	90 - 110	P	10/23/2024	21:28	LB133086
	Cobalt	2360	2500	95	90 - 110	P	10/23/2024	21:28	LB133086
	Copper	1170	1250	94	90 - 110	P	10/23/2024	21:28	LB133086
	Iron	5380	5000	108	90 - 110	P	10/23/2024	21:28	LB133086
	Lead	4820	5000	96	90 - 110	P	10/23/2024	21:28	LB133086
	Magnesium	27300	25000	109	90 - 110	P	10/23/2024	21:28	LB133086
	Manganese	2340	2500	94	90 - 110	P	10/23/2024	21:28	LB133086
	Nickel	2370	2500	95	90 - 110	P	10/23/2024	21:28	LB133086
	Potassium	23400	25000	94	90 - 110	P	10/23/2024	21:28	LB133086
	Selenium	4830	5000	97	90 - 110	P	10/23/2024	21:28	LB133086
	Silver	1170	1250	94	90 - 110	P	10/23/2024	21:28	LB133086
	Sodium	22700	25000	91	90 - 110	P	10/23/2024	21:28	LB133086
	Thallium	5360	5000	107	90 - 110	P	10/23/2024	21:28	LB133086
	Vanadium	2610	2500	104	90 - 110	P	10/23/2024	21:28	LB133086
	Zinc	2290	2500	92	90 - 110	P	10/23/2024	21:28	LB133086
CCV08	Aluminum	9300	10000	93	90 - 110	P	10/23/2024	22:20	LB133086
	Antimony	4690	5000	94	90 - 110	P	10/23/2024	22:20	LB133086
	Arsenic	4800	5000	96	90 - 110	P	10/23/2024	22:20	LB133086
	Barium	9320	10000	93	90 - 110	P	10/23/2024	22:20	LB133086
	Beryllium	256	250	102	90 - 110	P	10/23/2024	22:20	LB133086
	Cadmium	2510	2500	100	90 - 110	P	10/23/2024	22:20	LB133086
	Calcium	24000	25000	96	90 - 110	P	10/23/2024	22:20	LB133086
	Chromium	1010	1000	101	90 - 110	P	10/23/2024	22:20	LB133086
	Cobalt	2440	2500	98	90 - 110	P	10/23/2024	22:20	LB133086
	Copper	1170	1250	94	90 - 110	P	10/23/2024	22:20	LB133086
	Iron	4550	5000	91	90 - 110	P	10/23/2024	22:20	LB133086
	Lead	4980	5000	100	90 - 110	P	10/23/2024	22:20	LB133086
	Magnesium	23800	25000	95	90 - 110	P	10/23/2024	22:20	LB133086
	Manganese	2310	2500	92	90 - 110	P	10/23/2024	22:20	LB133086
	Nickel	2440	2500	97	90 - 110	P	10/23/2024	22:20	LB133086
	Potassium	23500	25000	94	90 - 110	P	10/23/2024	22:20	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
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	4770	5000	96	90 - 110	P	10/23/2024	22:20	LB133086
	Silver	1220	1250	97	90 - 110	P	10/23/2024	22:20	LB133086
	Sodium	23000	25000	92	90 - 110	P	10/23/2024	22:20	LB133086
	Thallium	5470	5000	109	90 - 110	P	10/23/2024	22:20	LB133086
	Vanadium	2310	2500	92	90 - 110	P	10/23/2024	22:20	LB133086
	Zinc	2390	2500	96	90 - 110	P	10/23/2024	22:20	LB133086

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2480	2500	99	90 - 110	P	10/24/2024	13:26	LB133110
	Antimony	1020	1000	102	90 - 110	P	10/24/2024	13:26	LB133110
	Arsenic	965	1000	96	90 - 110	P	10/24/2024	13:26	LB133110
	Barium	486	520	93	90 - 110	P	10/24/2024	13:26	LB133110
	Beryllium	483	510	95	90 - 110	P	10/24/2024	13:26	LB133110
	Cadmium	481	510	94	90 - 110	P	10/24/2024	13:26	LB133110
	Calcium	9650	10000	96	90 - 110	P	10/24/2024	13:26	LB133110
	Chromium	523	520	101	90 - 110	P	10/24/2024	13:26	LB133110
	Cobalt	520	520	100	90 - 110	P	10/24/2024	13:26	LB133110
	Copper	539	510	106	90 - 110	P	10/24/2024	13:26	LB133110
	Iron	10100	10000	101	90 - 110	P	10/24/2024	13:26	LB133110
	Lead	974	1000	97	90 - 110	P	10/24/2024	13:26	LB133110
	Magnesium	5440	6000	91	90 - 110	P	10/24/2024	13:26	LB133110
	Manganese	490	520	94	90 - 110	P	10/24/2024	13:26	LB133110
	Nickel	523	530	99	90 - 110	P	10/24/2024	13:26	LB133110
	Potassium	10200	9900	102	90 - 110	P	10/24/2024	13:26	LB133110
	Selenium	1000	1000	100	90 - 110	P	10/24/2024	13:26	LB133110
	Silver	264	250	106	90 - 110	P	10/24/2024	13:26	LB133110
	Sodium	9680	10000	97	90 - 110	P	10/24/2024	13:26	LB133110
	Thallium	996	1000	100	90 - 110	P	10/24/2024	13:26	LB133110
	Vanadium	467	500	93	90 - 110	P	10/24/2024	13:26	LB133110
	Zinc	1060	1000	106	90 - 110	P	10/24/2024	13:26	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	98.7	100	99	80 - 120	P	10/24/2024	13:30	LB133110
	Antimony	52.1	50.0	104	80 - 120	P	10/24/2024	13:30	LB133110
	Arsenic	19.0	20.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Barium	95.8	100	96	80 - 120	P	10/24/2024	13:30	LB133110
	Beryllium	5.72	6.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Cadmium	5.61	6.0	94	80 - 120	P	10/24/2024	13:30	LB133110
	Calcium	1950	2000	97	80 - 120	P	10/24/2024	13:30	LB133110
	Chromium	10.0	10.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Cobalt	30.0	30.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Copper	22.9	20.0	114	80 - 120	P	10/24/2024	13:30	LB133110
	Iron	106	100	106	80 - 120	P	10/24/2024	13:30	LB133110
	Lead	11.6	12.0	96	80 - 120	P	10/24/2024	13:30	LB133110
	Magnesium	1840	2000	92	80 - 120	P	10/24/2024	13:30	LB133110
	Manganese	20.0	20.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Nickel	39.5	40.0	99	80 - 120	P	10/24/2024	13:30	LB133110
	Potassium	2040	2000	102	80 - 120	P	10/24/2024	13:30	LB133110
	Selenium	19.0	20.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Silver	11.0	10.0	110	80 - 120	P	10/24/2024	13:30	LB133110
	Sodium	1910	2000	96	80 - 120	P	10/24/2024	13:30	LB133110
	Thallium	39.2	40.0	98	80 - 120	P	10/24/2024	13:30	LB133110
	Vanadium	35.8	40.0	89	80 - 120	P	10/24/2024	13:30	LB133110
	Zinc	45.9	40.0	115	80 - 120	P	10/24/2024	13:30	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	9660	10000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Antimony	4980	5000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Arsenic	4950	5000	99	90 - 110	P	10/24/2024	14:06	LB133110
	Barium	9460	10000	95	90 - 110	P	10/24/2024	14:06	LB133110
	Beryllium	238	250	95	90 - 110	P	10/24/2024	14:06	LB133110
	Cadmium	2440	2500	97	90 - 110	P	10/24/2024	14:06	LB133110
	Calcium	23800	25000	95	90 - 110	P	10/24/2024	14:06	LB133110
	Chromium	968	1000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Cobalt	2440	2500	98	90 - 110	P	10/24/2024	14:06	LB133110
	Copper	1250	1250	100	90 - 110	P	10/24/2024	14:06	LB133110
	Iron	4960	5000	99	90 - 110	P	10/24/2024	14:06	LB133110
	Lead	4900	5000	98	90 - 110	P	10/24/2024	14:06	LB133110
	Magnesium	25700	25000	103	90 - 110	P	10/24/2024	14:06	LB133110
	Manganese	2350	2500	94	90 - 110	P	10/24/2024	14:06	LB133110
	Nickel	2450	2500	98	90 - 110	P	10/24/2024	14:06	LB133110
	Potassium	24900	25000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Selenium	5000	5000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Silver	1250	1250	100	90 - 110	P	10/24/2024	14:06	LB133110
	Sodium	24600	25000	98	90 - 110	P	10/24/2024	14:06	LB133110
	Thallium	4850	5000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Vanadium	2330	2500	93	90 - 110	P	10/24/2024	14:06	LB133110
	Zinc	2520	2500	101	90 - 110	P	10/24/2024	14:06	LB133110
CCV02	Aluminum	9760	10000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Antimony	4950	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Arsenic	4890	5000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Barium	9450	10000	94	90 - 110	P	10/24/2024	14:53	LB133110
	Beryllium	234	250	94	90 - 110	P	10/24/2024	14:53	LB133110
	Cadmium	2410	2500	96	90 - 110	P	10/24/2024	14:53	LB133110
	Calcium	23900	25000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Chromium	959	1000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Cobalt	2420	2500	97	90 - 110	P	10/24/2024	14:53	LB133110
	Copper	1240	1250	99	90 - 110	P	10/24/2024	14:53	LB133110
	Iron	4970	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Lead	4860	5000	97	90 - 110	P	10/24/2024	14:53	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	25600	25000	102	90 - 110	P	10/24/2024	14:53	LB133110
	Manganese	2340	2500	94	90 - 110	P	10/24/2024	14:53	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	14:53	LB133110
	Potassium	25000	25000	100	90 - 110	P	10/24/2024	14:53	LB133110
	Selenium	4950	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	14:53	LB133110
	Sodium	24600	25000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Thallium	4800	5000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Vanadium	2320	2500	93	90 - 110	P	10/24/2024	14:53	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	14:53	LB133110
CCV03	Aluminum	9500	10000	95	90 - 110	P	10/24/2024	15:06	LB133110
	Antimony	4930	5000	99	90 - 110	P	10/24/2024	15:06	LB133110
	Arsenic	4880	5000	98	90 - 110	P	10/24/2024	15:06	LB133110
	Barium	9310	10000	93	90 - 110	P	10/24/2024	15:06	LB133110
	Beryllium	228	250	91	90 - 110	P	10/24/2024	15:06	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	15:06	LB133110
	Calcium	23300	25000	93	90 - 110	P	10/24/2024	15:06	LB133110
	Chromium	961	1000	96	90 - 110	P	10/24/2024	15:06	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	15:06	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	15:06	LB133110
	Iron	5030	5000	101	90 - 110	P	10/24/2024	15:06	LB133110
	Lead	4830	5000	97	90 - 110	P	10/24/2024	15:06	LB133110
	Magnesium	25100	25000	100	90 - 110	P	10/24/2024	15:06	LB133110
	Manganese	2280	2500	91	90 - 110	P	10/24/2024	15:06	LB133110
	Nickel	2420	2500	97	90 - 110	P	10/24/2024	15:06	LB133110
	Potassium	25400	25000	102	90 - 110	P	10/24/2024	15:06	LB133110
	Selenium	4950	5000	99	90 - 110	P	10/24/2024	15:06	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	15:06	LB133110
	Sodium	25200	25000	101	90 - 110	P	10/24/2024	15:06	LB133110
	Thallium	4880	5000	98	90 - 110	P	10/24/2024	15:06	LB133110
	Vanadium	2270	2500	91	90 - 110	P	10/24/2024	15:06	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	15:06	LB133110
CCV04	Aluminum	9870	10000	99	90 - 110	P	10/24/2024	15:58	LB133110
	Antimony	5100	5000	102	90 - 110	P	10/24/2024	15:58	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	5050	5000	101	90 - 110	P	10/24/2024	15:58	LB133110
	Barium	9520	10000	95	90 - 110	P	10/24/2024	15:58	LB133110
	Beryllium	233	250	93	90 - 110	P	10/24/2024	15:58	LB133110
	Cadmium	2460	2500	98	90 - 110	P	10/24/2024	15:58	LB133110
	Calcium	23900	25000	96	90 - 110	P	10/24/2024	15:58	LB133110
	Chromium	966	1000	97	90 - 110	P	10/24/2024	15:58	LB133110
	Cobalt	2470	2500	99	90 - 110	P	10/24/2024	15:58	LB133110
	Copper	1270	1250	102	90 - 110	P	10/24/2024	15:58	LB133110
	Iron	4970	5000	100	90 - 110	P	10/24/2024	15:58	LB133110
	Lead	4960	5000	99	90 - 110	P	10/24/2024	15:58	LB133110
	Magnesium	22600	25000	90	90 - 110	P	10/24/2024	15:58	LB133110
	Manganese	2320	2500	93	90 - 110	P	10/24/2024	15:58	LB133110
	Nickel	2480	2500	99	90 - 110	P	10/24/2024	15:58	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	15:58	LB133110
	Selenium	5140	5000	103	90 - 110	P	10/24/2024	15:58	LB133110
	Silver	1260	1250	100	90 - 110	P	10/24/2024	15:58	LB133110
	Sodium	25300	25000	101	90 - 110	P	10/24/2024	15:58	LB133110
	Thallium	5000	5000	100	90 - 110	P	10/24/2024	15:58	LB133110
	Vanadium	2310	2500	92	90 - 110	P	10/24/2024	15:58	LB133110
	Zinc	2550	2500	102	90 - 110	P	10/24/2024	15:58	LB133110
CCV05	Aluminum	9590	10000	96	90 - 110	P	10/24/2024	16:55	LB133110
	Antimony	4920	5000	98	90 - 110	P	10/24/2024	16:55	LB133110
	Arsenic	4920	5000	98	90 - 110	P	10/24/2024	16:55	LB133110
	Barium	9440	10000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Beryllium	236	250	94	90 - 110	P	10/24/2024	16:55	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	16:55	LB133110
	Calcium	23400	25000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Chromium	945	1000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	16:55	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	16:55	LB133110
	Iron	4690	5000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	16:55	LB133110
	Magnesium	26700	25000	107	90 - 110	P	10/24/2024	16:55	LB133110
	Manganese	2360	2500	94	90 - 110	P	10/24/2024	16:55	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	2420	2500	97	90 - 110	P	10/24/2024	16:55	LB133110
	Potassium	25500	25000	102	90 - 110	P	10/24/2024	16:55	LB133110
	Selenium	5040	5000	101	90 - 110	P	10/24/2024	16:55	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	16:55	LB133110
	Sodium	24300	25000	97	90 - 110	P	10/24/2024	16:55	LB133110
	Thallium	5380	5000	108	90 - 110	P	10/24/2024	16:55	LB133110
	Vanadium	2570	2500	103	90 - 110	P	10/24/2024	16:55	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	16:55	LB133110
CCV06	Aluminum	9670	10000	97	90 - 110	P	10/24/2024	17:46	LB133110
	Antimony	5050	5000	101	90 - 110	P	10/24/2024	17:46	LB133110
	Arsenic	5050	5000	101	90 - 110	P	10/24/2024	17:46	LB133110
	Barium	9490	10000	95	90 - 110	P	10/24/2024	17:46	LB133110
	Beryllium	237	250	95	90 - 110	P	10/24/2024	17:46	LB133110
	Cadmium	2440	2500	98	90 - 110	P	10/24/2024	17:46	LB133110
	Calcium	23400	25000	94	90 - 110	P	10/24/2024	17:46	LB133110
	Chromium	944	1000	94	90 - 110	P	10/24/2024	17:46	LB133110
	Cobalt	2450	2500	98	90 - 110	P	10/24/2024	17:46	LB133110
	Copper	1260	1250	101	90 - 110	P	10/24/2024	17:46	LB133110
	Iron	4660	5000	93	90 - 110	P	10/24/2024	17:46	LB133110
	Lead	4920	5000	98	90 - 110	P	10/24/2024	17:46	LB133110
	Magnesium	24800	25000	99	90 - 110	P	10/24/2024	17:46	LB133110
	Manganese	2400	2500	96	90 - 110	P	10/24/2024	17:46	LB133110
	Nickel	2470	2500	99	90 - 110	P	10/24/2024	17:46	LB133110
	Potassium	25700	25000	103	90 - 110	P	10/24/2024	17:46	LB133110
	Selenium	5170	5000	103	90 - 110	P	10/24/2024	17:46	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	17:46	LB133110
	Sodium	24700	25000	99	90 - 110	P	10/24/2024	17:46	LB133110
	Thallium	5400	5000	108	90 - 110	P	10/24/2024	17:46	LB133110
	Vanadium	2610	2500	104	90 - 110	P	10/24/2024	17:46	LB133110
	Zinc	2480	2500	99	90 - 110	P	10/24/2024	17:46	LB133110
CCV07	Aluminum	9420	10000	94	90 - 110	P	10/24/2024	18:37	LB133110
	Antimony	4950	5000	99	90 - 110	P	10/24/2024	18:37	LB133110
	Arsenic	4930	5000	99	90 - 110	P	10/24/2024	18:37	LB133110
	Barium	9240	10000	92	90 - 110	P	10/24/2024	18:37	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	236	250	94	90 - 110	P	10/24/2024	18:37	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	18:37	LB133110
	Calcium	23000	25000	92	90 - 110	P	10/24/2024	18:37	LB133110
	Chromium	935	1000	94	90 - 110	P	10/24/2024	18:37	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	18:37	LB133110
	Copper	1230	1250	99	90 - 110	P	10/24/2024	18:37	LB133110
	Iron	4600	5000	92	90 - 110	P	10/24/2024	18:37	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	18:37	LB133110
	Magnesium	24600	25000	98	90 - 110	P	10/24/2024	18:37	LB133110
	Manganese	2380	2500	95	90 - 110	P	10/24/2024	18:37	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	18:37	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	18:37	LB133110
	Selenium	5050	5000	101	90 - 110	P	10/24/2024	18:37	LB133110
	Silver	1230	1250	98	90 - 110	P	10/24/2024	18:37	LB133110
	Sodium	24400	25000	98	90 - 110	P	10/24/2024	18:37	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	18:37	LB133110
	Vanadium	2560	2500	102	90 - 110	P	10/24/2024	18:37	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	18:37	LB133110
CCV08	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Antimony	5020	5000	100	90 - 110	P	10/24/2024	19:32	LB133110
	Arsenic	4960	5000	99	90 - 110	P	10/24/2024	19:32	LB133110
	Barium	9320	10000	93	90 - 110	P	10/24/2024	19:32	LB133110
	Beryllium	245	250	98	90 - 110	P	10/24/2024	19:32	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	19:32	LB133110
	Calcium	23200	25000	93	90 - 110	P	10/24/2024	19:32	LB133110
	Chromium	947	1000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Cobalt	2420	2500	97	90 - 110	P	10/24/2024	19:32	LB133110
	Copper	1240	1250	99	90 - 110	P	10/24/2024	19:32	LB133110
	Iron	4760	5000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Lead	4860	5000	97	90 - 110	P	10/24/2024	19:32	LB133110
	Magnesium	25000	25000	100	90 - 110	P	10/24/2024	19:32	LB133110
	Manganese	2440	2500	98	90 - 110	P	10/24/2024	19:32	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	19:32	LB133110
	Potassium	27200	25000	109	90 - 110	P	10/24/2024	19:32	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460

Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460

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	5120	5000	102	90 - 110	P	10/24/2024	19:32	LB133110
	Silver	1260	1250	101	90 - 110	P	10/24/2024	19:32	LB133110
	Sodium	25300	25000	101	90 - 110	P	10/24/2024	19:32	LB133110
	Thallium	5330	5000	107	90 - 110	P	10/24/2024	19:32	LB133110
	Vanadium	2610	2500	105	90 - 110	P	10/24/2024	19:32	LB133110
	Zinc	2530	2500	101	90 - 110	P	10/24/2024	19:32	LB133110
CCV09	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	20:31	LB133110
	Antimony	4960	5000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Arsenic	4950	5000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Barium	9150	10000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Beryllium	238	250	95	90 - 110	P	10/24/2024	20:31	LB133110
	Cadmium	2380	2500	95	90 - 110	P	10/24/2024	20:31	LB133110
	Calcium	22800	25000	91	90 - 110	P	10/24/2024	20:31	LB133110
	Chromium	920	1000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Cobalt	2390	2500	96	90 - 110	P	10/24/2024	20:31	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	20:31	LB133110
	Iron	4550	5000	91	90 - 110	P	10/24/2024	20:31	LB133110
	Lead	4810	5000	96	90 - 110	P	10/24/2024	20:31	LB133110
	Magnesium	24700	25000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Manganese	2420	2500	97	90 - 110	P	10/24/2024	20:31	LB133110
	Nickel	2410	2500	96	90 - 110	P	10/24/2024	20:31	LB133110
	Potassium	25500	25000	102	90 - 110	P	10/24/2024	20:31	LB133110
	Selenium	5090	5000	102	90 - 110	P	10/24/2024	20:31	LB133110
	Silver	1220	1250	98	90 - 110	P	10/24/2024	20:31	LB133110
	Sodium	23000	25000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Thallium	5280	5000	106	90 - 110	P	10/24/2024	20:31	LB133110
	Vanadium	2690	2500	108	90 - 110	P	10/24/2024	20:31	LB133110
	Zinc	2450	2500	98	90 - 110	P	10/24/2024	20:31	LB133110
CCV10	Aluminum	9590	10000	96	90 - 110	P	10/24/2024	21:22	LB133110
	Antimony	5110	5000	102	90 - 110	P	10/24/2024	21:22	LB133110
	Arsenic	5070	5000	101	90 - 110	P	10/24/2024	21:22	LB133110
	Barium	9340	10000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Beryllium	241	250	96	90 - 110	P	10/24/2024	21:22	LB133110
	Cadmium	2460	2500	98	90 - 110	P	10/24/2024	21:22	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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
CCV10	Calcium	23300	25000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Chromium	943	1000	94	90 - 110	P	10/24/2024	21:22	LB133110
	Cobalt	2470	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Copper	1260	1250	101	90 - 110	P	10/24/2024	21:22	LB133110
	Iron	4630	5000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Lead	4950	5000	99	90 - 110	P	10/24/2024	21:22	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/24/2024	21:22	LB133110
	Manganese	2480	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Nickel	2490	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Potassium	26100	25000	104	90 - 110	P	10/24/2024	21:22	LB133110
	Selenium	5190	5000	104	90 - 110	P	10/24/2024	21:22	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	21:22	LB133110
	Sodium	23800	25000	95	90 - 110	P	10/24/2024	21:22	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	21:22	LB133110
	Vanadium	2670	2500	107	90 - 110	P	10/24/2024	21:22	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	21:22	LB133110
CCV11	Aluminum	10300	10000	103	90 - 110	P	10/24/2024	22:15	LB133110
	Antimony	5360	5000	107	90 - 110	P	10/24/2024	22:15	LB133110
	Arsenic	5320	5000	106	90 - 110	P	10/24/2024	22:15	LB133110
	Barium	10100	10000	101	90 - 110	P	10/24/2024	22:15	LB133110
	Beryllium	256	250	102	90 - 110	P	10/24/2024	22:15	LB133110
	Cadmium	2570	2500	103	90 - 110	P	10/24/2024	22:15	LB133110
	Calcium	25000	25000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Chromium	995	1000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Cobalt	2590	2500	103	90 - 110	P	10/24/2024	22:15	LB133110
	Copper	1330	1250	106	90 - 110	P	10/24/2024	22:15	LB133110
	Iron	4890	5000	98	90 - 110	P	10/24/2024	22:15	LB133110
	Lead	5170	5000	103	90 - 110	P	10/24/2024	22:15	LB133110
	Magnesium	23500	25000	94	90 - 110	P	10/24/2024	22:15	LB133110
	Manganese	2410	2500	96	90 - 110	P	10/24/2024	22:15	LB133110
	Nickel	2610	2500	104	90 - 110	P	10/24/2024	22:15	LB133110
	Potassium	25100	25000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Selenium	5440	5000	109	90 - 110	P	10/24/2024	22:15	LB133110
	Silver	1300	1250	104	90 - 110	P	10/24/2024	22:15	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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
CCV11	Sodium	23100	25000	93	90 - 110	P	10/24/2024	22:15	LB133110
	Thallium	5040	5000	101	90 - 110	P	10/24/2024	22:15	LB133110
	Vanadium	2400	2500	96	90 - 110	P	10/24/2024	22:15	LB133110
	Zinc	2640	2500	106	90 - 110	P	10/24/2024	22:15	LB133110
CCV12	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	23:09	LB133110
	Antimony	5030	5000	101	90 - 110	P	10/24/2024	23:09	LB133110
	Arsenic	4970	5000	100	90 - 110	P	10/24/2024	23:09	LB133110
	Barium	9220	10000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Beryllium	237	250	95	90 - 110	P	10/24/2024	23:09	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	23:09	LB133110
	Calcium	23100	25000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Chromium	921	1000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	23:09	LB133110
	Copper	1230	1250	99	90 - 110	P	10/24/2024	23:09	LB133110
	Iron	4550	5000	91	90 - 110	P	10/24/2024	23:09	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	23:09	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Manganese	2480	2500	99	90 - 110	P	10/24/2024	23:09	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	23:09	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Selenium	5120	5000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Silver	1220	1250	98	90 - 110	P	10/24/2024	23:09	LB133110
	Sodium	23400	25000	94	90 - 110	P	10/24/2024	23:09	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	23:09	LB133110
	Vanadium	2640	2500	106	90 - 110	P	10/24/2024	23:09	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	23:09	LB133110
CCV13	Aluminum	9320	10000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Antimony	4910	5000	98	90 - 110	P	10/24/2024	23:58	LB133110
	Arsenic	4850	5000	97	90 - 110	P	10/24/2024	23:58	LB133110
	Barium	9180	10000	92	90 - 110	P	10/24/2024	23:58	LB133110
	Beryllium	228	250	91	90 - 110	P	10/24/2024	23:58	LB133110
	Cadmium	2300	2500	92	90 - 110	P	10/24/2024	23:58	LB133110
	Calcium	27200	25000	109	90 - 110	P	10/24/2024	23:58	LB133110
	Chromium	903	1000	90	90 - 110	P	10/24/2024	23:58	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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
CCV13	Cobalt	2320	2500	93	90 - 110	P	10/24/2024	23:58	LB133110
	Copper	1200	1250	96	90 - 110	P	10/24/2024	23:58	LB133110
	Iron	5460	5000	109	90 - 110	P	10/24/2024	23:58	LB133110
	Lead	4660	5000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Magnesium	24500	25000	98	90 - 110	P	10/24/2024	23:58	LB133110
	Manganese	2670	2500	107	90 - 110	P	10/24/2024	23:58	LB133110
	Nickel	2340	2500	94	90 - 110	P	10/24/2024	23:58	LB133110
	Potassium	25300	25000	101	90 - 110	P	10/24/2024	23:58	LB133110
	Selenium	5010	5000	100	90 - 110	P	10/24/2024	23:58	LB133110
	Silver	1180	1250	95	90 - 110	P	10/24/2024	23:58	LB133110
	Sodium	23200	25000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Thallium	5100	5000	102	90 - 110	P	10/24/2024	23:58	LB133110
	Vanadium	2670	2500	107	90 - 110	P	10/24/2024	23:58	LB133110
	Zinc	2400	2500	96	90 - 110	P	10/24/2024	23:58	LB133110
CCV14	Aluminum	9700	10000	97	90 - 110	P	10/25/2024	00:52	LB133110
	Antimony	5110	5000	102	90 - 110	P	10/25/2024	00:52	LB133110
	Arsenic	5070	5000	101	90 - 110	P	10/25/2024	00:52	LB133110
	Barium	9300	10000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Beryllium	241	250	96	90 - 110	P	10/25/2024	00:52	LB133110
	Cadmium	2430	2500	97	90 - 110	P	10/25/2024	00:52	LB133110
	Calcium	23500	25000	94	90 - 110	P	10/25/2024	00:52	LB133110
	Chromium	927	1000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Cobalt	2440	2500	98	90 - 110	P	10/25/2024	00:52	LB133110
	Copper	1260	1250	101	90 - 110	P	10/25/2024	00:52	LB133110
	Iron	4600	5000	92	90 - 110	P	10/25/2024	00:52	LB133110
	Lead	4900	5000	98	90 - 110	P	10/25/2024	00:52	LB133110
	Magnesium	25700	25000	103	90 - 110	P	10/25/2024	00:52	LB133110
	Manganese	2520	2500	101	90 - 110	P	10/25/2024	00:52	LB133110
	Nickel	2470	2500	99	90 - 110	P	10/25/2024	00:52	LB133110
	Potassium	25800	25000	103	90 - 110	P	10/25/2024	00:52	LB133110
	Selenium	5210	5000	104	90 - 110	P	10/25/2024	00:52	LB133110
	Silver	1230	1250	99	90 - 110	P	10/25/2024	00:52	LB133110
	Sodium	23200	25000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Thallium	5410	5000	108	90 - 110	P	10/25/2024	00:52	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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
CCV14	Vanadium	2680	2500	107	90 - 110	P	10/25/2024	00:52	LB133110
	Zinc	2500	2500	100	90 - 110	P	10/25/2024	00:52	LB133110
CCV15	Aluminum	9430	10000	94	90 - 110	P	10/25/2024	01:45	LB133110
	Antimony	4920	5000	98	90 - 110	P	10/25/2024	01:45	LB133110
	Arsenic	4890	5000	98	90 - 110	P	10/25/2024	01:45	LB133110
	Barium	9100	10000	91	90 - 110	P	10/25/2024	01:45	LB133110
	Beryllium	238	250	95	90 - 110	P	10/25/2024	01:45	LB133110
	Cadmium	2390	2500	96	90 - 110	P	10/25/2024	01:45	LB133110
	Calcium	23000	25000	92	90 - 110	P	10/25/2024	01:45	LB133110
	Chromium	926	1000	93	90 - 110	P	10/25/2024	01:45	LB133110
	Cobalt	2390	2500	96	90 - 110	P	10/25/2024	01:45	LB133110
	Copper	1220	1250	98	90 - 110	P	10/25/2024	01:45	LB133110
	Iron	4510	5000	90	90 - 110	P	10/25/2024	01:45	LB133110
	Lead	4800	5000	96	90 - 110	P	10/25/2024	01:45	LB133110
	Magnesium	25400	25000	101	90 - 110	P	10/25/2024	01:45	LB133110
	Manganese	2470	2500	99	90 - 110	P	10/25/2024	01:45	LB133110
	Nickel	2420	2500	97	90 - 110	P	10/25/2024	01:45	LB133110
	Potassium	25200	25000	101	90 - 110	P	10/25/2024	01:45	LB133110
	Selenium	5000	5000	100	90 - 110	P	10/25/2024	01:45	LB133110
	Silver	1210	1250	97	90 - 110	P	10/25/2024	01:45	LB133110
	Sodium	22700	25000	91	90 - 110	P	10/25/2024	01:45	LB133110
	Thallium	5160	5000	103	90 - 110	P	10/25/2024	01:45	LB133110
CCV16	Vanadium	2640	2500	106	90 - 110	P	10/25/2024	01:45	LB133110
	Zinc	2440	2500	97	90 - 110	P	10/25/2024	01:45	LB133110
	Aluminum	9310	10000	93	90 - 110	P	10/25/2024	02:44	LB133110
	Antimony	4990	5000	100	90 - 110	P	10/25/2024	02:44	LB133110
	Arsenic	4970	5000	99	90 - 110	P	10/25/2024	02:44	LB133110
	Barium	9010	10000	90	90 - 110	P	10/25/2024	02:44	LB133110
	Beryllium	236	250	94	90 - 110	P	10/25/2024	02:44	LB133110
	Cadmium	2430	2500	97	90 - 110	P	10/25/2024	02:44	LB133110
	Calcium	22900	25000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Chromium	913	1000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Cobalt	2430	2500	97	90 - 110	P	10/25/2024	02:44	LB133110
	Copper	1230	1250	99	90 - 110	P	10/25/2024	02:44	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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
CCV16	Iron	5000	5000	100	90 - 110	P	10/25/2024	02:44	LB133110
	Lead	4870	5000	97	90 - 110	P	10/25/2024	02:44	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/25/2024	02:44	LB133110
	Manganese	2720	2500	109	90 - 110	P	10/25/2024	02:44	LB133110
	Nickel	2460	2500	98	90 - 110	P	10/25/2024	02:44	LB133110
	Potassium	24700	25000	99	90 - 110	P	10/25/2024	02:44	LB133110
	Selenium	5070	5000	102	90 - 110	P	10/25/2024	02:44	LB133110
	Silver	1190	1250	96	90 - 110	P	10/25/2024	02:44	LB133110
	Sodium	22700	25000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Thallium	5300	5000	106	90 - 110	P	10/25/2024	02:44	LB133110
	Vanadium	2740	2500	110	90 - 110	P	10/25/2024	02:44	LB133110
	Zinc	2410	2500	96	90 - 110	P	10/25/2024	02:44	LB133110

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	2410	2500	96	90 - 110	P	11/01/2024	15:31	LB133257
	Antimony	1010	1000	101	90 - 110	P	11/01/2024	15:31	LB133257
	Arsenic	951	1000	95	90 - 110	P	11/01/2024	15:31	LB133257
	Barium	488	520	94	90 - 110	P	11/01/2024	15:31	LB133257
	Beryllium	493	510	97	90 - 110	P	11/01/2024	15:31	LB133257
	Cadmium	478	510	94	90 - 110	P	11/01/2024	15:31	LB133257
	Calcium	9650	10000	96	90 - 110	P	11/01/2024	15:31	LB133257
	Chromium	539	520	104	90 - 110	P	11/01/2024	15:31	LB133257
	Cobalt	516	520	99	90 - 110	P	11/01/2024	15:31	LB133257
	Copper	529	510	104	90 - 110	P	11/01/2024	15:31	LB133257
	Iron	10200	10000	102	90 - 110	P	11/01/2024	15:31	LB133257
	Lead	969	1000	97	90 - 110	P	11/01/2024	15:31	LB133257
	Magnesium	5670	6000	94	90 - 110	P	11/01/2024	15:31	LB133257
	Manganese	499	520	96	90 - 110	P	11/01/2024	15:31	LB133257
	Nickel	516	530	97	90 - 110	P	11/01/2024	15:31	LB133257
	Potassium	9990	9900	101	90 - 110	P	11/01/2024	15:31	LB133257
	Selenium	980	1000	98	90 - 110	P	11/01/2024	15:31	LB133257
	Silver	260	250	104	90 - 110	P	11/01/2024	15:31	LB133257
	Sodium	9680	10000	97	90 - 110	P	11/01/2024	15:31	LB133257
	Thallium	997	1000	100	90 - 110	P	11/01/2024	15:31	LB133257
	Vanadium	484	500	97	90 - 110	P	11/01/2024	15:31	LB133257
	Zinc	1040	1000	104	90 - 110	P	11/01/2024	15:31	LB133257

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	92.5	100	92	80 - 120	P	11/01/2024	15:35	LB133257
	Antimony	47.7	50.0	95	80 - 120	P	11/01/2024	15:35	LB133257
	Arsenic	19.3	20.0	96	80 - 120	P	11/01/2024	15:35	LB133257
	Barium	93.3	100	93	80 - 120	P	11/01/2024	15:35	LB133257
	Beryllium	5.40	6.0	90	80 - 120	P	11/01/2024	15:35	LB133257
	Cadmium	5.60	6.0	93	80 - 120	P	11/01/2024	15:35	LB133257
	Calcium	1880	2000	94	80 - 120	P	11/01/2024	15:35	LB133257
	Chromium	9.34	10.0	93	80 - 120	P	11/01/2024	15:35	LB133257
	Cobalt	28.3	30.0	94	80 - 120	P	11/01/2024	15:35	LB133257
	Copper	21.2	20.0	106	80 - 120	P	11/01/2024	15:35	LB133257
	Iron	92.8	100	93	80 - 120	P	11/01/2024	15:35	LB133257
	Lead	10.8	12.0	90	80 - 120	P	11/01/2024	15:35	LB133257
	Magnesium	1850	2000	93	80 - 120	P	11/01/2024	15:35	LB133257
	Manganese	19.4	20.0	97	80 - 120	P	11/01/2024	15:35	LB133257
	Nickel	37.5	40.0	94	80 - 120	P	11/01/2024	15:35	LB133257
	Potassium	1850	2000	92	80 - 120	P	11/01/2024	15:35	LB133257
	Selenium	18.0	20.0	90	80 - 120	P	11/01/2024	15:35	LB133257
	Silver	10.3	10.0	103	80 - 120	P	11/01/2024	15:35	LB133257
	Sodium	1790	2000	90	80 - 120	P	11/01/2024	15:35	LB133257
	Thallium	35.0	40.0	88	80 - 120	P	11/01/2024	15:35	LB133257
	Vanadium	35.1	40.0	88	80 - 120	P	11/01/2024	15:35	LB133257
	Zinc	41.2	40.0	103	80 - 120	P	11/01/2024	15:35	LB133257

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	9770	10000	98	90 - 110	P	11/01/2024	16:03	LB133257
	Antimony	4870	5000	98	90 - 110	P	11/01/2024	16:03	LB133257
	Arsenic	4810	5000	96	90 - 110	P	11/01/2024	16:03	LB133257
	Barium	9680	10000	97	90 - 110	P	11/01/2024	16:03	LB133257
	Beryllium	241	250	96	90 - 110	P	11/01/2024	16:03	LB133257
	Cadmium	2380	2500	95	90 - 110	P	11/01/2024	16:03	LB133257
	Calcium	24200	25000	97	90 - 110	P	11/01/2024	16:03	LB133257
	Chromium	984	1000	98	90 - 110	P	11/01/2024	16:03	LB133257
	Cobalt	2410	2500	96	90 - 110	P	11/01/2024	16:03	LB133257
	Copper	1220	1250	98	90 - 110	P	11/01/2024	16:03	LB133257
	Iron	4850	5000	97	90 - 110	P	11/01/2024	16:03	LB133257
	Lead	4830	5000	97	90 - 110	P	11/01/2024	16:03	LB133257
	Magnesium	23300	25000	93	90 - 110	P	11/01/2024	16:03	LB133257
	Manganese	2430	2500	97	90 - 110	P	11/01/2024	16:03	LB133257
	Nickel	2350	2500	94	90 - 110	P	11/01/2024	16:03	LB133257
	Potassium	24500	25000	98	90 - 110	P	11/01/2024	16:03	LB133257
	Selenium	4780	5000	96	90 - 110	P	11/01/2024	16:03	LB133257
	Silver	1220	1250	97	90 - 110	P	11/01/2024	16:03	LB133257
	Sodium	24100	25000	96	90 - 110	P	11/01/2024	16:03	LB133257
	Thallium	5410	5000	108	90 - 110	P	11/01/2024	16:03	LB133257
	Vanadium	2440	2500	98	90 - 110	P	11/01/2024	16:03	LB133257
	Zinc	2470	2500	99	90 - 110	P	11/01/2024	16:03	LB133257
CCV02	Aluminum	10200	10000	102	90 - 110	P	11/01/2024	16:56	LB133257
	Antimony	5060	5000	101	90 - 110	P	11/01/2024	16:56	LB133257
	Arsenic	5020	5000	100	90 - 110	P	11/01/2024	16:56	LB133257
	Barium	10000	10000	100	90 - 110	P	11/01/2024	16:56	LB133257
	Beryllium	255	250	102	90 - 110	P	11/01/2024	16:56	LB133257
	Cadmium	2520	2500	101	90 - 110	P	11/01/2024	16:56	LB133257
	Calcium	25500	25000	102	90 - 110	P	11/01/2024	16:56	LB133257
	Chromium	1030	1000	103	90 - 110	P	11/01/2024	16:56	LB133257
	Cobalt	2540	2500	102	90 - 110	P	11/01/2024	16:56	LB133257
	Copper	1280	1250	102	90 - 110	P	11/01/2024	16:56	LB133257
	Iron	5040	5000	101	90 - 110	P	11/01/2024	16:56	LB133257
	Lead	5070	5000	102	90 - 110	P	11/01/2024	16:56	LB133257

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	24600	25000	99	90 - 110	P	11/01/2024	16:56	LB133257
	Manganese	2540	2500	102	90 - 110	P	11/01/2024	16:56	LB133257
	Nickel	2490	2500	100	90 - 110	P	11/01/2024	16:56	LB133257
	Potassium	25100	25000	101	90 - 110	P	11/01/2024	16:56	LB133257
	Selenium	4960	5000	99	90 - 110	P	11/01/2024	16:56	LB133257
	Silver	1260	1250	101	90 - 110	P	11/01/2024	16:56	LB133257
	Sodium	24600	25000	98	90 - 110	P	11/01/2024	16:56	LB133257
	Thallium	5000	5000	100	90 - 110	P	11/01/2024	16:56	LB133257
	Vanadium	2550	2500	102	90 - 110	P	11/01/2024	16:56	LB133257
	Zinc	2550	2500	102	90 - 110	P	11/01/2024	16:56	LB133257
CCV03	Aluminum	10000	10000	100	90 - 110	P	11/01/2024	17:57	LB133257
	Antimony	5060	5000	101	90 - 110	P	11/01/2024	17:57	LB133257
	Arsenic	5060	5000	101	90 - 110	P	11/01/2024	17:57	LB133257
	Barium	9860	10000	99	90 - 110	P	11/01/2024	17:57	LB133257
	Beryllium	253	250	101	90 - 110	P	11/01/2024	17:57	LB133257
	Cadmium	2540	2500	102	90 - 110	P	11/01/2024	17:57	LB133257
	Calcium	25100	25000	100	90 - 110	P	11/01/2024	17:57	LB133257
	Chromium	1030	1000	103	90 - 110	P	11/01/2024	17:57	LB133257
	Cobalt	2550	2500	102	90 - 110	P	11/01/2024	17:57	LB133257
	Copper	1270	1250	102	90 - 110	P	11/01/2024	17:57	LB133257
	Iron	4990	5000	100	90 - 110	P	11/01/2024	17:57	LB133257
	Lead	5090	5000	102	90 - 110	P	11/01/2024	17:57	LB133257
	Magnesium	24500	25000	98	90 - 110	P	11/01/2024	17:57	LB133257
	Manganese	2490	2500	100	90 - 110	P	11/01/2024	17:57	LB133257
	Nickel	2520	2500	101	90 - 110	P	11/01/2024	17:57	LB133257
	Potassium	24900	25000	100	90 - 110	P	11/01/2024	17:57	LB133257
	Selenium	5060	5000	101	90 - 110	P	11/01/2024	17:57	LB133257
	Silver	1260	1250	101	90 - 110	P	11/01/2024	17:57	LB133257
	Sodium	23700	25000	95	90 - 110	P	11/01/2024	17:57	LB133257
	Thallium	4920	5000	98	90 - 110	P	11/01/2024	17:57	LB133257
CCV04	Vanadium	2490	2500	99	90 - 110	P	11/01/2024	17:57	LB133257
	Zinc	2550	2500	102	90 - 110	P	11/01/2024	17:57	LB133257
	Aluminum	9370	10000	94	90 - 110	P	11/01/2024	18:55	LB133257
	Antimony	4620	5000	92	90 - 110	P	11/01/2024	18:55	LB133257

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture SDG No.: P4460
Contract: PORT06 Lab Code: CHEM Case No.: P4460 SAS No.: P4460
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	4670	5000	93	90 - 110	P	11/01/2024	18:55	LB133257
	Barium	9020	10000	90	90 - 110	P	11/01/2024	18:55	LB133257
	Beryllium	253	250	101	90 - 110	P	11/01/2024	18:55	LB133257
	Cadmium	2420	2500	97	90 - 110	P	11/01/2024	18:55	LB133257
	Calcium	24400	25000	98	90 - 110	P	11/01/2024	18:55	LB133257
	Chromium	995	1000	100	90 - 110	P	11/01/2024	18:55	LB133257
	Cobalt	2420	2500	97	90 - 110	P	11/01/2024	18:55	LB133257
	Copper	1170	1250	94	90 - 110	P	11/01/2024	18:55	LB133257
	Iron	4800	5000	96	90 - 110	P	11/01/2024	18:55	LB133257
	Lead	4870	5000	97	90 - 110	P	11/01/2024	18:55	LB133257
	Magnesium	23700	25000	95	90 - 110	P	11/01/2024	18:55	LB133257
	Manganese	2390	2500	96	90 - 110	P	11/01/2024	18:55	LB133257
	Nickel	2370	2500	95	90 - 110	P	11/01/2024	18:55	LB133257
	Potassium	22900	25000	92	90 - 110	P	11/01/2024	18:55	LB133257
	Selenium	4620	5000	92	90 - 110	P	11/01/2024	18:55	LB133257
	Silver	1220	1250	98	90 - 110	P	11/01/2024	18:55	LB133257
	Sodium	23500	25000	94	90 - 110	P	11/01/2024	18:55	LB133257
	Thallium	4650	5000	93	90 - 110	P	11/01/2024	18:55	LB133257
	Vanadium	2360	2500	94	90 - 110	P	11/01/2024	18:55	LB133257
	Zinc	2430	2500	97	90 - 110	P	11/01/2024	18:55	LB133257
CCV05	Aluminum	10400	10000	104	90 - 110	P	11/01/2024	19:18	LB133257
	Antimony	5290	5000	106	90 - 110	P	11/01/2024	19:18	LB133257
	Arsenic	5300	5000	106	90 - 110	P	11/01/2024	19:18	LB133257
	Barium	10100	10000	101	90 - 110	P	11/01/2024	19:18	LB133257
	Beryllium	267	250	107	90 - 110	P	11/01/2024	19:18	LB133257
	Cadmium	2640	2500	106	90 - 110	P	11/01/2024	19:18	LB133257
	Calcium	26500	25000	106	90 - 110	P	11/01/2024	19:18	LB133257
	Chromium	1070	1000	107	90 - 110	P	11/01/2024	19:18	LB133257
	Cobalt	2670	2500	107	90 - 110	P	11/01/2024	19:18	LB133257
	Copper	1340	1250	107	90 - 110	P	11/01/2024	19:18	LB133257
	Iron	5140	5000	103	90 - 110	P	11/01/2024	19:18	LB133257
	Lead	5340	5000	107	90 - 110	P	11/01/2024	19:18	LB133257
	Magnesium	25100	25000	100	90 - 110	P	11/01/2024	19:18	LB133257
	Manganese	2580	2500	103	90 - 110	P	11/01/2024	19:18	LB133257

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	2600	2500	104	90 - 110	P	11/01/2024	19:18	LB133257
	Potassium	25600	25000	103	90 - 110	P	11/01/2024	19:18	LB133257
	Selenium	5290	5000	106	90 - 110	P	11/01/2024	19:18	LB133257
	Silver	1310	1250	105	90 - 110	P	11/01/2024	19:18	LB133257
	Sodium	24300	25000	97	90 - 110	P	11/01/2024	19:18	LB133257
	Thallium	5130	5000	103	90 - 110	P	11/01/2024	19:18	LB133257
	Vanadium	2570	2500	103	90 - 110	P	11/01/2024	19:18	LB133257
	Zinc	2540	2500	102	90 - 110	P	11/01/2024	19:18	LB133257



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

Metals

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
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	10/22/2024	12:03	LB133043
CRI01	Aluminum	94.6	100	95	40 - 160	P	10/23/2024	15:22	LB133086
	Antimony	48.5	50.0	97	40 - 160	P	10/23/2024	15:22	LB133086
	Arsenic	19.7	20.0	99	40 - 160	P	10/23/2024	15:22	LB133086
	Barium	92.7	100	93	40 - 160	P	10/23/2024	15:22	LB133086
	Beryllium	5.42	6.0	90	40 - 160	P	10/23/2024	15:22	LB133086
	Cadmium	5.38	6.0	90	40 - 160	P	10/23/2024	15:22	LB133086
	Calcium	1860	2000	93	40 - 160	P	10/23/2024	15:22	LB133086
	Chromium	10.0	10.0	100	40 - 160	P	10/23/2024	15:22	LB133086
	Cobalt	28.3	30.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Copper	20.9	20.0	105	40 - 160	P	10/23/2024	15:22	LB133086
	Iron	102	100	102	40 - 160	P	10/23/2024	15:22	LB133086
	Lead	11.1	12.0	92	40 - 160	P	10/23/2024	15:22	LB133086
	Magnesium	1830	2000	92	40 - 160	P	10/23/2024	15:22	LB133086
	Manganese	18.7	20.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Nickel	37.4	40.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Potassium	1950	2000	98	40 - 160	P	10/23/2024	15:22	LB133086
	Selenium	17.6	20.0	88	40 - 160	P	10/23/2024	15:22	LB133086
	Silver	10.1	10.0	101	40 - 160	P	10/23/2024	15:22	LB133086
	Sodium	1970	2000	99	40 - 160	P	10/23/2024	15:22	LB133086
	Thallium	37.5	40.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Vanadium	37.7	40.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Zinc	42.1	40.0	105	40 - 160	P	10/23/2024	15:22	LB133086
CRI01	Aluminum	100	100	100	40 - 160	P	10/24/2024	13:38	LB133110
	Antimony	51.1	50.0	102	40 - 160	P	10/24/2024	13:38	LB133110
	Arsenic	19.7	20.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Barium	94.3	100	94	40 - 160	P	10/24/2024	13:38	LB133110
	Beryllium	5.58	6.0	93	40 - 160	P	10/24/2024	13:38	LB133110
	Cadmium	5.58	6.0	93	40 - 160	P	10/24/2024	13:38	LB133110
	Calcium	1920	2000	96	40 - 160	P	10/24/2024	13:38	LB133110
	Chromium	9.95	10.0	100	40 - 160	P	10/24/2024	13:38	LB133110
	Cobalt	29.3	30.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Copper	22.1	20.0	110	40 - 160	P	10/24/2024	13:38	LB133110
	Iron	102	100	102	40 - 160	P	10/24/2024	13:38	LB133110
	Lead	11.7	12.0	97	40 - 160	P	10/24/2024	13:38	LB133110

Metals
- 2b -
CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	1850	2000	93	40 - 160	P	10/24/2024	13:38	LB133110
	Manganese	19.3	20.0	96	40 - 160	P	10/24/2024	13:38	LB133110
	Nickel	38.8	40.0	97	40 - 160	P	10/24/2024	13:38	LB133110
	Potassium	1970	2000	98	40 - 160	P	10/24/2024	13:38	LB133110
	Selenium	17.8	20.0	89	40 - 160	P	10/24/2024	13:38	LB133110
	Silver	10.6	10.0	106	40 - 160	P	10/24/2024	13:38	LB133110
	Sodium	1860	2000	93	40 - 160	P	10/24/2024	13:38	LB133110
	Thallium	39.2	40.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Vanadium	34.7	40.0	87	40 - 160	P	10/24/2024	13:38	LB133110
	Zinc	44.4	40.0	111	40 - 160	P	10/24/2024	13:38	LB133110
CRA	Mercury	0.21	0.2	104	40 - 160	CV	10/25/2024	12:33	LB133129
CRI01	Aluminum	92.9	100	93	40 - 160	P	11/01/2024	15:44	LB133257
	Antimony	49.0	50.0	98	40 - 160	P	11/01/2024	15:44	LB133257
	Arsenic	18.6	20.0	93	40 - 160	P	11/01/2024	15:44	LB133257
	Barium	92.9	100	93	40 - 160	P	11/01/2024	15:44	LB133257
	Beryllium	5.38	6.0	90	40 - 160	P	11/01/2024	15:44	LB133257
	Cadmium	5.56	6.0	93	40 - 160	P	11/01/2024	15:44	LB133257
	Calcium	1890	2000	95	40 - 160	P	11/01/2024	15:44	LB133257
	Chromium	9.61	10.0	96	40 - 160	P	11/01/2024	15:44	LB133257
	Cobalt	28.6	30.0	95	40 - 160	P	11/01/2024	15:44	LB133257
	Copper	21.9	20.0	109	40 - 160	P	11/01/2024	15:44	LB133257
	Iron	95.0	100	95	40 - 160	P	11/01/2024	15:44	LB133257
	Lead	10.6	12.0	88	40 - 160	P	11/01/2024	15:44	LB133257
	Magnesium	1830	2000	91	40 - 160	P	11/01/2024	15:44	LB133257
	Manganese	19.5	20.0	98	40 - 160	P	11/01/2024	15:44	LB133257
	Nickel	37.6	40.0	94	40 - 160	P	11/01/2024	15:44	LB133257
	Potassium	1910	2000	96	40 - 160	P	11/01/2024	15:44	LB133257
	Selenium	18.5	20.0	93	40 - 160	P	11/01/2024	15:44	LB133257
	Silver	10.3	10.0	103	40 - 160	P	11/01/2024	15:44	LB133257
	Sodium	1820	2000	91	40 - 160	P	11/01/2024	15:44	LB133257
	Thallium	33.3	40.0	83	40 - 160	P	11/01/2024	15:44	LB133257
	Vanadium	37.1	40.0	93	40 - 160	P	11/01/2024	15:44	LB133257
	Zinc	42.1	40.0	105	40 - 160	P	11/01/2024	15:44	LB133257

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
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	247000	255000	97	216000	294000	10/23/2024	15:26	LB133086
	Antimony	0.40			-50	50	10/23/2024	15:26	LB133086
	Arsenic	6.17			-20	20	10/23/2024	15:26	LB133086
	Barium	4.64	6.0	77	-94	106	10/23/2024	15:26	LB133086
	Beryllium	1.26			-6	6	10/23/2024	15:26	LB133086
	Cadmium	5.24	1.0	524	-5	7	10/23/2024	15:26	LB133086
	Calcium	231000	245000	94	208000	282000	10/23/2024	15:26	LB133086
	Chromium	58.7	52.0	113	42	62	10/23/2024	15:26	LB133086
	Cobalt	2.02			-30	30	10/23/2024	15:26	LB133086
	Copper	2.08	2.0	104	-18	22	10/23/2024	15:26	LB133086
	Iron	102000	101000	101	85600	116500	10/23/2024	15:26	LB133086
	Lead	7.85			-12	12	10/23/2024	15:26	LB133086
	Magnesium	254000	255000	100	216000	294000	10/23/2024	15:26	LB133086
	Manganese	4.31	7.0	62	-13	27	10/23/2024	15:26	LB133086
	Nickel	2.14	2.0	107	-38	42	10/23/2024	15:26	LB133086
	Potassium	-5.76			0	0	10/23/2024	15:26	LB133086
	Selenium	-14.6			-20	20	10/23/2024	15:26	LB133086
	Silver	0.40			-10	10	10/23/2024	15:26	LB133086
	Sodium	18.1			0	0	10/23/2024	15:26	LB133086
	Thallium	16.5			-40	40	10/23/2024	15:26	LB133086
	Vanadium	8.08			-40	40	10/23/2024	15:26	LB133086
	Zinc	5.93			-40	40	10/23/2024	15:26	LB133086
ICSAB01	Aluminum	242000	247000	98	209000	285000	10/23/2024	15:32	LB133086
	Antimony	613	618	99	525	711	10/23/2024	15:32	LB133086
	Arsenic	109	104	105	88.4	120	10/23/2024	15:32	LB133086
	Barium	477	537	89	437	637	10/23/2024	15:32	LB133086
	Beryllium	478	495	97	420	570	10/23/2024	15:32	LB133086
	Cadmium	987	972	102	826	1120	10/23/2024	15:32	LB133086
	Calcium	225000	235000	96	199000	271000	10/23/2024	15:32	LB133086
	Chromium	574	542	106	460	624	10/23/2024	15:32	LB133086
	Cobalt	514	476	108	404	548	10/23/2024	15:32	LB133086
	Copper	486	511	95	434	588	10/23/2024	15:32	LB133086
	Iron	100000	99300	101	84400	114500	10/23/2024	15:32	LB133086
	Lead	55.0	49.0	112	37	61	10/23/2024	15:32	LB133086
	Magnesium	247000	248000	100	210000	286000	10/23/2024	15:32	LB133086
	Manganese	464	507	92	430	584	10/23/2024	15:32	LB133086
	Nickel	1020	954	107	810	1100	10/23/2024	15:32	LB133086
	Potassium	-2.05			0	0	10/23/2024	15:32	LB133086
	Selenium	32.1	46.0	70	26	66	10/23/2024	15:32	LB133086
	Silver	206	201	102	170	232	10/23/2024	15:32	LB133086
	Sodium	20.8			0	0	10/23/2024	15:32	LB133086
	Thallium	109	108	101	68	148	10/23/2024	15:32	LB133086

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
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	463	491	94	417	565	10/23/2024	15:32	LB133086
	Zinc	1090	952	114	809	1095	10/23/2024	15:32	LB133086
ICSA01	Aluminum	245000	255000	96	216000	294000	10/24/2024	13:43	LB133110
	Antimony	0.022			-50	50	10/24/2024	13:43	LB133110
	Arsenic	4.95			-20	20	10/24/2024	13:43	LB133110
	Barium	3.29	6.0	55	-94	106	10/24/2024	13:43	LB133110
	Beryllium	1.29			-6	6	10/24/2024	13:43	LB133110
	Cadmium	3.37	1.0	337	-5	7	10/24/2024	13:43	LB133110
	Calcium	227000	245000	93	208000	282000	10/24/2024	13:43	LB133110
	Chromium	55.4	52.0	106	42	62	10/24/2024	13:43	LB133110
	Cobalt	2.27			-30	30	10/24/2024	13:43	LB133110
	Copper	8.59	2.0	430	-18	22	10/24/2024	13:43	LB133110
	Iron	101000	101000	100	85600	116500	10/24/2024	13:43	LB133110
	Lead	9.27			-12	12	10/24/2024	13:43	LB133110
	Magnesium	246000	255000	96	216000	294000	10/24/2024	13:43	LB133110
	Manganese	3.89	7.0	56	-13	27	10/24/2024	13:43	LB133110
	Nickel	2.59	2.0	130	-38	42	10/24/2024	13:43	LB133110
	Potassium	-36.7			0	0	10/24/2024	13:43	LB133110
	Selenium	-16.1			-20	20	10/24/2024	13:43	LB133110
	Silver	0.37			-10	10	10/24/2024	13:43	LB133110
	Sodium	4.15			0	0	10/24/2024	13:43	LB133110
	Thallium	3.67			-40	40	10/24/2024	13:43	LB133110
	Vanadium	5.91			-40	40	10/24/2024	13:43	LB133110
	Zinc	5.89			-40	40	10/24/2024	13:43	LB133110
ICSAB01	Aluminum	256000	247000	104	209000	285000	10/24/2024	13:54	LB133110
	Antimony	643	618	104	525	711	10/24/2024	13:54	LB133110
	Arsenic	111	104	107	88.4	120	10/24/2024	13:54	LB133110
	Barium	488	537	91	437	637	10/24/2024	13:54	LB133110
	Beryllium	482	495	97	420	570	10/24/2024	13:54	LB133110
	Cadmium	981	972	101	826	1120	10/24/2024	13:54	LB133110
	Calcium	232000	235000	99	199000	271000	10/24/2024	13:54	LB133110
	Chromium	565	542	104	460	624	10/24/2024	13:54	LB133110
	Cobalt	527	476	111	404	548	10/24/2024	13:54	LB133110
	Copper	518	511	101	434	588	10/24/2024	13:54	LB133110
	Iron	104000	99300	105	84400	114500	10/24/2024	13:54	LB133110
	Lead	57.7	49.0	118	37	61	10/24/2024	13:54	LB133110
	Magnesium	249000	248000	100	210000	286000	10/24/2024	13:54	LB133110
	Manganese	471	507	93	430	584	10/24/2024	13:54	LB133110
	Nickel	1040	954	109	810	1100	10/24/2024	13:54	LB133110
	Potassium	-31.8			0	0	10/24/2024	13:54	LB133110
	Selenium	35.0	46.0	76	26	66	10/24/2024	13:54	LB133110
	Silver	230	201	114	170	232	10/24/2024	13:54	LB133110

Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
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	-3.02			0	0	10/24/2024	13:54	LB133110
	Thallium	99.3	108	92	68	148	10/24/2024	13:54	LB133110
	Vanadium	460	491	94	417	565	10/24/2024	13:54	LB133110
	Zinc	918	952	96	809	1095	10/24/2024	13:54	LB133110
ICSA01	Aluminum	246000	255000	96	216000	294000	11/01/2024	15:48	LB133257
	Antimony	2.70			-50	50	11/01/2024	15:48	LB133257
	Arsenic	3.05			-20	20	11/01/2024	15:48	LB133257
	Barium	2.81	6.0	47	-94	106	11/01/2024	15:48	LB133257
	Beryllium	2.80			-6	6	11/01/2024	15:48	LB133257
	Cadmium	6.71	1.0	671	-5	7	11/01/2024	15:48	LB133257
	Calcium	229000	245000	94	208000	282000	11/01/2024	15:48	LB133257
	Chromium	57.1	52.0	110	42	62	11/01/2024	15:48	LB133257
	Cobalt	3.83			-30	30	11/01/2024	15:48	LB133257
	Copper	8.51	2.0	426	-18	22	11/01/2024	15:48	LB133257
	Iron	100000	101000	99	85600	116500	11/01/2024	15:48	LB133257
	Lead	7.70			-12	12	11/01/2024	15:48	LB133257
	Magnesium	248000	255000	97	216000	294000	11/01/2024	15:48	LB133257
	Manganese	5.09	7.0	73	-13	27	11/01/2024	15:48	LB133257
	Nickel	5.18	2.0	259	-38	42	11/01/2024	15:48	LB133257
	Potassium	-31.4			0	0	11/01/2024	15:48	LB133257
	Selenium	-16.8			-20	20	11/01/2024	15:48	LB133257
	Silver	0.24			-10	10	11/01/2024	15:48	LB133257
	Sodium	17.4			0	0	11/01/2024	15:48	LB133257
	Thallium	5.89			-40	40	11/01/2024	15:48	LB133257
	Vanadium	10.1			-40	40	11/01/2024	15:48	LB133257
	Zinc	11.9			-40	40	11/01/2024	15:48	LB133257
ICSAB01	Aluminum	274000	247000	111	209000	285000	11/01/2024	15:58	LB133257
	Antimony	688	618	111	525	711	11/01/2024	15:58	LB133257
	Arsenic	112	104	108	88.4	120	11/01/2024	15:58	LB133257
	Barium	541	537	101	437	637	11/01/2024	15:58	LB133257
	Beryllium	533	495	108	420	570	11/01/2024	15:58	LB133257
	Cadmium	1050	972	108	826	1120	11/01/2024	15:58	LB133257
	Calcium	255000	235000	108	199000	271000	11/01/2024	15:58	LB133257
	Chromium	478	542	88	460	624	11/01/2024	15:58	LB133257
	Cobalt	456	476	96	404	548	11/01/2024	15:58	LB133257
	Copper	540	511	106	434	588	11/01/2024	15:58	LB133257
	Iron	111000	99300	112	84400	114500	11/01/2024	15:58	LB133257
	Lead	58.4	49.0	119	37	61	11/01/2024	15:58	LB133257
	Magnesium	278000	248000	112	210000	286000	11/01/2024	15:58	LB133257
	Manganese	528	507	104	430	584	11/01/2024	15:58	LB133257
	Nickel	1090	954	114	810	1100	11/01/2024	15:58	LB133257
	Potassium	-42.2			0	0	11/01/2024	15:58	LB133257

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
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	Selenium	35.7	46.0	78	26	66	11/01/2024	15:58	LB133257
	Silver	225	201	112	170	232	11/01/2024	15:58	LB133257
	Sodium	17.3			0	0	11/01/2024	15:58	LB133257
	Thallium	90.7	108	84	68	148	11/01/2024	15:58	LB133257
	Vanadium	528	491	108	417	565	11/01/2024	15:58	LB133257
	Zinc	976	952	102	809	1095	11/01/2024	15:58	LB133257



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>P4460</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>P4460</u> sas no.: <u>P4460</u>
matrix: <u>Solid</u>	sample id: <u>P4443-01</u>	client id: <u>OG-315-HR-502-COMP-29MS</u>
Percent Solids for Sample: <u>92</u>	Spiked ID: <u>P4443-01MS</u>	Percent Solids for Spike Sample: <u>92</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.46		0.14		0.27	118		CV

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>P4460</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>P4460</u> sas no.: <u>P4460</u>
matrix: <u>Solid</u>	sample id: <u>P4443-01</u>	client id: <u>OG-315-HR-502-COMP-29MSD</u>
Percent Solids for Sample: <u>92</u>	Spiked ID: <u>P4443-01MSD</u>	Percent Solids for Spike Sample: <u>92</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.47		0.14		0.28	114		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	<u>Portal Partners Tri-Venture</u>	level:	<u>low</u>	sdg no.:	<u>P4460</u>
contract:	<u>PORT06</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4460</u>
matrix:	<u>Solid</u>	sample id:	<u>P4460-03</u>	client id:	<u>WB-303-BOTMS</u>
Percent Solids for Sample:	80.1	Spiked ID:	P4460-03MS	Percent Solids for Spike Sample:	80.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5620		7450		110	-1667		P
Antimony	mg/Kg	75 - 125	28.5		3.03	U	44.2	64	N	P
Arsenic	mg/Kg	75 - 125	34.7		1.46		44.2	75		P
Barium	mg/Kg	75 - 125	27.2		26.9		11.0	3	N	P
Beryllium	mg/Kg	75 - 125	8.36		0.68		11.0	70	N	P
Cadmium	mg/Kg	75 - 125	11.6		2.27		11.0	85		P
Calcium	mg/Kg	75 - 125	3480		2810		55.2	1219		P
Chromium	mg/Kg	75 - 125	28.7		14.6		22.1	64	N	P
Cobalt	mg/Kg	75 - 125	18.3		10.5		11.0	72	N	P
Copper	mg/Kg	75 - 125	24.7		16.5		16.6	50	N	P
Iron	mg/Kg	75 - 125	13600		18500		170	-2850		P
Lead	mg/Kg	75 - 125	55.2		9.67		55.2	82		P
Magnesium	mg/Kg	75 - 125	4170		4680		110	-463		P
Manganese	mg/Kg	75 - 125	255		273		11.0	-167		P
Nickel	mg/Kg	75 - 125	40.8		19.8		27.6	76		P
Potassium	mg/Kg	75 - 125	1380		1320		550	11	N	P
Selenium	mg/Kg	75 - 125	75.9		1.21	U	110	69	N	P
Silver	mg/Kg	75 - 125	3.44		0.61	U	4.1	84		P
Sodium	mg/Kg	75 - 125	953		1020		170	-42		P
Thallium	mg/Kg	75 - 125	94.0		2.42	U	110	86		P
Vanadium	mg/Kg	75 - 125	26.3		18.2		16.6	49	N	P
Zinc	mg/Kg	75 - 125	39.0		40.5		11.0	-14	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Portal Partners Tri-Venture</u>	level:	<u>low</u>	sdg no.:	<u>P4460</u>
contract:	<u>PORT06</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4460</u>
matrix:	<u>Solid</u>	sample id:	<u>P4460-03</u>	client id:	<u>WB-303-BOTMSD</u>
Percent Solids for Sample:	80.1	Spiked ID:	P4460-03MSD	Percent Solids for Spike Sample:	80.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5190		7450		100	-2269		P
Antimony	mg/Kg	75 - 125	26.4		3.03	U	40.9	64	N	P
Arsenic	mg/Kg	75 - 125	32.2		1.46		40.9	75		P
Barium	mg/Kg	75 - 125	24.8		26.9		10.2	-20	N	P
Beryllium	mg/Kg	75 - 125	7.78		0.68		10.2	70	N	P
Cadmium	mg/Kg	75 - 125	10.8		2.27		10.2	83		P
Calcium	mg/Kg	75 - 125	3220		2810		51.2	816		P
Chromium	mg/Kg	75 - 125	26.7		14.6		20.5	59	N	P
Cobalt	mg/Kg	75 - 125	17.0		10.5		10.2	64	N	P
Copper	mg/Kg	75 - 125	22.8		16.5		15.3	42	N	P
Iron	mg/Kg	75 - 125	12700		18500		150	-3832		P
Lead	mg/Kg	75 - 125	51.4		9.67		51.2	82		P
Magnesium	mg/Kg	75 - 125	3850		4680		100	-826		P
Manganese	mg/Kg	75 - 125	235		273		10.2	-372		P
Nickel	mg/Kg	75 - 125	37.9		19.8		25.6	71	N	P
Potassium	mg/Kg	75 - 125	1290		1320		510	-6	N	P
Selenium	mg/Kg	75 - 125	70.6		1.21	U	100	71	N	P
Silver	mg/Kg	75 - 125	3.23		0.61	U	3.8	85		P
Sodium	mg/Kg	75 - 125	889		1020		150	-90		P
Thallium	mg/Kg	75 - 125	87.1		2.42	U	100	87		P
Vanadium	mg/Kg	75 - 125	24.3		18.2		15.3	40	N	P
Zinc	mg/Kg	75 - 125	36.3		40.5		10.2	-41	N	P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>P4460</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>P4460</u> sas no.: <u>P4460</u>
matrix: <u>Water</u>	sample id: <u>P4460-06</u>	client id: <u>WB-303-SWMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4460-06MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1580		426		1000	115		P
Antimony	ug/L	75 - 125	558		3.58	J	400	139	N	P
Arsenic	ug/L	75 - 125	508		10.0	U	400	127	N	P
Barium	ug/L	75 - 125	125		28.9	J	100	96		P
Beryllium	ug/L	75 - 125	108		3.00	U	100	108		P
Cadmium	ug/L	75 - 125	83.3		3.00	U	100	83		P
Calcium	ug/L	75 - 125	206000		201000		500	969		P
Chromium	ug/L	75 - 125	160		2.34	J	200	79		P
Cobalt	ug/L	75 - 125	91.7		15.0	U	100	92		P
Copper	ug/L	75 - 125	125		10.0	U	150	83		P
Iron	ug/L	75 - 125	2150		574		1500	105		P
Lead	ug/L	75 - 125	413		6.00	U	500	83		P
Magnesium	ug/L	75 - 125	720000		704000		1000	1670		P
Manganese	ug/L	75 - 125	155		68.4		100	87		P
Nickel	ug/L	75 - 125	223		1.58	J	250	89		P
Potassium	ug/L	75 - 125	438000		468000		5000	-598		P
Selenium	ug/L	75 - 125	1310		10.0	U	1000	131	N	P
Silver	ug/L	75 - 125	67.2		5.00	U	37.5	179	N	P
Sodium	ug/L	75 - 125	6450000	D	6160000	D	1500	19155		P
Thallium	ug/L	75 - 125	825		20.0	U	1000	82		P
Vanadium	ug/L	75 - 125	147		20.0	U	150	98		P
Zinc	ug/L	75 - 125	174		19.8	J	100	154	N	P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>P4460</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>P4460</u> sas no.: <u>P4460</u>
matrix: <u>Water</u>	sample id: <u>P4460-06</u>	client id: <u>WB-303-SWMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4460-06MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1720		426		1000	129	N	P
Antimony	ug/L	75 - 125	599		3.58	J	400	149	N	P
Arsenic	ug/L	75 - 125	544		10.0	U	400	136	N	P
Barium	ug/L	75 - 125	133		28.9	J	100	104		P
Beryllium	ug/L	75 - 125	111		3.00	U	100	111		P
Cadmium	ug/L	75 - 125	87.7		3.00	U	100	88		P
Calcium	ug/L	75 - 125	210000		201000		500	1828		P
Chromium	ug/L	75 - 125	167		2.34	J	200	82		P
Cobalt	ug/L	75 - 125	97.1		15.0	U	100	97		P
Copper	ug/L	75 - 125	132		10.0	U	150	88		P
Iron	ug/L	75 - 125	2190		574		1500	108		P
Lead	ug/L	75 - 125	434		6.00	U	500	87		P
Magnesium	ug/L	75 - 125	711000		704000		1000	741		P
Manganese	ug/L	75 - 125	158		68.4		100	90		P
Nickel	ug/L	75 - 125	235		1.58	J	250	94		P
Potassium	ug/L	75 - 125	487000		468000		5000	369		P
Selenium	ug/L	75 - 125	1400		10.0	U	1000	140	N	P
Silver	ug/L	75 - 125	70.5		5.00	U	37.5	188	N	P
Sodium	ug/L	75 - 125	6320000	D	6160000	D	1500	10476		P
Thallium	ug/L	75 - 125	882		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	152		20.0	U	150	101		P
Zinc	ug/L	75 - 125	182		19.8	J	100	162	N	P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>P4460</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>P4460</u> sas no.: <u>P4460</u>
matrix: <u>Water</u>	sample id: <u>P4546-03</u>	client id: <u>34839-40MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4546-03MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	2.53		0.28		4.0	56	N	CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>P4460</u>
contract: <u>PORT06</u>	lab code: <u>CHEM</u>	case no.: <u>P4460</u> sas no.: <u>P4460</u>
matrix: <u>Water</u>	sample id: <u>P4546-03</u>	client id: <u>34839-40MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4546-03MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	2.27		0.28		4.0	50	N	CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Portal Partners Tri-Venture</u>	SDG No.: <u>P4460</u>	
Contract: <u>PORT06</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4460</u> SAS No.: <u>P4460</u>
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>WB-303-BOTA</u>
Sample ID: <u>P4460-03</u>	Spiked ID: <u>P4460-03A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	31.2		3.03	U	48.5	64		P
Barium	mg/Kg	75 - 125	29.1		26.9		12.1	18		P
Beryllium	mg/Kg	75 - 125	9.18		0.68		12.1	70		P
Chromium	mg/Kg	75 - 125	31.6		14.6		24.2	70		P
Cobalt	mg/Kg	75 - 125	20.1		10.5		12.1	79		P
Copper	mg/Kg	75 - 125	27.1		16.5		18.2	59		P
Nickel	mg/Kg	75 - 125	44.7		19.8		30.3	82		P
Potassium	mg/Kg	75 - 125	1510		1320		610	31		P
Selenium	mg/Kg	75 - 125	83.3		1.21	U	120	69		P
Vanadium	mg/Kg	75 - 125	28.5		18.2		18.2	57		P
Zinc	mg/Kg	75 - 125	42.8		40.5		12.1	20		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Portal Partners Tri-Venture</u>	SDG No.: <u>P4460</u>	
Contract: <u>PORT06</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4460</u> SAS No.: <u>P4460</u>
Matrix: <u>Water</u>	Level: <u>LOW</u>	Client ID: <u>WB-303-SWA</u>
Sample ID: <u>P4460-06</u>	Spiked ID: <u>P4460-06A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1530		426		10000	11		P
Antimony	ug/L	75 - 125	540		3.58	J	400	134		P
Arsenic	ug/L	75 - 125	496		10.0	U	400	124		P
Selenium	ug/L	75 - 125	1270		10.0	U	1000	127		P
Silver	ug/L	75 - 125	63.1		5.00	U	37.5	168		P
Zinc	ug/L	75 - 125	161		19.8	J	100	141		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>P4460</u>				
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4460</u>	SAS No.:	<u>P4460</u>
Matrix:	<u>Water</u>	Level:	<u>LOW</u>	Client ID:	<u>34839-40A</u>		
Sample ID:	<u>P4546-03</u>	Spiked ID:	<u>P4546-03A</u>				

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.38		0.28		4.00	103		CV

A
B
C
D
E
F
G
H
I
J

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4460</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4460</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4443-01</u>	Client ID:	<u>OG-315-HR-502-COMP-29DUP</u>
Percent Solids for Sample:	92	Duplicate ID	P4443-01DUP	Percent Solids for Spike Sample:	92

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.14		0.14		1		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4460</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4460</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4443-01MS</u>	Client ID:	<u>OG-315-HR-502-COMP-29MSD</u>
Percent Solids for Sample:	92	Duplicate ID	P4443-01MSD	Percent Solids for Spike Sample:	92

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.46		0.47		1		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
Matrix: Solid **Sample ID:** P4460-03 **Client ID:** WB-303-BOTDUP
Percent Solids for Sample: 80.1 **Duplicate ID** P4460-03DUP **Percent Solids for Spike Sample:** 80.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7450		6620		12		P
Antimony	mg/Kg	20	3.03	U	2.68	U			P
Arsenic	mg/Kg	20	1.46		1.37		6		P
Barium	mg/Kg	20	26.9		23.9		12		P
Beryllium	mg/Kg	20	0.68		0.60		12		P
Cadmium	mg/Kg	20	2.27		2.02		12		P
Calcium	mg/Kg	20	2810		2510		11		P
Chromium	mg/Kg	20	14.6		12.8		13		P
Cobalt	mg/Kg	20	10.5		9.16		13		P
Copper	mg/Kg	20	16.5		14.6		12		P
Iron	mg/Kg	20	18500		16000		14		P
Lead	mg/Kg	20	9.67		8.50		13		P
Magnesium	mg/Kg	20	4680		4180		11		P
Manganese	mg/Kg	20	273		243		12		P
Nickel	mg/Kg	20	19.8		17.3		13		P
Potassium	mg/Kg	20	1320		1140		15		P
Selenium	mg/Kg	20	1.21	U	1.07	U			P
Silver	mg/Kg	20	0.61	U	0.54	U			P
Sodium	mg/Kg	20	1020		883		14		P
Thallium	mg/Kg	20	2.42	U	2.14	U			P
Vanadium	mg/Kg	20	18.2		16.2		12		P
Zinc	mg/Kg	20	40.5		35.5		13		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
Matrix: Solid **Sample ID:** P4460-03MS **Client ID:** WB-303-BOTMSD
Percent Solids for Sample: 80.1 **Duplicate ID** P4460-03MSD **Percent Solids for Spike Sample:** 80.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5620		5190		8		P
Antimony	mg/Kg	20	28.5		26.4		8		P
Arsenic	mg/Kg	20	34.7		32.2		7		P
Barium	mg/Kg	20	27.2		24.8		9		P
Beryllium	mg/Kg	20	8.36		7.78		7		P
Cadmium	mg/Kg	20	11.6		10.8		8		P
Calcium	mg/Kg	20	3480		3220		8		P
Chromium	mg/Kg	20	28.7		26.7		7		P
Cobalt	mg/Kg	20	18.3		17.0		7		P
Copper	mg/Kg	20	24.7		22.8		8		P
Iron	mg/Kg	20	13600		12700		7		P
Lead	mg/Kg	20	55.2		51.4		7		P
Magnesium	mg/Kg	20	4170		3850		8		P
Manganese	mg/Kg	20	255		235		8		P
Nickel	mg/Kg	20	40.8		37.9		7		P
Potassium	mg/Kg	20	1380		1290		7		P
Selenium	mg/Kg	20	75.9		70.6		7		P
Silver	mg/Kg	20	3.44		3.23		6		P
Sodium	mg/Kg	20	953		889		7		P
Thallium	mg/Kg	20	94.0		87.1		8		P
Vanadium	mg/Kg	20	26.3		24.3		8		P
Zinc	mg/Kg	20	39.0		36.3		7		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
Matrix: Water **Sample ID:** P4460-06 **Client ID:** WB-303-SWDUP
Percent Solids for Sample: NA **Duplicate ID** P4460-06DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	426		426		0		P
Antimony	ug/L	20	3.58	J	3.10	J	14		P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	28.9	J	28.9	J	0		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	201000		201000		0		P
Chromium	ug/L	20	2.34	J	1.76	J	28		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	574		556		3		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	704000		693000		2		P
Manganese	ug/L	20	68.4		67.1		2		P
Nickel	ug/L	20	1.58	J	1.61	J	2		P
Potassium	ug/L	20	468000		457000		2		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	6160000	D	6030000	D	2		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	19.8	J	19.2	J	3		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460
Matrix: Water **Sample ID:** P4460-06MS **Client ID:** WB-303-SWMSD
Percent Solids for Sample: NA **Duplicate ID** P4460-06MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1580		1720		8		P
Antimony	ug/L	20	558		599		7		P
Arsenic	ug/L	20	508		544		7		P
Barium	ug/L	20	125		133		6		P
Beryllium	ug/L	20	108		111		3		P
Cadmium	ug/L	20	83.3		87.7		5		P
Calcium	ug/L	20	206000		210000		2		P
Chromium	ug/L	20	160		167		4		P
Cobalt	ug/L	20	91.7		97.1		6		P
Copper	ug/L	20	125		132		5		P
Iron	ug/L	20	2150		2190		2		P
Lead	ug/L	20	413		434		5		P
Magnesium	ug/L	20	720000		711000		1		P
Manganese	ug/L	20	155		158		2		P
Nickel	ug/L	20	223		235		5		P
Potassium	ug/L	20	438000		487000		11		P
Selenium	ug/L	20	1310		1400		7		P
Silver	ug/L	20	67.2		70.5		5		P
Sodium	ug/L	20	6450000	D	6320000	D	2		P
Thallium	ug/L	20	825		882		7		P
Vanadium	ug/L	20	147		152		3		P
Zinc	ug/L	20	174		182		4		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4460</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4460</u>
Matrix:	<u>Water</u>	Sample ID:	<u>P4546-03</u>	Client ID:	<u>34839-40DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	P4546-03DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.28		0.26		6		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4460</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4460</u>
Matrix:	<u>Water</u>	Sample ID:	<u>P4546-03MS</u>	Client ID:	<u>34839-40MSD</u>
Percent Solids for Sample:	<u>NA</u>	Duplicate ID	<u>P4546-03MSD</u>	Percent Solids for Spike Sample:	<u>NA</u>

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.53		2.27		11		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164289BS							
Aluminum	mg/Kg	87.7	79.7		91	80 - 120	P
Antimony	mg/Kg	35.1	33.9		97	80 - 120	P
Arsenic	mg/Kg	35.1	32.1		92	80 - 120	P
Barium	mg/Kg	8.8	7.65		87	80 - 120	P
Beryllium	mg/Kg	8.8	8.05		92	80 - 120	P
Cadmium	mg/Kg	8.8	7.63		87	80 - 120	P
Calcium	mg/Kg	43.9	50.5	J	115	80 - 120	P
Chromium	mg/Kg	17.5	16.3		93	80 - 120	P
Cobalt	mg/Kg	8.8	8.26		94	80 - 120	P
Copper	mg/Kg	13.2	13.2		100	80 - 120	P
Iron	mg/Kg	130	146		112	80 - 120	P
Lead	mg/Kg	43.9	39.3		90	80 - 120	P
Magnesium	mg/Kg	87.7	84.4	J	96	80 - 120	P
Manganese	mg/Kg	8.8	9.51		108	80 - 120	P
Nickel	mg/Kg	21.9	21.0		96	80 - 120	P
Potassium	mg/Kg	440	437		99	80 - 120	P
Selenium	mg/Kg	87.7	82.9		94	80 - 120	P
Silver	mg/Kg	3.3	3.22		98	80 - 120	P
Sodium	mg/Kg	130	120		92	80 - 120	P
Thallium	mg/Kg	87.7	88.4		101	80 - 120	P
Vanadium	mg/Kg	13.2	13.7		104	80 - 120	P
Zinc	mg/Kg	8.8	8.90		101	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164322BS Mercury	mg/Kg	0.27	0.29		106	80 - 124	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164347BS							
Aluminum	ug/L	1000	902		90	80 - 120	P
Antimony	ug/L	400	383		96	80 - 120	P
Arsenic	ug/L	400	361		90	80 - 120	P
Barium	ug/L	100	86.3		86	80 - 120	P
Beryllium	ug/L	100	92.3		92	80 - 120	P
Cadmium	ug/L	100	86.6		87	80 - 120	P
Calcium	ug/L	500	567	J	113	80 - 120	P
Chromium	ug/L	200	189		94	80 - 120	P
Cobalt	ug/L	100	93.8		94	80 - 120	P
Copper	ug/L	150	149		99	80 - 120	P
Iron	ug/L	1500	1690		113	80 - 120	P
Lead	ug/L	500	445		89	80 - 120	P
Magnesium	ug/L	1000	964	J	96	80 - 120	P
Manganese	ug/L	100	108		108	80 - 120	P
Nickel	ug/L	250	238		95	80 - 120	P
Potassium	ug/L	5000	5030		101	80 - 120	P
Selenium	ug/L	1000	933		93	80 - 120	P
Silver	ug/L	37.5	37.1		99	80 - 120	P
Sodium	ug/L	1500	1390		93	80 - 120	P
Thallium	ug/L	1000	1000		100	80 - 120	P
Vanadium	ug/L	150	157		105	80 - 120	P
Zinc	ug/L	100	101		101	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164407BS Mercury	ug/L	4.0	4.04		101	82 - 119	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OG-315-HR-502-COMP-29L

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM **Lb No.:** lb133043 **Lab Sample ID :** P4443-01L **SDG No.:** P4460

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.14	0.11	27		CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

WB-303-BOTL

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM Lb No.: lb133086 Lab Sample ID : P4460-03L SDG No.: P4460

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Differ-ence	Q	M
	C			C					
Aluminum		7450			8640		16		P
Antimony		3.03	U		15.2	U			P
Arsenic		1.46			6.06	U	100.0		P
Barium		26.9			31.7		18		P
Beryllium		0.68			0.88	J	29		P
Cadmium		2.27			1.63	J	28		P
Calcium		2810			3420		22		P
Chromium		14.6			17.8		22		P
Cobalt		10.5			10.7		2		P
Copper		16.5			21.6		31		P
Iron		18500			22200		20		P
Lead		9.67			10.5		9		P
Magnesium		4680			5490		17		P
Manganese		273			332		22		P
Nickel		19.8			20.7		4		P
Potassium		1320			1460		11		P
Selenium		1.21	U		6.06	U			P
Silver		0.61	U		3.03	U			P
Sodium		1020			1140		11		P
Thallium		2.42	U		12.1	U			P
Vanadium		18.2			21.7		19		P
Zinc		40.5			48.3		19		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

WB-303-SWL

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM Lb No.: lb133110 Lab Sample ID : P4460-06L SDG No.: P4460

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
		C		C			
Aluminum	426		301		29		P
Antimony	3.58	J	125	U	100.0		P
Arsenic	10.0	U	50.0	U			P
Barium	28.9	J	250	U	100.0		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	201000		237000		18		P
Chromium	2.34	J	25.0	U	100.0		P
Cobalt	15.0	U	75.0	U			P
Copper	10.0	U	50.0	U			P
Iron	574		557		3		P
Lead	6.00	U	30.0	U			P
Magnesium	704000		851000		21		P
Manganese	68.4		76.1		11		P
Nickel	1.58	J	100	U	100.0		P
Potassium	468000		313000		33		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	6160000	D	5680000	D	8		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	19.8	J	15.6	J	22		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

34839-40L

Lab Name: Chemtech Consulting Group

Contract: PORT06

Lab Code: CHEM **Lb No.:** lb133129 **Lab Sample ID :** P4546-03L **SDG No.:** P4460

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.28	1.00 U	100.0		CV

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133043

Start date: 10/22/2024 **End date:** 10/22/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1134	HG
S0.2	S0.2	1	1137	HG
S2.5	S2.5	1	1139	HG
S5	S5	1	1141	HG
S7.5	S7.5	1	1144	HG
S10	S10	1	1151	HG
ICV47	ICV47	1	1154	HG
ICB47	ICB47	1	1157	HG
CCV52	CCV52	1	1159	HG
CCB52	CCB52	1	1201	HG
CRA	CRA	1	1203	HG
PB164322BL	PB164322BL	1	1213	HG
PB164322BS	PB164322BS	1	1215	HG
P4443-01DUP	OG-315-HR-502-COMP-29DUP	1	1232	HG
P4443-01MS	OG-315-HR-502-COMP-29MS	1	1234	HG
CCV53	CCV53	1	1236	HG
CCB53	CCB53	1	1239	HG
P4443-01MSD	OG-315-HR-502-COMP-29MSD	1	1241	HG
P4460-03	WB-303-BOT	1	1255	HG
CCV54	CCV54	1	1304	HG
CCB54	CCB54	1	1307	HG
P4443-01L	OG-315-HR-502-COMP-29L	5	1323	HG
P4460-02	WB-303-TOP	10	1327	HG
CCV55	CCV55	1	1329	HG
CCB55	CCB55	1	1332	HG

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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133086

Start date: 10/23/2024 **End date:** 10/23/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1424	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	1428	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	1432	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	1437	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	1441	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	1445	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	1459	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	1511	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	1516	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	1522	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	1526	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	1532	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	1557	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	1602	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	1648	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	1652	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	1742	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	1746	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-02	WB-303-TOP	1	1755	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03	WB-303-BOT	1	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03DUP	WB-303-BOTDUP	1	1804	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03L	WB-303-BOTL	5	1808	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03MS	WB-303-BOTMS	1	1812	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03MSD	WB-303-BOTMSD	1	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03A	WB-303-BOTA	1	1820	Ba,Be,Co,Cr,Cu,K,Ni,Sb,Se,V,Zn
CCV04	CCV04	1	1832	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	1836	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	1923	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	1928	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	2015	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	2021	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	2128	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	2134	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	2220	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	2225	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.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133110

Start date: 10/24/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1214	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	1218	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	1223	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	1227	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	1231	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	1235	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	1326	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	1330	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	1334	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	1338	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	1343	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	1354	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	1406	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	1411	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	1453	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	1457	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	1506	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	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1558	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1602	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1655	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	1659	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	1746	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	1750	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	1837	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	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06	WB-303-SW	1	1900	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06DUP	WB-303-SWDUP	1	1904	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06L	WB-303-SWL	5	1909	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06MS	WB-303-SWMS	1	1914	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06MSD	WB-303-SWMSD	1	1919	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06A	WB-303-SWA	1	1923	Ag,Al,As,Sb,Se,Zn
CCV08	CCV08	1	1932	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	1945	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164347BL	PB164347BL	1	1949	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	2031	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	2036	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2122	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2128	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	2215	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133110

Start date: 10/24/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV12	CCV12	1	2309	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	2313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164347BS	PB164347BS	1	2317	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164289BL	PB164289BL	1	2337	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164289BS	PB164289BS	1	2341	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV13	CCV13	1	2358	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB13	CCB13	1	0002	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV14	CCV14	1	0052	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB14	CCB14	1	0056	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV15	CCV15	1	0145	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB15	CCB15	1	0150	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV16	CCV16	1	0244	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB16	CCB16	1	0248	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133129

Start date: 10/25/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1151	HG
S0.2	S0.2	1	1153	HG
S2.5	S2.5	1	1155	HG
S5	S5	1	1158	HG
S7.5	S7.5	1	1203	HG
S10	S10	1	1207	HG
ICV53	ICV53	1	1221	HG
ICB53	ICB53	1	1223	HG
CCV73	CCV73	1	1225	HG
CCB73	CCB73	1	1230	HG
CRA	CRA	1	1233	HG
PB164407BL	PB164407BL	1	1242	HG
PB164407BS	PB164407BS	1	1244	HG
P4460-06	WB-303-SW	1	1254	HG
CCV74	CCV74	1	1300	HG
CCB74	CCB74	1	1306	HG
P4546-03DUP	34839-40DUP	1	1319	HG
P4546-03MS	34839-40MS	1	1321	HG
P4546-03MSD	34839-40MSD	1	1323	HG
P4546-03L	34839-40L	5	1325	HG
P4546-03A	34839-40A	1	1328	HG
CCV75	CCV75	1	1330	HG
CCB75	CCB75	1	1332	HG

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133257

Start date: 11/01/2024 **End date:** 11/01/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1506	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	1510	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	1514	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	1518	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	1523	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	1527	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	1531	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	1535	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	1540	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	1544	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	1548	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	1558	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	1603	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	1607	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	1656	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	1700	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	1757	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	1801	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06	WB-303-SW	25	1805	Na
P4460-06DUP	WB-303-SWDUP	25	1810	Na
P4460-06L	WB-303-SWL	125	1814	Na
P4460-06MS	WB-303-SWMS	25	1818	Na
P4460-06MSD	WB-303-SWMSD	25	1823	Na
CCV04	CCV04	1	1855	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	1859	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	1918	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	1922	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Portal Partners Tri-Venture

SDG No.: P4460

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

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

LAB CHRONICLE

OrderID:	P4460	OrderDate:	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	WB-303-TOP	SOIL			10/18/24			10/18/24
			Mercury	7471B		10/21/24	10/22/24	
			Metals ICP-TAL	6010D		10/21/24	10/23/24	
P4460-03	WB-303-BOT	SOIL			10/18/24			10/18/24
			Mercury	7471B		10/21/24	10/22/24	
			Metals ICP-TAL	6010D		10/21/24	10/23/24	
P4460-04	WB-303-BOT	TCLP			10/18/24			10/18/24
			TCLP ICP Metals	6010D		10/21/24	10/23/24	
			TCLP Mercury	7470A		10/22/24	10/23/24	
P4460-06	WB-303-SW	Water			10/18/24			10/18/24
			Mercury	7470A		10/24/24	10/25/24	
			Metals ICP-TAL	6010D		10/23/24	10/24/24	
			Metals ICP-TAL	6010D		10/23/24	11/01/24	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>P4460</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4460</u>
		SAS No.:	<u>P4460</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164289							
P4460-02	WB-303-TOP	SAM	SOLID	10/21/2024	2.21	100.0	51.50
P4460-03	WB-303-BOT	SAM	SOLID	10/21/2024	2.06	100.0	80.10
P4460-03DUP	WB-303-BOTDUP	DUP	SOLID	10/21/2024	2.33	100.0	80.10
P4460-03MS	WB-303-BOTMS	MS	SOLID	10/21/2024	2.26	100.0	80.10
P4460-03MSD	WB-303-BOTMSD	MSD	SOLID	10/21/2024	2.44	100.0	80.10
PB164289BL	PB164289BL	MB	SOLID	10/21/2024	2.28	100.0	100.00
PB164289BS	PB164289BS	LCS	SOLID	10/21/2024	2.28	100.0	100.00

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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>P4460</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4460</u>
		SAS No.:	<u>P4460</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164322							
P3390-02	LOQ-SOIL-02-QT3-2024	LCS	SOLID	10/21/2024	0.50	35.0	100.00
P4443-01DUP	OG-315-HR-502-COMP-29DUP	DUP	SOLID	10/21/2024	0.56	35.0	92.00
P4443-01MS	OG-315-HR-502-COMP-29MS	MS	SOLID	10/21/2024	0.57	35.0	92.00
P4443-01MSD	OG-315-HR-502-COMP-29MSD	MSD	SOLID	10/21/2024	0.55	35.0	92.00
P4460-02	WB-303-TOP	SAM	SOLID	10/21/2024	0.50	35.0	51.50
P4460-03	WB-303-BOT	SAM	SOLID	10/21/2024	0.55	35.0	80.10
PB164322BL	PB164322BL	MB	SOLID	10/21/2024	0.57	35.0	100.00
PB164322BS	PB164322BS	LCS	SOLID	10/21/2024	0.52	35.0	100.00

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>P4460</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4460</u>
		SAS No.:	<u>P4460</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164347							
P4460-06	WB-303-SW	SAM	WATER	10/23/2024	50.0	25.0	
P4460-06DUP	WB-303-SWDUP	DUP	WATER	10/23/2024	50.0	25.0	
P4460-06MS	WB-303-SWMS	MS	WATER	10/23/2024	50.0	25.0	
P4460-06MSD	WB-303-SWMSD	MSD	WATER	10/23/2024	50.0	25.0	
PB164347BL	PB164347BL	MB	WATER	10/23/2024	50.0	25.0	
PB164347BS	PB164347BS	LCS	WATER	10/23/2024	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	SDG No.:	<u>P4460</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4460</u>
		SAS No.:	<u>P4460</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164407							
P4460-06	WB-303-SW	SAM	WATER	10/24/2024	30.0	30.0	
P4546-03DUP	34839-40DUP	DUP	WATER	10/24/2024	30.0	30.0	
P4546-03MS	34839-40MS	MS	WATER	10/24/2024	30.0	30.0	
P4546-03MSD	34839-40MSD	MSD	WATER	10/24/2024	30.0	30.0	
PB164407BL	PB164407BL	MB	WATER	10/24/2024	30.0	30.0	
PB164407BS	PB164407BS	LCS	WATER	10/24/2024	30.0	30.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133043

Review By	jaswal	Review On	10/23/2024 11:18:07 PM
Supervise By	mohan	Supervise On	10/23/2024 11:20:31 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82839,MP82841,MP82842,MP82843,MP82844,MP82845		
ICV Standard	MP82846		
CCV Standard	MP82848		
ICSA Standard			
CRI Standard	MP82850		
LCS Standard			
Chk Standard	MP82847,MP82849,MP82851,MP82864		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/22/24 11:34		Mohan	OK
2	S0.2	S0.2	CAL2	10/22/24 11:37		Mohan	OK
3	S2.5	S2.5	CAL3	10/22/24 11:39		Mohan	OK
4	S5	S5	CAL4	10/22/24 11:41		Mohan	OK
5	S7.5	S7.5	CAL5	10/22/24 11:44		Mohan	OK
6	S10	S10	CAL6	10/22/24 11:51		Mohan	OK
7	ICV47	ICV47	ICV	10/22/24 11:54		Mohan	OK
8	ICB47	ICB47	ICB	10/22/24 11:57		Mohan	OK
9	CCV52	CCV52	CCV	10/22/24 11:59		Mohan	OK
10	CCB52	CCB52	CCB	10/22/24 12:01		Mohan	OK
11	CRA	CRA	CRDL	10/22/24 12:03		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/22/24 12:06		Mohan	OK
13	ChkStd	ChkStd	SAM	10/22/24 12:08		Mohan	OK
14	PB164322BL	PB164322BL	MB	10/22/24 12:13		Mohan	OK
15	PB164322BS	PB164322BS	LCS	10/22/24 12:15		Mohan	OK
16	P3390-01	LOD-MDL-SOIL-01-Q	SAM	10/22/24 12:20		Mohan	OK
17	P3390-02	LOQ-SOIL-02-QT3-20	LCS	10/22/24 12:22	True Value - 0.014 = Recovery - 107%	Mohan	OK
18	P4443-01	OG-315-HR-502-COM	SAM	10/22/24 12:30		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133043

Review By	jaswal	Review On	10/23/2024 11:18:07 PM
Supervise By	mohan	Supervise On	10/23/2024 11:20:31 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82839,MP82841,MP82842,MP82843,MP82844,MP82845		
ICV Standard	MP82846		
CCV Standard	MP82848		
ICSA Standard			
CRI Standard	MP82850		
LCS Standard			
Chk Standard	MP82847,MP82849,MP82851,MP82864		

19	P4443-01DUP	OG-315-HR-502-COM	DUP	10/22/24 12:32		Mohan	OK
20	P4443-01MS	OG-315-HR-502-COM	MS	10/22/24 12:34		Mohan	OK
21	CCV53	CCV53	CCV	10/22/24 12:36		Mohan	OK
22	CCB53	CCB53	CCB	10/22/24 12:39		Mohan	OK
23	P4443-01MSD	OG-315-HR-502-COM	MSD	10/22/24 12:41		Mohan	OK
24	P4443-06	OG-315-HR-502-COM	SAM	10/22/24 12:43		Mohan	OK
25	P4452-01	ETGI-285	SAM	10/22/24 12:46		Mohan	OK
26	P4455-01	SU-4-101824	SAM	10/22/24 12:48		Mohan	OK
27	P4458-01	280517	SAM	10/22/24 12:50		Mohan	OK
28	P4460-02	WB-303-TOP	SAM	10/22/24 12:53	Hg High	Mohan	Dilution
29	P4460-03	WB-303-BOT	SAM	10/22/24 12:55		Mohan	OK
30	P4467-01	TP-1	SAM	10/22/24 12:57		Mohan	OK
31	P4468-01	ETGI-331	SAM	10/22/24 13:00		Mohan	OK
32	P4468-03	ETGI-329	SAM	10/22/24 13:02		Mohan	OK
33	CCV54	CCV54	CCV	10/22/24 13:04		Mohan	OK
34	CCB54	CCB54	CCB	10/22/24 13:07		Mohan	OK
35	P4468-05	ETGI-345	SAM	10/22/24 13:09		Mohan	OK
36	P4470-01	CL-01-102124	SAM	10/22/24 13:11		Mohan	OK
37	P4471-01	B-180-SB01	SAM	10/22/24 13:13		Mohan	OK
38	P4471-02	B-180-SB02	SAM	10/22/24 13:16		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133043

Review By	jaswal	Review On	10/23/2024 11:18:07 PM
Supervise By	mohan	Supervise On	10/23/2024 11:20:31 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82839,MP82841,MP82842,MP82843,MP82844,MP82845		
ICV Standard	MP82846		
CCV Standard	MP82848		
ICSA Standard			
CRI Standard	MP82850		
LCS Standard			
Chk Standard	MP82847,MP82849,MP82851,MP82864		

39	P4472-01	BP-F-28	SAM	10/22/24 13:18		Mohan	OK
40	P4472-05	BP-F-6	SAM	10/22/24 13:20		Mohan	OK
41	P4443-01L	OG-315-HR-502-COM	SD	10/22/24 13:23		Mohan	OK
42	P4443-01A	OG-315-HR-502-COM	PS	10/22/24 13:25		Mohan	OK
43	P4460-02DL	WB-303-TOPDL	SAM	10/22/24 13:27	10X for Hg	Mohan	Confirms
44	CCV55	CCV55	CCV	10/22/24 13:29		Mohan	OK
45	CCB55	CCB55	CCB	10/22/24 13:32		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/23/24 14:24		Kareem	OK
2	S1	S1	CAL2	10/23/24 14:28		Kareem	OK
3	S2	S2	CAL3	10/23/24 14:32		Kareem	OK
4	S3	S3	CAL4	10/23/24 14:37		Kareem	OK
5	S4	S4	CAL5	10/23/24 14:41		Kareem	OK
6	S5	S5	CAL6	10/23/24 14:45		Kareem	OK
7	ICV01	ICV01	ICV	10/23/24 14:59		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/23/24 15:11		Kareem	OK
9	ICB01	ICB01	ICB	10/23/24 15:16		Kareem	OK
10	CRI01	CRI01	CRDL	10/23/24 15:22		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/23/24 15:26		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/23/24 15:32		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/23/24 15:36		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/23/24 15:40		Kareem	OK
15	CCV01	CCV01	CCV	10/23/24 15:57		Kareem	OK
16	CCB01	CCB01	CCB	10/23/24 16:02		Kareem	OK
17	P4458-02	280517	SAM	10/23/24 16:06		Kareem	OK
18	P4458-01	280517	SAM	10/23/24 16:10		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

19	P4443-05	OG-315-HR-502-COM	SAM	10/23/24 16:15		Kareem	OK
20	P4443-10	OG-315-HR-502-COM	SAM	10/23/24 16:19		Kareem	OK
21	P4443-01	OG-315-HR-502-COM	SAM	10/23/24 16:23		Kareem	OK
22	P4443-06	OG-315-HR-502-COM	SAM	10/23/24 16:28		Kareem	OK
23	P4452-01	ETGI-285	SAM	10/23/24 16:32	Ca,Cr high	Kareem	Dilution
24	P4452-01DL	ETGI-285DL	SAM	10/23/24 16:44	5x for Ca,Cr	Kareem	Confirms
25	CCV02	CCV02	CCV	10/23/24 16:48		Kareem	OK
26	CCB02	CCB02	CCB	10/23/24 16:52		Kareem	OK
27	P4397-06	WB-301-BOT	SAM	10/23/24 16:59		Kareem	OK
28	P4460-04	WB-303-BOT	SAM	10/23/24 17:03		Kareem	OK
29	P4460-04DUP	WB-303-BOTDUP	DUP	10/23/24 17:08		Kareem	OK
30	P4460-04L	WB-303-BOTL	SD	10/23/24 17:12		Kareem	OK
31	P4460-04MS	WB-303-BOTMS	MS	10/23/24 17:17	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
32	P4460-04MSD	WB-303-BOTMSD	MSD	10/23/24 17:21	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
33	P4460-04A	WB-303-BOTA	PS	10/23/24 17:25	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
34	PB164261TB	PB164261TB	MB	10/23/24 17:29		Kareem	OK
35	PB164298BL	PB164298BL	MB	10/23/24 17:34		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

36	PB164298BS	PB164298BS	LCS	10/23/24 17:38	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
37	CCV03	CCV03	CCV	10/23/24 17:42		Kareem	OK
38	CCB03	CCB03	CCB	10/23/24 17:46		Kareem	OK
39	P4456-01	PAD-10182024	SAM	10/23/24 17:51		Kareem	OK
40	P4460-02	WB-303-TOP	SAM	10/23/24 17:55		Kareem	OK
41	P4460-03	WB-303-BOT	SAM	10/23/24 17:59	MS-MSD Fail for more than 50% parameter	Kareem	OK
42	P4460-03DUP	WB-303-BOTDUP	DUP	10/23/24 18:04	MS-MSD Fail for more than 50% parameter	Kareem	OK
43	P4460-03L	WB-303-BOTL	SD	10/23/24 18:08	MS-MSD Fail for more than 50% parameter	Kareem	OK
44	P4460-03MS	WB-303-BOTMS	MS	10/23/24 18:12	MS-MSD Fail for more than 50% parameter	Kareem	OK
45	P4460-03MSD	WB-303-BOTMSD	MSD	10/23/24 18:16	MS-MSD Fail for more than 50% parameter	Kareem	OK
46	P4460-03A	WB-303-BOTA	PS	10/23/24 18:20	MS-MSD Fail for more than 50% parameter	Kareem	OK
47	PB164289BL	PB164289BL	MB	10/23/24 18:24	Fail for Al	Kareem	Not Ok
48	PB164289BS	PB164289BS	LCS	10/23/24 18:28	Fail for Al,Sb,As,Ba,Be,Cd,Pb,Mg, Mn,Se,Tl,V	Kareem	Not Ok
49	CCV04	CCV04	CCV	10/23/24 18:32		Kareem	OK
50	CCB04	CCB04	CCB	10/23/24 18:36		Kareem	OK
51	PB164244BL	PB164244BL	MB	10/23/24 18:41		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

52	PB164244BS	PB164244BS	LCS	10/23/24 18:45	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
53	PB164195TB	PB164195TB	MB	10/23/24 18:49		Kareem	OK
54	PB164197TB	PB164197TB	MB	10/23/24 18:54		Kareem	OK
55	PB164248BL	PB164248BL	MB	10/23/24 18:58		Kareem	OK
56	PB164248BS	PB164248BS	LCS	10/23/24 19:03	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
57	PB164174BL	PB164174BL	MB	10/23/24 19:07		Kareem	OK
58	PB164174BS	PB164174BS	LCS	10/23/24 19:11	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
59	PB164221BL	PB164221BL	MB	10/23/24 19:15		Kareem	OK
60	PB164221BS	PB164221BS	LCS	10/23/24 19:19	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
61	CCV05	CCV05	CCV	10/23/24 19:23		Kareem	OK
62	CCB05	CCB05	CCB	10/23/24 19:28		Kareem	OK
63	PB164222BL	PB164222BL	MB	10/23/24 19:32		Kareem	OK
64	PB164222BS	PB164222BS	LCS	10/23/24 19:36	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
65	PB164220BL	PB164220BL	MB	10/23/24 19:40		Kareem	OK
66	PB164220BS	PB164220BS	LCS	10/23/24 19:45	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

67	P4424-01	1-N-1	SAM	10/23/24 19:49		Kareem	OK
68	P4424-01DUP	1-N-1DUP	DUP	10/23/24 19:53		Kareem	OK
69	P4424-01L	1-N-1L	SD	10/23/24 19:58		Kareem	OK
70	P4424-01MS	1-N-1MS	MS	10/23/24 20:02	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
71	P4424-01MSD	1-N-1MSD	MSD	10/23/24 20:06	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
72	P4424-01A	1-N-1A	PS	10/23/24 20:11	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
73	CCV06	CCV06	CCV	10/23/24 20:15		Kareem	OK
74	CCB06	CCB06	CCB	10/23/24 20:21		Kareem	OK
75	P4424-02	1-S-1	SAM	10/23/24 20:25		Kareem	OK
76	P4424-03	1-B-1	SAM	10/23/24 20:30		Kareem	OK
77	P4397-04DL	WB-301-SWDL	SAM	10/23/24 20:47	Not Use	Kareem	Not Ok
78	P4397-04DUPDL	WB-301-SWDUPDL	DUP	10/23/24 20:51	Not Use	Kareem	Not Ok
79	P4397-04LDL	WB-301-SWLDL	SD	10/23/24 20:56	Not Use	Kareem	Not Ok
80	P4397-04MSDL	WB-301-SWMSDL	MS	10/23/24 21:00	Not Use	Kareem	Not Ok
81	P4397-04MSDDL	WB-301-SWMSDDL	MSD	10/23/24 21:05	Not Use	Kareem	Not Ok
82	LR1	LR1	HIGH STD	10/23/24 21:11		Kareem	OK
83	LR2	LR2	HIGH STD	10/23/24 21:16		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

84	CCV07	CCV07	CCV	10/23/24 21:28		Kareem	OK
85	CCB07	CCB07	CCB	10/23/24 21:34		Kareem	OK
86	P4397-04ADL	WB-301-SWADL	PS	10/23/24 21:39	Not Use	Kareem	Not Ok
87	P4347-01	EFFLUENT-DAY-1-M	SAM	10/23/24 21:43		Kareem	OK
88	P4347-01DUP	EFFLUENT-DAY-1-M	DUP	10/23/24 21:47		Kareem	OK
89	P4347-01L	EFFLUENT-DAY-1-M	SD	10/23/24 21:52		Kareem	OK
90	P4347-01MS	EFFLUENT-DAY-1-M	MS	10/23/24 21:56	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
91	P4347-01MSD	EFFLUENT-DAY-1-M	MSD	10/23/24 22:04	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
92	P4347-01A	EFFLUENT-DAY-1-M	PS	10/23/24 22:08	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
93	PB164302BL	PB164302BL	MB	10/23/24 22:12		Kareem	OK
94	PB164302BS	PB164302BS	LCS	10/23/24 22:16	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
95	CCV08	CCV08	CCV	10/23/24 22:20		Kareem	OK
96	CCB08	CCB08	CCB	10/23/24 22:25		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/24/24 12:14		Kareem	OK
2	S1	S1	CAL2	10/24/24 12:18		Kareem	OK
3	S2	S2	CAL3	10/24/24 12:23		Kareem	OK
4	S3	S3	CAL4	10/24/24 12:27		Kareem	OK
5	S4	S4	CAL5	10/24/24 12:31		Kareem	OK
6	S5	S5	CAL6	10/24/24 12:35		Kareem	OK
7	ICV01	ICV01	ICV	10/24/24 13:26	Fail for Ba,Be,Cd,Cu,Mg,Mn,Ag,V, Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	10/24/24 13:30		Kareem	OK
9	ICB01	ICB01	ICB	10/24/24 13:34		Kareem	OK
10	CRI01	CRI01	CRDL	10/24/24 13:38		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/24/24 13:43		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/24/24 13:54		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/24/24 13:58		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/24/24 14:02		Kareem	OK
15	CCV01	CCV01	CCV	10/24/24 14:06		Kareem	OK
16	CCB01	CCB01	CCB	10/24/24 14:11		Kareem	OK
17	P4460-03	WB-303-BOT	SAM	10/24/24 14:15	NOT USE - For Conformation	Kareem	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

18	P4460-03DUP	WB-303-BOTDUP	DUP	10/24/24 14:19	NOT USE - For Conformation	Kareem	Not Ok
19	P4460-03L	WB-303-BOTL	SD	10/24/24 14:23	NOT USE - For Conformation	Kareem	Not Ok
20	P4460-03MS	WB-303-BOTMS	MS	10/24/24 14:28	NOT USE - For Conformation	Kareem	Not Ok
21	P4460-03MSD	WB-303-BOTMSD	MSD	10/24/24 14:32	NOT USE - For Conformation	Kareem	Not Ok
22	P4460-03A	WB-303-BOTA	PS	10/24/24 14:36	NOT USE - For Conformation	Kareem	Not Ok
23	P4473-01	TS-1	SAM	10/24/24 14:40		Kareem	OK
24	P4474-01	TS-2	SAM	10/24/24 14:44		Kareem	OK
25	P4486-01	EO-03-102224	SAM	10/24/24 14:49		Kareem	OK
26	CCV02	CCV02	CCV	10/24/24 14:53		Kareem	OK
27	CCB02	CCB02	CCB	10/24/24 14:57		Kareem	OK
28	P4489-01	RT-2675	SAM	10/24/24 15:01		Kareem	OK
29	CCV03	CCV03	CCV	10/24/24 15:06		Kareem	OK
30	CCB03	CCB03	CCB	10/24/24 15:12		Kareem	OK
31	P4485-01	D20241001-01-04	SAM	10/24/24 15:16		Kareem	OK
32	P4486-01DUP	EO-03-102224DUP	DUP	10/24/24 15:21		Kareem	OK
33	P4486-01L	EO-03-102224L	SD	10/24/24 15:25		Kareem	OK
34	P4486-01MS	EO-03-102224MS	MS	10/24/24 15:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

35	P4486-01MSD	EO-03-102224MSD	MSD	10/24/24 15:33	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
36	P4486-01A	EO-03-102224A	PS	10/24/24 15:37	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
37	P4487-01	BP-B5	SAM	10/24/24 15:41		Kareem	OK
38	P4487-05	BP-F27	SAM	10/24/24 15:45		Kareem	OK
39	PB164320BL	PB164320BL	MB	10/24/24 15:49		Kareem	OK
40	PB164320BS	PB164320BS	LCS	10/24/24 15:54	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
41	CCV04	CCV04	CCV	10/24/24 15:58		Kareem	OK
42	CCB04	CCB04	CCB	10/24/24 16:02		Kareem	OK
43	LR1	LR1	HIGH STD	10/24/24 16:08		Kareem	OK
44	LR2	LR2	HIGH STD	10/24/24 16:13		Kareem	OK
45	P4467-04	TP-1	SAM	10/24/24 16:19		Kareem	OK
46	P4468-02	ETGI-331	SAM	10/24/24 16:24		Kareem	OK
47	P4468-04	ETGI-329	SAM	10/24/24 16:28		Kareem	OK
48	P4468-06	ETGI-345	SAM	10/24/24 16:33		Kareem	OK
49	P4472-04	BP-F-28	SAM	10/24/24 16:37		Kareem	OK
50	P4472-08	BP-F-6	SAM	10/24/24 16:42		Kareem	OK
51	P4472-08DUP	BP-F-6DUP	DUP	10/24/24 16:46		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

52	P4472-08L	BP-F-6L	SD	10/24/24 16:50		Kareem	OK
53	CCV05	CCV05	CCV	10/24/24 16:55		Kareem	OK
54	CCB05	CCB05	CCB	10/24/24 16:59		Kareem	OK
55	P4472-08MS	BP-F-6MS	MS	10/24/24 17:03		Kareem	OK
56	P4472-08MSD	BP-F-6MSD	MSD	10/24/24 17:08		Kareem	OK
57	P4472-08A	BP-F-6A	PS	10/24/24 17:12	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
58	PB164301TB	PB164301TB	MB	10/24/24 17:16		Kareem	OK
59	PB164319BL	PB164319BL	MB	10/24/24 17:21		Kareem	OK
60	PB164319BS	PB164319BS	LCS	10/24/24 17:25	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
61	P4467-01	TP-1	SAM	10/24/24 17:29		Kareem	OK
62	P4468-01	ETGI-331	SAM	10/24/24 17:33		Kareem	OK
63	P4468-03	ETGI-329	SAM	10/24/24 17:37		Kareem	OK
64	P4468-05	ETGI-345	SAM	10/24/24 17:41		Kareem	OK
65	CCV06	CCV06	CCV	10/24/24 17:46		Kareem	OK
66	CCB06	CCB06	CCB	10/24/24 17:50		Kareem	OK
67	P4470-01	CL-01-102124	SAM	10/24/24 17:56		Kareem	OK
68	P4470-01DUP	CL-01-102124DUP	DUP	10/24/24 18:00		Kareem	OK
69	P4470-01L	CL-01-102124L	SD	10/24/24 18:04		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

70	P4471-01	B-180-SB01	SAM	10/24/24 18:20		Kareem	OK
71	P4471-02	B-180-SB02	SAM	10/24/24 18:24		Kareem	OK
72	P4472-01	BP-F-28	SAM	10/24/24 18:28		Kareem	OK
73	P4472-05	BP-F-6	SAM	10/24/24 18:32		Kareem	OK
74	CCV07	CCV07	CCV	10/24/24 18:37		Kareem	OK
75	CCB07	CCB07	CCB	10/24/24 18:41		Kareem	OK
76	PB164317BL	PB164317BL	MB	10/24/24 18:45		Kareem	OK
77	P4423-02	COMP	SAM	10/24/24 18:55		Kareem	OK
78	P4460-06	WB-303-SW	SAM	10/24/24 19:00	Na (Oversaturated)	Kareem	Dilution
79	P4460-06DUP	WB-303-SWDUP	DUP	10/24/24 19:04	Na (Oversaturated)	Kareem	Dilution
80	P4460-06L	WB-303-SWL	SD	10/24/24 19:09	Na high	Kareem	Dilution
81	P4460-06MS	WB-303-SWMS	MS	10/24/24 19:14	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
82	P4460-06MSD	WB-303-SWMSD	MSD	10/24/24 19:19	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
83	P4460-06A	WB-303-SWA	PS	10/24/24 19:23	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
84	P4485-03	D20241001-02-03	SAM	10/24/24 19:28		Kareem	OK
85	CCV08	CCV08	CCV	10/24/24 19:32		Kareem	OK
86	CCB08	CCB08	CCB	10/24/24 19:45		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

87	PB164347BL	PB164347BL	MB	10/24/24 19:49		Kareem	OK
88	PB164347BSRE	PB164347BSRE	LCS	10/24/24 19:53	NOT USE	Kareem	Not Ok
89	P4508-01	TP-3	SAM	10/24/24 19:57		Kareem	OK
90	P4508-05	BP-F23	SAM	10/24/24 20:01		Kareem	OK
91	P4508-09	BP-F22	SAM	10/24/24 20:06		Kareem	OK
92	P4509-01	AU-06-10232024	SAM	10/24/24 20:11		Kareem	OK
93	P4509-01DUP	AU-06-10232024DUP	DUP	10/24/24 20:15		Kareem	OK
94	P4509-01L	AU-06-10232024L	SD	10/24/24 20:19		Kareem	OK
95	P4509-01MS	AU-06-10232024MS	MS	10/24/24 20:23		Kareem	OK
96	P4509-01MSD	AU-06-10232024MSD	MSD	10/24/24 20:27		Kareem	OK
97	CCV09	CCV09	CCV	10/24/24 20:31		Kareem	OK
98	CCB09	CCB09	CCB	10/24/24 20:36		Kareem	OK
99	P4509-01A	AU-06-10232024A	PS	10/24/24 20:40	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
100	P4512-03	VNJ-212	SAM	10/24/24 20:44		Kareem	OK
101	P4515-01	CHVB0783	SAM	10/24/24 20:48		Kareem	OK
102	P4517-01	NASSAU-ST-CO	SAM	10/24/24 20:52		Kareem	OK
103	P4517-03	S.JEFFERSON-CO-1	SAM	10/24/24 20:57		Kareem	OK
104	P4517-05	S.JEFFERSON-CO-2	SAM	10/24/24 21:01		Kareem	OK
105	P4517-07	FOREST-ST-CO	SAM	10/24/24 21:05		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

106	PB164376BL	PB164376BL	MB	10/24/24 21:10		Kareem	OK
107	PB164376BS	PB164376BS	LCS	10/24/24 21:14	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
108	P3426-01	927-K1-WS-073124	SAM	10/24/24 21:18		Kareem	OK
109	CCV10	CCV10	CCV	10/24/24 21:22		Kareem	OK
110	CCB10	CCB10	CCB	10/24/24 21:28		Kareem	OK
111	P3426-02	927-K1-WS-073124-F	SAM	10/24/24 21:32		Kareem	OK
112	P3429-01	926-K1-WS-073124	SAM	10/24/24 21:36		Kareem	OK
113	P3429-02	931-K1-WS-073124	SAM	10/24/24 21:41		Kareem	OK
114	P3429-03	925-K1-WS-073124	SAM	10/24/24 21:45		Kareem	OK
115	P3451-01	921-J-WS-080124	SAM	10/24/24 21:49		Kareem	OK
116	P3457-01	924-K1-WS-080224	SAM	10/24/24 21:54		Kareem	OK
117	P3457-02	932-K1-WS-080224	SAM	10/24/24 21:58		Kareem	OK
118	P3467-01	919-J-WS-080224	SAM	10/24/24 22:03		Kareem	OK
119	P3596-01	918-J-WS-081324	SAM	10/24/24 22:07		Kareem	OK
120	P3596-02	918-J-WS-081324-FD	SAM	10/24/24 22:11		Kareem	OK
121	CCV11	CCV11	CCV	10/24/24 22:15		Kareem	OK
122	CCB11	CCB11	CCB	10/24/24 22:20		Kareem	OK
123	P3609-01	915-J-WS-081424	SAM	10/24/24 22:26		Kareem	OK
124	P3609-02	920-J-WS-081424	SAM	10/24/24 22:30		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

125	P3645-01	914-J-WS-081524	SAM	10/24/24 22:34		Kareem	OK
126	P3645-02	916-J-WS-081524	SAM	10/24/24 22:39		Kareem	OK
127	P3657-01	917-J-WS-081624	SAM	10/24/24 22:43		Kareem	OK
128	PB164372BL	PB164372BL	MB	10/24/24 22:47		Kareem	OK
129	PB164299TB	PB164299TB	MB	10/24/24 22:56		Kareem	OK
130	PB164299BL	PB164299BL	MB	10/24/24 23:00		Kareem	OK
131	PB164299BS	PB164299BS	LCS	10/24/24 23:05	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
132	CCV12	CCV12	CCV	10/24/24 23:09		Kareem	OK
133	CCB12	CCB12	CCB	10/24/24 23:13		Kareem	OK
134	PB164347BS	PB164347BS	LCS	10/24/24 23:17	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
135	P4470-01MS	CL-01-102124MS	MS	10/24/24 23:21	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
136	P4470-01MSD	CL-01-102124MSD	MSD	10/24/24 23:25	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
137	P4470-01A	CL-01-102124A	PS	10/24/24 23:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
138	PB164317BS	PB164317BS	LCS	10/24/24 23:33	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
139	PB164289BL	PB164289BL	MB	10/24/24 23:37		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

140	PB164289BS	PB164289BS	LCS	10/24/24 23:41	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
141	P3645-01DUP	914-J-WS-081524DUP	DUP	10/24/24 23:45		Kareem	OK
142	P3645-01L	914-J-WS-081524L	SD	10/24/24 23:50		Kareem	OK
143	P3645-01MS	914-J-WS-081524MS	MS	10/24/24 23:54	Si high	Kareem	Dilution
144	CCV13	CCV13	CCV	10/24/24 23:58		Kareem	OK
145	CCB13	CCB13	CCB	10/25/24 00:02		Kareem	OK
146	P3645-01MSD	914-J-WS-081524MSD	MSD	10/25/24 00:10	Si high	Kareem	Dilution
147	P3645-01A	914-J-WS-081524A	PS	10/25/24 00:14	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
148	P4485-02	D20241001-01-04	SAM	10/25/24 00:18		Kareem	OK
149	P4485-02DUP	D20241001-01-04DUP	DUP	10/25/24 00:22		Kareem	OK
150	P4485-02L	D20241001-01-04L	SD	10/25/24 00:26		Kareem	OK
151	P4485-02MS	D20241001-01-04MS	MS	10/25/24 00:31	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
152	P4485-02MSD	D20241001-01-04MSD	MSD	10/25/24 00:35	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
153	P4485-02A	D20241001-01-04A	PS	10/25/24 00:39	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
154	P4487-04	BP-B5	SAM	10/25/24 00:43		Kareem	OK
155	P4487-08	BP-B27	SAM	10/25/24 00:48		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

156	CCV14	CCV14	CCV	10/25/24 00:52		Kareem	OK
157	CCB14	CCB14	CCB	10/25/24 00:56		Kareem	OK
158	P4488-09DL	HCC-1DL	SAM	10/25/24 01:01	Straight 5x Dilution for all elements	Kareem	OK
159	P4488-10	HCC-2	SAM	10/25/24 01:06		Kareem	OK
160	P4508-04	TP-3	SAM	10/25/24 01:10		Kareem	OK
161	P4508-08	BP-F23	SAM	10/25/24 01:15		Kareem	OK
162	P4508-12	BP-F22	SAM	10/25/24 01:19		Kareem	OK
163	P4511-02	267	SAM	10/25/24 01:23		Kareem	OK
164	P4513-01	D3683	SAM	10/25/24 01:28		Kareem	OK
165	P4513-02	D3694	SAM	10/25/24 01:32		Kareem	OK
166	P4513-03	D3695	SAM	10/25/24 01:37		Kareem	OK
167	P4515-02	CHVB0783	SAM	10/25/24 01:41		Kareem	OK
168	CCV15	CCV15	CCV	10/25/24 01:45		Kareem	OK
169	CCB15	CCB15	CCB	10/25/24 01:50		Kareem	OK
170	PB164372BS	PB164372BS	LCS	10/25/24 01:54	200.7 Method	Kareem	OK
171	P4516-01	72-11986	SAM	10/25/24 01:58		Kareem	OK
172	P4517-02	NASSAU-ST-CO	SAM	10/25/24 02:03		Kareem	OK
173	P4517-04	S.JEFFERSON-CO-1	SAM	10/25/24 02:07		Kareem	OK
174	P4517-06	S.JEFFERSON-CO-2	SAM	10/25/24 02:11		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

175	P4517-08	FOREST-ST-CO	SAM	10/25/24 02:16		Kareem	OK
176	PB164335TB	PB164335TB	MB	10/25/24 02:20		Kareem	OK
177	PB164377BL	PB164377BL	MB	10/25/24 02:25		Kareem	OK
178	PB164377BS	PB164377BS	LCS	10/25/24 02:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
179	CCV16	CCV16	CCV	10/25/24 02:44		Kareem	OK
180	CCB16	CCB16	CCB	10/25/24 02:48		Kareem	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133129

Review By	jaswal	Review On	10/26/2024 8:05:20 AM
Supervise By	mohan	Supervise On	10/26/2024 8:09:30 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82910,MP82912,MP82913,MP82914,MP82915,MP82916		
ICV Standard	MP82917		
CCV Standard	MP82919		
ICSA Standard			
CRI Standard	MP82921		
LCS Standard			
Chk Standard	MP82918,MP82920,MP82922,MP82924		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/25/24 11:51		Mohan	OK
2	S0.2	S0.2	CAL2	10/25/24 11:53		Mohan	OK
3	S2.5	S2.5	CAL3	10/25/24 11:55		Mohan	OK
4	S5	S5	CAL4	10/25/24 11:58		Mohan	OK
5	S7.5	S7.5	CAL5	10/25/24 12:03		Mohan	OK
6	S10	S10	CAL6	10/25/24 12:07		Mohan	OK
7	ICV53	ICV53	ICV	10/25/24 12:21		Mohan	OK
8	ICB53	ICB53	ICB	10/25/24 12:23		Mohan	OK
9	CCV73	CCV73	CCV	10/25/24 12:25		Mohan	OK
10	CCB73	CCB73	CCB	10/25/24 12:30		Mohan	OK
11	CRA	CRA	CRDL	10/25/24 12:33		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/25/24 12:35		Mohan	OK
13	ChkStd	ChkStd	SAM	10/25/24 12:37		Mohan	OK
14	PB164407BL	PB164407BL	MB	10/25/24 12:42		Mohan	OK
15	PB164407BS	PB164407BS	LCS	10/25/24 12:44		Mohan	OK
16	P3390-07	LOD-MDL-WATER-01	SAM	10/25/24 12:49		Mohan	OK
17	P3390-08	LOQ-WATER-02-QT3	LOQ	10/25/24 12:51		Mohan	OK
18	P4460-06	WB-303-SW	SAM	10/25/24 12:54		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133129

Review By	jaswal	Review On	10/26/2024 8:05:20 AM
Supervise By	mohan	Supervise On	10/26/2024 8:09:30 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82910,MP82912,MP82913,MP82914,MP82915,MP82916		
ICV Standard	MP82917		
CCV Standard	MP82919		
ICSA Standard			
CRI Standard	MP82921		
LCS Standard			
Chk Standard	MP82918,MP82920,MP82922,MP82924		

19	P4485-03	D20241001-02-03	SAM	10/25/24 12:56		Mohan	OK
20	P4491-02	COMP	SAM	10/25/24 12:58		Mohan	OK
21	CCV74	CCV74	CCV	10/25/24 13:00		Mohan	OK
22	CCB74	CCB74	CCB	10/25/24 13:06		Mohan	OK
23	P4546-03	34839-40	SAM	10/25/24 13:14		Mohan	OK
24	P4546-03DUP	34839-40DUP	DUP	10/25/24 13:19		Mohan	OK
25	P4546-03MS	34839-40MS	MS	10/25/24 13:21		Mohan	OK
26	P4546-03MSD	34839-40MSD	MSD	10/25/24 13:23		Mohan	OK
27	P4546-03L	34839-40L	SD	10/25/24 13:25		Mohan	OK
28	P4546-03A	34839-40A	PS	10/25/24 13:28		Mohan	OK
29	CCV75	CCV75	CCV	10/25/24 13:30		Mohan	OK
30	CCB75	CCB75	CCB	10/25/24 13:32		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133257

Review By	mohan	Review On	11/6/2024 4:20:36 AM
Supervise By	jaswal	Supervise On	11/6/2024 4:20:58 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/01/24 15:06		Kareem	OK
2	S1	S1	CAL2	11/01/24 15:10		Kareem	OK
3	S2	S2	CAL3	11/01/24 15:14		Kareem	OK
4	S3	S3	CAL4	11/01/24 15:18		Kareem	OK
5	S4	S4	CAL5	11/01/24 15:23		Kareem	OK
6	S5	S5	CAL6	11/01/24 15:27		Kareem	OK
7	ICV01	ICV01	ICV	11/01/24 15:31		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/01/24 15:35		Kareem	OK
9	ICB01	ICB01	ICB	11/01/24 15:40		Kareem	OK
10	CRI01	CRI01	CRDL	11/01/24 15:44		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/01/24 15:48		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/01/24 15:58		Kareem	OK
13	CCV01	CCV01	CCV	11/01/24 16:03		Kareem	OK
14	CCB01	CCB01	CCB	11/01/24 16:07		Kareem	OK
15	P4615-01	B-131-1-SB01	SAM	11/01/24 16:12		Kareem	OK
16	P4611-03	TP-1	SAM	11/01/24 16:17		Kareem	OK
17	P4611-06	TP-2	SAM	11/01/24 16:21		Kareem	OK
18	P4611-09	TP-3	SAM	11/01/24 16:26		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133257

Review By	mohan	Review On	11/6/2024 4:20:36 AM
Supervise By	jaswal	Supervise On	11/6/2024 4:20:58 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

19	P4611-12	TP-4	SAM	11/01/24 16:30		Kareem	OK
20	P4611-15	TP-5	SAM	11/01/24 16:35		Kareem	OK
21	P4611-18	TP-6	SAM	11/01/24 16:39		Kareem	OK
22	P4639-01	EO-01-103024	SAM	11/01/24 16:43		Kareem	OK
23	P4639-03	EO-02-103024	SAM	11/01/24 16:48		Kareem	OK
24	P4612-04	MOO-24-00335	SAM	11/01/24 16:52		Kareem	OK
25	CCV02	CCV02	CCV	11/01/24 16:56		Kareem	OK
26	CCB02	CCB02	CCB	11/01/24 17:00		Kareem	OK
27	P4613-02	ARS20-0001	SAM	11/01/24 17:07		Kareem	OK
28	P4616-04	BP-F10	SAM	11/01/24 17:11		Kareem	OK
29	P4616-08	BP-F9-MOVED	SAM	11/01/24 17:16		Kareem	OK
30	P4617-04	CONCRETE-PILE	SAM	11/01/24 17:20	MS Fail For Many Parameter	Kareem	Not Ok
31	P4460-06DL	WB-303-SWDL	SAM	11/01/24 17:25	Not Use	Kareem	Not Ok
32	P4460-06DUPDL	WB-303-SWDUPDL	DUP	11/01/24 17:29	Not Use	Kareem	Not Ok
33	P4460-06LDL	WB-303-SWLDL	SD	11/01/24 17:34	Not Use	Kareem	Not Ok
34	P4460-06MSDL	WB-303-SWMSDL	MS	11/01/24 17:38	Not Use	Kareem	Not Ok
35	P4460-06MSDDL	WB-303-SWMSDDL	MSD	11/01/24 17:43	Not Use	Kareem	Not Ok
36	P4460-06ADL	WB-303-SWADL	PS	11/01/24 17:52	Not Use	Kareem	Not Ok
37	CCV03	CCV03	CCV	11/01/24 17:57		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133257

Review By	mohan	Review On	11/6/2024 4:20:36 AM
Supervise By	jaswal	Supervise On	11/6/2024 4:20:58 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

38	CCB03	CCB03	CCB	11/01/24 18:01		Kareem	OK
39	P4460-06DL2	WB-303-SWDL2	SAM	11/01/24 18:05	25X for Na	Kareem	Confirms
40	P4460-06DUPDL2	WB-303-SWDUPDL2	DUP	11/01/24 18:10	25X for Na	Kareem	Confirms
41	P4460-06LDL2	WB-303-SWLDL2	SD	11/01/24 18:14	25X for Na	Kareem	Confirms
42	P4460-06MSDL2	WB-303-SWMSDL2	MS	11/01/24 18:18	25X for Na	Kareem	Confirms
43	P4460-06MSDDL2	WB-303-SWMSDDL2	MSD	11/01/24 18:23	25X for Na	Kareem	Confirms
44	P4460-06ADL2	WB-303-SWADL2	PS	11/01/24 18:27	25X for Na	Kareem	Confirms
45	P4617-04DUP	CONCRETE-PILEDUP	DUP	11/01/24 18:32	MS Fail For Many Parameter	Kareem	Not Ok
46	P4617-04L	CONCRETE-PILEL	SD	11/01/24 18:36	MS Fail For Many Parameter	Kareem	Not Ok
47	P4617-04MS	CONCRETE-PILEMS	MS	11/01/24 18:40	MS Fail For Many Parameter	Kareem	Not Ok
48	P4617-04MSD	CONCRETE-PILEMS	MSD	11/01/24 18:45	MS Fail For Many Parameter	Kareem	Not Ok
49	CCV04	CCV04	CCV	11/01/24 18:55		Kareem	OK
50	CCB04	CCB04	CCB	11/01/24 18:59		Kareem	OK
51	P4617-04A	CONCRETE-PILEA	PS	11/01/24 19:05	MS Fail For Many Parameter	Kareem	Not Ok
52	LR1	LR1	HIGH STD	11/01/24 19:09		Kareem	OK
53	LR2	LR2	HIGH STD	11/01/24 19:14		Kareem	OK
54	CCV05	CCV05	CCV	11/01/24 19:18		Kareem	OK
55	CCB05	CCB05	CCB	11/01/24 19:22		Kareem	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

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

Start Digest Date: 10/21/2024 Time : 10:15 Temp : 95 °C

End Digest Date: 10/21/2024 Time : 12:25 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: *sgp*

Supervisor Signature: *[Signature]*

Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6000
LFS-2	1.00	M6009
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	MP81119
CONC: HNO3	5.00	M6093
30% H2O2	3.00	M5634
CONC: HCL	10.00	M6040
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: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 12:30	<i>sgp / Met dig</i>	<i>sg / Metals Lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4443-01	OG-315-HR-502-COMP-29	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	1
P4443-06	OG-315-HR-502-COMP-30	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	2
P4452-01	ETGI-285	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	3
P4455-01	SU-4-101824	N/A	2.27	100	Brown	Yellow	Medium	N/A	N/A	4
P4456-01	PAD-10182024	N/A	2.11	100	Brown	Yellow	Medium	N/A	N/A	5
P4458-01	280517	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	6
P4460-02	WB-303-TOP	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	7
P4460-03	WB-303-BOT	N/A	2.06	100	Brown	Yellow	Medium	N/A	N/A	8
P4460-03MS	WB-303-BOTMS	N/A	2.26	100	Brown	Yellow	Medium	N/A	M6000, M6009	10
P4460-03MSD	WB-303-BOTMSD	N/A	2.44	100	Brown	Yellow	Medium	N/A	M6000,M6009	11
P4460-03DUP	WB-303-BOTDUP	N/A	2.33	100	Brown	Yellow	Medium	N/A	N/A	9
PB164289BL	PBS289	N/A	2.28	100	Colorless	Colorless	Fine	N/A	N/A	12
PB164289BS	LCS289	N/A	2.28	100	Colorless	Colorless	Fine	N/A	M6000,M6009	13

SOP ID : M7471B-Mercury-18

SDG No : N/A

Matrix : SOIL

Pipette ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #3

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

Start Digest Date: 10/21/2024 Time : 16:20 Temp : 94 °C

End Digest Date: 10/21/2024 Time : 16:50 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 94°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82846
CCV	30mL	MP82848
CRA	30mL	MP82850
Blank Spike	0.48mL	MP82838
Matrix Spike	0.48mL	MP82838

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP828352
KMnO4 (5%)	4.5mL	MP82652
Hydroxylamine HCL (12%)	2.0mL	MP82654
PTFE Boiling Stones	-----	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP82839
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82841
2.5 ppb	S2.5	30mL	MP82842
5.0 ppb	S5.0	30mL	MP82843
7.5 ppb	S7.5	30mL	MP82844
10.0 ppb	S10.0	30mL	MP82845
ICV	ICV	30mL	MP82846
ICB	ICB	30mL	MP82847
CCV	CCV	30mL	MP82848
CCB	CCB	30mL	MP82849
CRI	CRI	30mL	MP82850
CHK STD	CHK STD	30mL	MP82851

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 @ 17:44	MB - N/A, CAS	MB - Metal Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
P3390-01	LOD-MDL-SOIL-01-QT3-2024	0.50	35	NA	N/A	3-1
P3390-02	LOQ-SOIL-02-QT3-2024	0.50	35	NA	N/A	2
P4443-01	OG-315-HR-502-COMP-29	0.58	35	NA	N/A	3
P4443-01DUP	OG-315-HR-502-COMP-29DUP	0.56	35	NA	N/A	4
P4443-01MS	OG-315-HR-502-COMP-29MS	0.57	35	NA	MP82828	5
P4443-01MSD	OG-315-HR-502-COMP-29MSD	0.55	35	NA	MP82828	6
P4443-06	OG-315-HR-502-COMP-30	0.54	35	NA	N/A	7
P4452-01	ETGI-285	0.60	35	NA	N/A	8
P4455-01	SU-4-101824	0.52	35	NA	N/A	9
P4458-01	280517	0.51	35	NA	N/A	10
P4460-02	WB-303-TOP	0.50	35	NA	N/A	11
P4460-03	WB-303-BOT	0.55	35	NA	N/A	12
P4467-01	TP-1	0.56	35	NA	N/A	13
P4468-01	ETGI-331	0.50	35	NA	N/A	14
P4468-03	ETGI-329	0.60	35	NA	N/A	15
P4468-05	ETGI-345	0.58	35	NA	N/A	16
P4470-01	CL-01-102124	0.51	35	NA	N/A	17
P4471-01	B-180-SB01	0.58	35	NA	N/A	18
P4471-02	B-180-SB02	0.52	35	NA	N/A	19
P4472-01	BP-F-28	0.60	35	NA	N/A	20
P4472-05	BP-F-6	0.60	35	NA	N/A	21
PB164322BL	PBS322	0.57	35	NA	N/A	22
PB164322BS	LCS322	0.52	35	NA	MP82828	23

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 10/23/2024 Time : 10:00 Temp : 95 °C

End Digest Date: 10/23/2024 Time : 13:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *JRP*

Supervisor Signature: *JS*

Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	M6009
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	M6090
1:1 HCL	5.00	MP82127
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

Hot Block # 1 Cell # 50 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24 13:26	<i>JRP / Met dig</i>	<i>JS (metals lab)</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P4423-02	COMP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	13
P4460-06	WB-303-SW	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	14
P4460-06MS	WB-303-SWMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	16
P4460-06MSD	WB-303-SWMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	17
P4460-06DUP	WB-303-SWDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	15
P4485-03	D20241001-02-03	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	18
PB164347BL	PBW347	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	19
PB164347BS	LCS347	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	20

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M4909

Hood ID : #1

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

Start Digest Date: 10/24/2024 Time : 15:05 Temp : 95 °C

End Digest Date: 10/24/2024 Time : 17:05 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *MB*

Supervisor Signature: *12*

Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82917
CCV	30mL	MP82919
CRA	30mL	MP82921
Blank Spike	0.48mL	MP82909
Matrix Spike	0.48mL	MP82909

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP82651
KMnO4 (5%)	4.5mL	MP82652
K2S2O8 (5%)	2.5mL	MP82653
Hydroxylamine HCL (12%)	2.0mL	MP82654
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	MP82910
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82912
2.5 ppb	S2.5	30mL	MP82913
5.0 ppb	S5.0	30mL	MP82914
7.5 ppb	S7.5	30mL	MP82915
10.0 ppb	S10.0	30mL	MP82916
ICV	ICV	30mL	MP82917
ICB	ICB	30mL	MP82918
CCV	CCV	30mL	MP82919
CCB	CCB	30mL	MP82920
CRI	CRI	30mL	MP82921
CHK STD	CHK STD	30mL	MP82922

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/24/24 at 17:40	<i>MB - 1117. 125</i>	<i>MB - 1117. 125</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
P3390-07	LOD-MDL-WATER-01-QT3-2024	30	30	<2	N/A	3-1
P3390-08	LOQ-WATER-02-QT3-2024	30	30	<2	N/A	2
P4460-06	WB-303-SW	30	30	<2	N/A	3
P4485-03	D20241001-02-03	30	30	<2	N/A	4
P4491-02	COMP	30	30	<2	N/A	5
P4546-03	34839-40	30	30	<2	N/A	6
P4546-03DUP	34839-40DUP	30	30	<2	N/A	7
P4546-03MS	34839-40MS	30	30	<2	MP82909	8
P4546-03MSD	34839-40MSD	30	30	<2	MP82909	9
PB164407BL	PBW407	30	30	<2	N/A	10
PB164407BS	LCS407	30	30	<2	MP82909	11