

LAB CHRONICLE

OrderID:	Q2815	OrderDate:	8/11/2025 10:33:09 AM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2815-01	TW-705R-S	Water			08/06/25			08/08/25
			Mercury	7470A		08/12/25	08/12/25	
			Metals ICP-TAL	6010D		08/13/25	08/14/25	
Q2815-11	TW-22M-W	Water			08/08/25			08/08/25
			Mercury	7470A		08/12/25	08/12/25	
			Metals ICP-TAL	6010D		08/13/25	08/14/25	
Q2815-20	TW-11M-W	Water			08/08/25			08/08/25
			Mercury	7470A		08/12/25	08/12/25	
			Metals ICP-TAL	6010D		08/13/25	08/14/25	
Q2815-25	TW-11M-W	Water			08/08/25			08/08/25
			Dissolved ICP-TAL Metals	6010D		08/13/25	08/20/25	
			Dissolved Mercury	7470A		08/14/25	08/15/25	
Q2815-26	FB	Water			08/08/25			08/08/25
			Mercury	7470A		08/12/25	08/12/25	
			Metals ICP-TAL	6010D		08/13/25	08/14/25	

Hit Summary Sheet SW-846

SDG No.: Q2815 **Order ID:** Q2815
Client: First Environment, Inc. **Project ID:** USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TW-705R-S									
Q2815-01	TW-705R-S	Water	Aluminum	53700		5.67	40.0	50.0	ug/L
Q2815-01	TW-705R-S	Water	Arsenic	28.3		2.56	7.50	10.0	ug/L
Q2815-01	TW-705R-S	Water	Barium	100		7.28	12.5	50.0	ug/L
Q2815-01	TW-705R-S	Water	Beryllium	2.17	J	0.28	0.75	3.00	ug/L
Q2815-01	TW-705R-S	Water	Cadmium	2.53	J	0.25	0.75	3.00	ug/L
Q2815-01	TW-705R-S	Water	Calcium	28600		117	250	1000	ug/L
Q2815-01	TW-705R-S	Water	Chromium	89.7		1.06	2.50	5.00	ug/L
Q2815-01	TW-705R-S	Water	Cobalt	18.3		1.13	3.75	15.0	ug/L
Q2815-01	TW-705R-S	Water	Copper	72.7		2.30	8.00	10.0	ug/L
Q2815-01	TW-705R-S	Water	Iron	58500		11.7	40.0	50.0	ug/L
Q2815-01	TW-705R-S	Water	Lead	177		1.15	4.80	6.00	ug/L
Q2815-01	TW-705R-S	Water	Magnesium	27900		122	250	1000	ug/L
Q2815-01	TW-705R-S	Water	Manganese	255		2.97	7.50	10.0	ug/L
Q2815-01	TW-705R-S	Water	Mercury	0.36		0.076	0.16	0.20	ug/L
Q2815-01	TW-705R-S	Water	Nickel	44.2		1.53	5.00	20.0	ug/L
Q2815-01	TW-705R-S	Water	Potassium	33900		459	800	1000	ug/L
Q2815-01	TW-705R-S	Water	Silver	3.99	J	0.81	2.50	5.00	ug/L
Q2815-01	TW-705R-S	Water	Sodium	352000		434	500	1000	ug/L
Q2815-01	TW-705R-S	Water	Vanadium	115		3.13	10.0	20.0	ug/L
Q2815-01	TW-705R-S	Water	Zinc	337		8.33	7.50	20.0	ug/L
Client ID : TW-22M-W									
Q2815-11	TW-22M-W	Water	Aluminum	28200		5.67	40.0	50.0	ug/L
Q2815-11	TW-22M-W	Water	Arsenic	37.4		2.56	7.50	10.0	ug/L
Q2815-11	TW-22M-W	Water	Barium	113		7.28	12.5	50.0	ug/L
Q2815-11	TW-22M-W	Water	Beryllium	3.10		0.28	0.75	3.00	ug/L
Q2815-11	TW-22M-W	Water	Cadmium	1.31	J	0.25	0.75	3.00	ug/L
Q2815-11	TW-22M-W	Water	Calcium	19300		117	250	1000	ug/L
Q2815-11	TW-22M-W	Water	Chromium	54.8		1.06	2.50	5.00	ug/L
Q2815-11	TW-22M-W	Water	Cobalt	7.37	J	1.13	3.75	15.0	ug/L
Q2815-11	TW-22M-W	Water	Copper	119		2.30	8.00	10.0	ug/L
Q2815-11	TW-22M-W	Water	Iron	31100		11.7	40.0	50.0	ug/L
Q2815-11	TW-22M-W	Water	Lead	99.6		1.15	4.80	6.00	ug/L
Q2815-11	TW-22M-W	Water	Magnesium	13600		122	250	1000	ug/L
Q2815-11	TW-22M-W	Water	Manganese	248		2.97	7.50	10.0	ug/L
Q2815-11	TW-22M-W	Water	Nickel	22.4		1.53	5.00	20.0	ug/L
Q2815-11	TW-22M-W	Water	Potassium	12200		459	800	1000	ug/L
Q2815-11	TW-22M-W	Water	Silver	2.00	J	0.81	2.50	5.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q2815

Order ID: Q2815

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2815-11	TW-22M-W	Water	Sodium	58900		434	500	1000	ug/L
Q2815-11	TW-22M-W	Water	Vanadium	60.4		3.13	10.0	20.0	ug/L
Q2815-11	TW-22M-W	Water	Zinc	329		8.33	7.50	20.0	ug/L

Client ID : TW-11M-W

Q2815-20	TW-11M-W	Water	Aluminum	12500		5.67	40.0	50.0	ug/L
Q2815-20	TW-11M-W	Water	Arsenic	11.0		2.56	7.50	10.0	ug/L
Q2815-20	TW-11M-W	Water	Barium	54.0		7.28	12.5	50.0	ug/L
Q2815-20	TW-11M-W	Water	Beryllium	2.70	J	0.28	0.75	3.00	ug/L
Q2815-20	TW-11M-W	Water	Cadmium	1.26	J	0.25	0.75	3.00	ug/L
Q2815-20	TW-11M-W	Water	Calcium	38100		117	250	1000	ug/L
Q2815-20	TW-11M-W	Water	Chromium	40.0		1.06	2.50	5.00	ug/L
Q2815-20	TW-11M-W	Water	Cobalt	4.19	J	1.13	3.75	15.0	ug/L
Q2815-20	TW-11M-W	Water	Copper	27.0		2.30	8.00	10.0	ug/L
Q2815-20	TW-11M-W	Water	Iron	14500		11.7	40.0	50.0	ug/L
Q2815-20	TW-11M-W	Water	Lead	41.7		1.15	4.80	6.00	ug/L
Q2815-20	TW-11M-W	Water	Magnesium	5930		122	250	1000	ug/L
Q2815-20	TW-11M-W	Water	Manganese	134		2.97	7.50	10.0	ug/L
Q2815-20	TW-11M-W	Water	Mercury	0.15	J	0.076	0.16	0.20	ug/L
Q2815-20	TW-11M-W	Water	Nickel	16.8	J	1.53	5.00	20.0	ug/L
Q2815-20	TW-11M-W	Water	Potassium	5500		459	800	1000	ug/L
Q2815-20	TW-11M-W	Water	Silver	1.21	J	0.81	2.50	5.00	ug/L
Q2815-20	TW-11M-W	Water	Sodium	14600		434	500	1000	ug/L
Q2815-20	TW-11M-W	Water	Vanadium	31.9		3.13	10.0	20.0	ug/L
Q2815-20	TW-11M-W	Water	Zinc	170		8.33	7.50	20.0	ug/L

Client ID : TW-11M-W

Q2815-25	TW-11M-W	Water	Aluminum	63.1		5.67	40.0	50.0	ug/L
Q2815-25	TW-11M-W	Water	Arsenic	2.94	J	2.56	7.50	10.0	ug/L
Q2815-25	TW-11M-W	Water	Barium	10.5	J	7.28	12.5	50.0	ug/L
Q2815-25	TW-11M-W	Water	Calcium	33300		117	250	1000	ug/L
Q2815-25	TW-11M-W	Water	Copper	6.95	J	2.30	8.00	10.0	ug/L
Q2815-25	TW-11M-W	Water	Iron	15.0	J	11.7	40.0	50.0	ug/L
Q2815-25	TW-11M-W	Water	Magnesium	4120		122	250	1000	ug/L
Q2815-25	TW-11M-W	Water	Manganese	44.9		2.97	7.50	10.0	ug/L
Q2815-25	TW-11M-W	Water	Mercury	0.18	J	0.076	0.16	0.20	ug/L
Q2815-25	TW-11M-W	Water	Potassium	3480		459	800	1000	ug/L
Q2815-25	TW-11M-W	Water	Sodium	12700		434	500	1000	ug/L
Q2815-25	TW-11M-W	Water	Vanadium	7.88	J	3.13	10.0	20.0	ug/L
Q2815-25	TW-11M-W	Water	Zinc	18.3	J	8.33	7.50	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-705R-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	53700		1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-36-0	Antimony	6.25	UN	1	3.38	6.25	25.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-38-2	Arsenic	28.3		1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-39-3	Barium	100	N	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-41-7	Beryllium	2.17	JN	1	0.28	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-43-9	Cadmium	2.53	J	1	0.25	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-70-2	Calcium	28600		1	117	250	1000	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-47-3	Chromium	89.7		1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-48-4	Cobalt	18.3		1	1.13	3.75	15.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-50-8	Copper	72.7		1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7439-89-6	Iron	58500		1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7439-92-1	Lead	177		1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7439-95-4	Magnesium	27900		1	122	250	1000	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7439-96-5	Manganese	255		1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7439-97-6	Mercury	0.36		1	0.076	0.16	0.20	ug/L	08/12/25 11:30	08/12/25 15:03	7470A	
7440-02-0	Nickel	44.2		1	1.53	5.00	20.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-09-7	Potassium	33900		1	459	800	1000	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-22-4	Silver	3.99	J	1	0.81	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-23-5	Sodium	352000		1	434	500	1000	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-62-2	Vanadium	115		1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010
7440-66-6	Zinc	337	N	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/14/25 15:27	6010D	SW3010

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

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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-11	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	28200		1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-36-0	Antimony	6.25	UN	1	3.38	6.25	25.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-38-2	Arsenic	37.4		1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-39-3	Barium	113	N	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-41-7	Beryllium	3.10	N	1	0.28	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-43-9	Cadmium	1.31	J	1	0.25	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-70-2	Calcium	19300		1	117	250	1000	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-47-3	Chromium	54.8		1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-48-4	Cobalt	7.37	J	1	1.13	3.75	15.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-50-8	Copper	119		1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7439-89-6	Iron	31100		1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7439-92-1	Lead	99.6		1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7439-95-4	Magnesium	13600		1	122	250	1000	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7439-96-5	Manganese	248		1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/12/25 11:30	08/12/25 15:06	7470A	
7440-02-0	Nickel	22.4		1	1.53	5.00	20.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-09-7	Potassium	12200		1	459	800	1000	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-22-4	Silver	2.00	J	1	0.81	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-23-5	Sodium	58900		1	434	500	1000	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-62-2	Vanadium	60.4		1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010
7440-66-6	Zinc	329	N	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/14/25 16:06	6010D	SW3010

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

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-20	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	12500		1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-36-0	Antimony	6.25	UN	1	3.38	6.25	25.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-38-2	Arsenic	11.0		1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-39-3	Barium	54.0	N	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-41-7	Beryllium	2.70	JN	1	0.28	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-43-9	Cadmium	1.26	J	1	0.25	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-70-2	Calcium	38100		1	117	250	1000	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-47-3	Chromium	40.0		1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-48-4	Cobalt	4.19	J	1	1.13	3.75	15.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-50-8	Copper	27.0		1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7439-89-6	Iron	14500		1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7439-92-1	Lead	41.7		1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7439-95-4	Magnesium	5930		1	122	250	1000	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7439-96-5	Manganese	134		1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7439-97-6	Mercury	0.15	J	1	0.076	0.16	0.20	ug/L	08/12/25 11:30	08/12/25 15:08	7470A	
7440-02-0	Nickel	16.8	J	1	1.53	5.00	20.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-09-7	Potassium	5500		1	459	800	1000	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-22-4	Silver	1.21	J	1	0.81	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-23-5	Sodium	14600		1	434	500	1000	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-62-2	Vanadium	31.9		1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010
7440-66-6	Zinc	170	N	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/14/25 16:10	6010D	SW3010

Color Before: Colorless

Clarity Before: Clear

Texture:

Color After: Colorless

Clarity After: Clear

Artifacts:

Comments: METALS-TAL

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-25	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	63.1		1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-36-0	Antimony	6.25	UN	1	3.38	6.25	25.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-38-2	Arsenic	2.94	J	1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-39-3	Barium	10.5	JN	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-41-7	Beryllium	0.75	UN	1	0.28	0.75	3.00	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-70-2	Calcium	33300		1	117	250	1000	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-47-3	Chromium	2.50	U	1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-48-4	Cobalt	3.75	U	1	1.13	3.75	15.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-50-8	Copper	6.95	J	1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7439-89-6	Iron	15.0	J	1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7439-92-1	Lead	4.80	U	1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7439-95-4	Magnesium	4120		1	122	250	1000	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7439-96-5	Manganese	44.9		1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7439-97-6	Mercury	0.18	J	1	0.076	0.16	0.20	ug/L	08/14/25 10:30	08/15/25 12:32	7470A	
7440-02-0	Nickel	5.00	U	1	1.53	5.00	20.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-09-7	Potassium	3480		1	459	800	1000	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-22-4	Silver	2.50	U	1	0.81	2.50	5.00	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-23-5	Sodium	12700		1	434	500	1000	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-62-2	Vanadium	7.88	J	1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010
7440-66-6	Zinc	18.3	JN	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/20/25 17:00	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	DISSOLVED 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:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2815
Lab Sample ID:	Q2815-26	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	40.0	U	1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-36-0	Antimony	6.25	UN	1	3.38	6.25	25.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-38-2	Arsenic	7.50	U	1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-39-3	Barium	12.5	UN	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-41-7	Beryllium	0.75	UN	1	0.28	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-70-2	Calcium	250	U	1	117	250	1000	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-47-3	Chromium	2.50	U	1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-48-4	Cobalt	3.75	U	1	1.13	3.75	15.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-50-8	Copper	8.00	U	1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7439-89-6	Iron	40.0	U	1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7439-92-1	Lead	4.80	U	1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7439-95-4	Magnesium	250	U	1	122	250	1000	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7439-96-5	Manganese	7.50	U	1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/12/25 11:30	08/12/25 15:10	7470A	
7440-02-0	Nickel	5.00	U	1	1.53	5.00	20.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-09-7	Potassium	800	U	1	459	800	1000	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-22-4	Silver	2.50	U	1	0.81	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-23-5	Sodium	500	U	1	434	500	1000	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-62-2	Vanadium	10.0	U	1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010
7440-66-6	Zinc	7.50	UN	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/14/25 16:18	6010D	SW3010

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

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

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV10	Mercury	4.14	4.0	104	90 - 110	CV	08/12/2025	14:21	LB136788

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV29	Mercury	4.93	5.0	99	90 - 110	CV	08/12/2025	14:26	LB136788
CCV30	Mercury	4.98	5.0	100	90 - 110	CV	08/12/2025	14:56	LB136788
CCV31	Mercury	4.91	5.0	98	90 - 110	CV	08/12/2025	15:24	LB136788
CCV32	Mercury	4.78	5.0	96	90 - 110	CV	08/12/2025	15:35	LB136788

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV18	Mercury	4.08	4.0	102	90 - 110	CV	08/15/2025	11:40	LB136836

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV54	Mercury	5.24	5.0	105	90 - 110	CV	08/15/2025	12:11	LB136836
CCV55	Mercury	4.83	5.0	96	90 - 110	CV	08/15/2025	12:38	LB136836
CCV56	Mercury	5.09	5.0	102	90 - 110	CV	08/15/2025	13:09	LB136836
CCV57	Mercury	5.18	5.0	104	90 - 110	CV	08/15/2025	13:15	LB136836

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	8030	8000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Antimony	4100	4000	102	90 - 110	P	08/14/2025	12:05	LB136837
	Arsenic	3980	4000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Barium	8040	8000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Beryllium	202	200	101	90 - 110	P	08/14/2025	12:05	LB136837
	Cadmium	1980	2000	99	90 - 110	P	08/14/2025	12:05	LB136837
	Calcium	20100	20000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Chromium	820	800	102	90 - 110	P	08/14/2025	12:05	LB136837
	Cobalt	2010	2000	101	90 - 110	P	08/14/2025	12:05	LB136837
	Copper	1030	1000	102	90 - 110	P	08/14/2025	12:05	LB136837
	Iron	4050	4000	101	90 - 110	P	08/14/2025	12:05	LB136837
	Lead	3890	4000	97	90 - 110	P	08/14/2025	12:05	LB136837
	Magnesium	20100	20000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Manganese	2020	2000	101	90 - 110	P	08/14/2025	12:05	LB136837
	Nickel	2010	2000	100	90 - 110	P	08/14/2025	12:05	LB136837
	Potassium	19800	20000	99	90 - 110	P	08/14/2025	12:05	LB136837
	Selenium	3970	4000	99	90 - 110	P	08/14/2025	12:05	LB136837
	Silver	1070	1000	107	90 - 110	P	08/14/2025	12:05	LB136837
	Sodium	19700	20000	98	90 - 110	P	08/14/2025	12:05	LB136837
	Thallium	3830	4000	96	90 - 110	P	08/14/2025	12:05	LB136837
	Vanadium	2020	2000	101	90 - 110	P	08/14/2025	12:05	LB136837
	Zinc	2000	2000	100	90 - 110	P	08/14/2025	12:05	LB136837

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	90.2	100	90	80 - 120	P	08/14/2025	12:09	LB136837
	Antimony	53.2	50.0	106	80 - 120	P	08/14/2025	12:09	LB136837
	Arsenic	21.4	20.0	107	80 - 120	P	08/14/2025	12:09	LB136837
	Barium	97.9	100	98	80 - 120	P	08/14/2025	12:09	LB136837
	Beryllium	6.22	6.0	104	80 - 120	P	08/14/2025	12:09	LB136837
	Cadmium	5.85	6.0	97	80 - 120	P	08/14/2025	12:09	LB136837
	Calcium	2090	2000	105	80 - 120	P	08/14/2025	12:09	LB136837
	Chromium	10.7	10.0	107	80 - 120	P	08/14/2025	12:09	LB136837
	Cobalt	29.9	30.0	100	80 - 120	P	08/14/2025	12:09	LB136837
	Copper	21.6	20.0	108	80 - 120	P	08/14/2025	12:09	LB136837
	Iron	112	100	112	80 - 120	P	08/14/2025	12:09	LB136837
	Lead	12.2	12.0	101	80 - 120	P	08/14/2025	12:09	LB136837
	Magnesium	2200	2000	110	80 - 120	P	08/14/2025	12:09	LB136837
	Manganese	21.6	20.0	108	80 - 120	P	08/14/2025	12:09	LB136837
	Nickel	40.2	40.0	100	80 - 120	P	08/14/2025	12:09	LB136837
	Potassium	2030	2000	101	80 - 120	P	08/14/2025	12:09	LB136837
	Selenium	19.6	20.0	98	80 - 120	P	08/14/2025	12:09	LB136837
	Silver	10.5	10.0	105	80 - 120	P	08/14/2025	12:09	LB136837
	Sodium	1920	2000	96	80 - 120	P	08/14/2025	12:09	LB136837
	Thallium	41.7	40.0	104	80 - 120	P	08/14/2025	12:09	LB136837
	Vanadium	39.4	40.0	99	80 - 120	P	08/14/2025	12:09	LB136837
	Zinc	42.9	40.0	107	80 - 120	P	08/14/2025	12:09	LB136837

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	08/14/2025	12:50	LB136837
	Antimony	5100	5000	102	90 - 110	P	08/14/2025	12:50	LB136837
	Arsenic	5070	5000	102	90 - 110	P	08/14/2025	12:50	LB136837
	Barium	9910	10000	99	90 - 110	P	08/14/2025	12:50	LB136837
	Beryllium	250	250	100	90 - 110	P	08/14/2025	12:50	LB136837
	Cadmium	2490	2500	100	90 - 110	P	08/14/2025	12:50	LB136837
	Calcium	25000	25000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Chromium	1020	1000	102	90 - 110	P	08/14/2025	12:50	LB136837
	Cobalt	2490	2500	100	90 - 110	P	08/14/2025	12:50	LB136837
	Copper	1270	1250	101	90 - 110	P	08/14/2025	12:50	LB136837
	Iron	5010	5000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Lead	4960	5000	99	90 - 110	P	08/14/2025	12:50	LB136837
	Magnesium	24900	25000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Manganese	2470	2500	99	90 - 110	P	08/14/2025	12:50	LB136837
	Nickel	2490	2500	100	90 - 110	P	08/14/2025	12:50	LB136837
	Potassium	25100	25000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Selenium	5140	5000	103	90 - 110	P	08/14/2025	12:50	LB136837
	Silver	1270	1250	102	90 - 110	P	08/14/2025	12:50	LB136837
	Sodium	24900	25000	100	90 - 110	P	08/14/2025	12:50	LB136837
	Thallium	5280	5000	106	90 - 110	P	08/14/2025	12:50	LB136837
	Vanadium	2510	2500	101	90 - 110	P	08/14/2025	12:50	LB136837
	Zinc	2550	2500	102	90 - 110	P	08/14/2025	12:50	LB136837
CCV02	Aluminum	9980	10000	100	90 - 110	P	08/14/2025	13:42	LB136837
	Antimony	5140	5000	103	90 - 110	P	08/14/2025	13:42	LB136837
	Arsenic	5090	5000	102	90 - 110	P	08/14/2025	13:42	LB136837
	Barium	9920	10000	99	90 - 110	P	08/14/2025	13:42	LB136837
	Beryllium	233	250	93	90 - 110	P	08/14/2025	13:42	LB136837
	Cadmium	2460	2500	98	90 - 110	P	08/14/2025	13:42	LB136837
	Calcium	24600	25000	99	90 - 110	P	08/14/2025	13:42	LB136837
	Chromium	1020	1000	102	90 - 110	P	08/14/2025	13:42	LB136837
	Cobalt	2480	2500	99	90 - 110	P	08/14/2025	13:42	LB136837
	Copper	1260	1250	101	90 - 110	P	08/14/2025	13:42	LB136837
	Iron	5260	5000	105	90 - 110	P	08/14/2025	13:42	LB136837
	Lead	4890	5000	98	90 - 110	P	08/14/2025	13:42	LB136837

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24400	25000	98	90 - 110	P	08/14/2025	13:42	LB136837
	Manganese	2430	2500	97	90 - 110	P	08/14/2025	13:42	LB136837
	Nickel	2480	2500	99	90 - 110	P	08/14/2025	13:42	LB136837
	Potassium	26700	25000	107	90 - 110	P	08/14/2025	13:42	LB136837
	Selenium	5140	5000	103	90 - 110	P	08/14/2025	13:42	LB136837
	Silver	1260	1250	101	90 - 110	P	08/14/2025	13:42	LB136837
	Sodium	25000	25000	100	90 - 110	P	08/14/2025	13:42	LB136837
	Thallium	5040	5000	101	90 - 110	P	08/14/2025	13:42	LB136837
	Vanadium	2500	2500	100	90 - 110	P	08/14/2025	13:42	LB136837
	Zinc	2580	2500	103	90 - 110	P	08/14/2025	13:42	LB136837
CCV03	Aluminum	9770	10000	98	90 - 110	P	08/14/2025	14:41	LB136837
	Antimony	5050	5000	101	90 - 110	P	08/14/2025	14:41	LB136837
	Arsenic	4980	5000	100	90 - 110	P	08/14/2025	14:41	LB136837
	Barium	9880	10000	99	90 - 110	P	08/14/2025	14:41	LB136837
	Beryllium	237	250	95	90 - 110	P	08/14/2025	14:41	LB136837
	Cadmium	2400	2500	96	90 - 110	P	08/14/2025	14:41	LB136837
	Calcium	24200	25000	97	90 - 110	P	08/14/2025	14:41	LB136837
	Chromium	984	1000	98	90 - 110	P	08/14/2025	14:41	LB136837
	Cobalt	2410	2500	96	90 - 110	P	08/14/2025	14:41	LB136837
	Copper	1240	1250	99	90 - 110	P	08/14/2025	14:41	LB136837
	Iron	5010	5000	100	90 - 110	P	08/14/2025	14:41	LB136837
	Lead	4790	5000	96	90 - 110	P	08/14/2025	14:41	LB136837
	Magnesium	24000	25000	96	90 - 110	P	08/14/2025	14:41	LB136837
	Manganese	2410	2500	96	90 - 110	P	08/14/2025	14:41	LB136837
	Nickel	2420	2500	97	90 - 110	P	08/14/2025	14:41	LB136837
	Potassium	25400	25000	102	90 - 110	P	08/14/2025	14:41	LB136837
	Selenium	5000	5000	100	90 - 110	P	08/14/2025	14:41	LB136837
	Silver	1240	1250	99	90 - 110	P	08/14/2025	14:41	LB136837
	Sodium	24300	25000	97	90 - 110	P	08/14/2025	14:41	LB136837
	Thallium	4710	5000	94	90 - 110	P	08/14/2025	14:41	LB136837
	Vanadium	2460	2500	98	90 - 110	P	08/14/2025	14:41	LB136837
	Zinc	2520	2500	101	90 - 110	P	08/14/2025	14:41	LB136837
CCV04	Aluminum	9870	10000	99	90 - 110	P	08/14/2025	15:58	LB136837
	Antimony	5180	5000	104	90 - 110	P	08/14/2025	15:58	LB136837

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

Contract: FIRS02

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2815

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5090	5000	102	90 - 110	P	08/14/2025	15:58	LB136837
	Barium	9790	10000	98	90 - 110	P	08/14/2025	15:58	LB136837
	Beryllium	232	250	93	90 - 110	P	08/14/2025	15:58	LB136837
	Cadmium	2410	2500	96	90 - 110	P	08/14/2025	15:58	LB136837
	Calcium	24200	25000	97	90 - 110	P	08/14/2025	15:58	LB136837
	Chromium	1000	1000	100	90 - 110	P	08/14/2025	15:58	LB136837
	Cobalt	2430	2500	97	90 - 110	P	08/14/2025	15:58	LB136837
	Copper	1260	1250	100	90 - 110	P	08/14/2025	15:58	LB136837
	Iron	5210	5000	104	90 - 110	P	08/14/2025	15:58	LB136837
	Lead	4810	5000	96	90 - 110	P	08/14/2025	15:58	LB136837
	Magnesium	24000	25000	96	90 - 110	P	08/14/2025	15:58	LB136837
	Manganese	2410	2500	96	90 - 110	P	08/14/2025	15:58	LB136837
	Nickel	2440	2500	98	90 - 110	P	08/14/2025	15:58	LB136837
	Potassium	26500	25000	106	90 - 110	P	08/14/2025	15:58	LB136837
	Selenium	5210	5000	104	90 - 110	P	08/14/2025	15:58	LB136837
	Silver	1260	1250	101	90 - 110	P	08/14/2025	15:58	LB136837
	Sodium	25100	25000	100	90 - 110	P	08/14/2025	15:58	LB136837
	Thallium	5210	5000	104	90 - 110	P	08/14/2025	15:58	LB136837
	Vanadium	2470	2500	99	90 - 110	P	08/14/2025	15:58	LB136837
	Zinc	2580	2500	103	90 - 110	P	08/14/2025	15:58	LB136837
CCV05	Aluminum	9710	10000	97	90 - 110	P	08/14/2025	16:50	LB136837
	Antimony	5230	5000	105	90 - 110	P	08/14/2025	16:50	LB136837
	Arsenic	5110	5000	102	90 - 110	P	08/14/2025	16:50	LB136837
	Barium	9710	10000	97	90 - 110	P	08/14/2025	16:50	LB136837
	Beryllium	228	250	91	90 - 110	P	08/14/2025	16:50	LB136837
	Cadmium	2390	2500	96	90 - 110	P	08/14/2025	16:50	LB136837
	Calcium	23800	25000	95	90 - 110	P	08/14/2025	16:50	LB136837
	Chromium	985	1000	98	90 - 110	P	08/14/2025	16:50	LB136837
	Cobalt	2410	2500	96	90 - 110	P	08/14/2025	16:50	LB136837
	Copper	1260	1250	100	90 - 110	P	08/14/2025	16:50	LB136837
	Iron	5160	5000	103	90 - 110	P	08/14/2025	16:50	LB136837
	Lead	4770	5000	96	90 - 110	P	08/14/2025	16:50	LB136837
	Magnesium	23500	25000	94	90 - 110	P	08/14/2025	16:50	LB136837
	Manganese	2360	2500	94	90 - 110	P	08/14/2025	16:50	LB136837

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2430	2500	97	90 - 110	P	08/14/2025	16:50	LB136837
	Potassium	26500	25000	106	90 - 110	P	08/14/2025	16:50	LB136837
	Selenium	5230	5000	104	90 - 110	P	08/14/2025	16:50	LB136837
	Silver	1250	1250	100	90 - 110	P	08/14/2025	16:50	LB136837
	Sodium	23300	25000	93	90 - 110	P	08/14/2025	16:50	LB136837
	Thallium	4710	5000	94	90 - 110	P	08/14/2025	16:50	LB136837
	Vanadium	2450	2500	98	90 - 110	P	08/14/2025	16:50	LB136837
	Zinc	2590	2500	104	90 - 110	P	08/14/2025	16:50	LB136837
CCV06	Aluminum	9730	10000	97	90 - 110	P	08/14/2025	17:54	LB136837
	Antimony	5260	5000	105	90 - 110	P	08/14/2025	17:54	LB136837
	Arsenic	5150	5000	103	90 - 110	P	08/14/2025	17:54	LB136837
	Barium	9970	10000	100	90 - 110	P	08/14/2025	17:54	LB136837
	Beryllium	243	250	97	90 - 110	P	08/14/2025	17:54	LB136837
	Cadmium	2380	2500	95	90 - 110	P	08/14/2025	17:54	LB136837
	Calcium	24000	25000	96	90 - 110	P	08/14/2025	17:54	LB136837
	Chromium	984	1000	98	90 - 110	P	08/14/2025	17:54	LB136837
	Cobalt	2410	2500	96	90 - 110	P	08/14/2025	17:54	LB136837
	Copper	1260	1250	100	90 - 110	P	08/14/2025	17:54	LB136837
	Iron	5310	5000	106	90 - 110	P	08/14/2025	17:54	LB136837
	Lead	4750	5000	95	90 - 110	P	08/14/2025	17:54	LB136837
	Magnesium	23400	25000	94	90 - 110	P	08/14/2025	17:54	LB136837
	Manganese	2400	2500	96	90 - 110	P	08/14/2025	17:54	LB136837
	Nickel	2430	2500	97	90 - 110	P	08/14/2025	17:54	LB136837
	Potassium	26900	25000	108	90 - 110	P	08/14/2025	17:54	LB136837
	Selenium	5260	5000	105	90 - 110	P	08/14/2025	17:54	LB136837
	Silver	1250	1250	100	90 - 110	P	08/14/2025	17:54	LB136837
	Sodium	25000	25000	100	90 - 110	P	08/14/2025	17:54	LB136837
	Thallium	5000	5000	100	90 - 110	P	08/14/2025	17:54	LB136837
	Vanadium	2470	2500	99	90 - 110	P	08/14/2025	17:54	LB136837
	Zinc	2570	2500	103	90 - 110	P	08/14/2025	17:54	LB136837

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7800	8000	98	90 - 110	P	08/20/2025	13:04	LB136898
	Antimony	4060	4000	102	90 - 110	P	08/20/2025	13:04	LB136898
	Arsenic	3950	4000	99	90 - 110	P	08/20/2025	13:04	LB136898
	Barium	7740	8000	97	90 - 110	P	08/20/2025	13:04	LB136898
	Beryllium	217	200	109	90 - 110	P	08/20/2025	13:04	LB136898
	Cadmium	1960	2000	98	90 - 110	P	08/20/2025	13:04	LB136898
	Calcium	19400	20000	97	90 - 110	P	08/20/2025	13:04	LB136898
	Chromium	809	800	101	90 - 110	P	08/20/2025	13:04	LB136898
	Cobalt	1970	2000	99	90 - 110	P	08/20/2025	13:04	LB136898
	Copper	1010	1000	101	90 - 110	P	08/20/2025	13:04	LB136898
	Iron	3970	4000	99	90 - 110	P	08/20/2025	13:04	LB136898
	Lead	3970	4000	99	90 - 110	P	08/20/2025	13:04	LB136898
	Magnesium	19400	20000	97	90 - 110	P	08/20/2025	13:04	LB136898
	Manganese	1950	2000	97	90 - 110	P	08/20/2025	13:04	LB136898
	Nickel	1970	2000	98	90 - 110	P	08/20/2025	13:04	LB136898
	Potassium	19600	20000	98	90 - 110	P	08/20/2025	13:04	LB136898
	Selenium	3990	4000	100	90 - 110	P	08/20/2025	13:04	LB136898
	Silver	1010	1000	101	90 - 110	P	08/20/2025	13:04	LB136898
	Sodium	18900	20000	94	90 - 110	P	08/20/2025	13:04	LB136898
	Thallium	3920	4000	98	90 - 110	P	08/20/2025	13:04	LB136898
	Vanadium	1940	2000	97	90 - 110	P	08/20/2025	13:04	LB136898
	Zinc	2010	2000	101	90 - 110	P	08/20/2025	13:04	LB136898

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	105	100	105	80 - 120	P	08/20/2025	13:17	LB136898
	Antimony	49.3	50.0	98	80 - 120	P	08/20/2025	13:17	LB136898
	Arsenic	20.0	20.0	100	80 - 120	P	08/20/2025	13:17	LB136898
	Barium	97.7	100	98	80 - 120	P	08/20/2025	13:17	LB136898
	Beryllium	6.15	6.0	103	80 - 120	P	08/20/2025	13:17	LB136898
	Cadmium	5.60	6.0	93	80 - 120	P	08/20/2025	13:17	LB136898
	Calcium	2050	2000	102	80 - 120	P	08/20/2025	13:17	LB136898
	Chromium	9.70	10.0	97	80 - 120	P	08/20/2025	13:17	LB136898
	Cobalt	28.7	30.0	96	80 - 120	P	08/20/2025	13:17	LB136898
	Copper	20.8	20.0	104	80 - 120	P	08/20/2025	13:17	LB136898
	Iron	103	100	103	80 - 120	P	08/20/2025	13:17	LB136898
	Lead	12.0	12.0	100	80 - 120	P	08/20/2025	13:17	LB136898
	Magnesium	2160	2000	108	80 - 120	P	08/20/2025	13:17	LB136898
	Manganese	21.9	20.0	109	80 - 120	P	08/20/2025	13:17	LB136898
	Nickel	39.1	40.0	98	80 - 120	P	08/20/2025	13:17	LB136898
	Potassium	1870	2000	94	80 - 120	P	08/20/2025	13:17	LB136898
	Selenium	21.2	20.0	106	80 - 120	P	08/20/2025	13:17	LB136898
	Silver	10.4	10.0	104	80 - 120	P	08/20/2025	13:17	LB136898
	Sodium	1910	2000	96	80 - 120	P	08/20/2025	13:17	LB136898
	Thallium	41.1	40.0	103	80 - 120	P	08/20/2025	13:17	LB136898
	Vanadium	42.6	40.0	107	80 - 120	P	08/20/2025	13:17	LB136898
	Zinc	41.2	40.0	103	80 - 120	P	08/20/2025	13:17	LB136898

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9920	10000	99	90 - 110	P	08/20/2025	13:47	LB136898
	Antimony	4980	5000	100	90 - 110	P	08/20/2025	13:47	LB136898
	Arsenic	4980	5000	100	90 - 110	P	08/20/2025	13:47	LB136898
	Barium	9810	10000	98	90 - 110	P	08/20/2025	13:47	LB136898
	Beryllium	246	250	98	90 - 110	P	08/20/2025	13:47	LB136898
	Cadmium	2470	2500	99	90 - 110	P	08/20/2025	13:47	LB136898
	Calcium	24800	25000	99	90 - 110	P	08/20/2025	13:47	LB136898
	Chromium	1010	1000	101	90 - 110	P	08/20/2025	13:47	LB136898
	Cobalt	2460	2500	98	90 - 110	P	08/20/2025	13:47	LB136898
	Copper	1250	1250	100	90 - 110	P	08/20/2025	13:47	LB136898
	Iron	5020	5000	100	90 - 110	P	08/20/2025	13:47	LB136898
	Lead	4900	5000	98	90 - 110	P	08/20/2025	13:47	LB136898
	Magnesium	24700	25000	99	90 - 110	P	08/20/2025	13:47	LB136898
	Manganese	2470	2500	99	90 - 110	P	08/20/2025	13:47	LB136898
	Nickel	2460	2500	98	90 - 110	P	08/20/2025	13:47	LB136898
	Potassium	24800	25000	99	90 - 110	P	08/20/2025	13:47	LB136898
	Selenium	5010	5000	100	90 - 110	P	08/20/2025	13:47	LB136898
	Silver	1240	1250	100	90 - 110	P	08/20/2025	13:47	LB136898
	Sodium	25000	25000	100	90 - 110	P	08/20/2025	13:47	LB136898
	Thallium	4970	5000	100	90 - 110	P	08/20/2025	13:47	LB136898
	Vanadium	2480	2500	99	90 - 110	P	08/20/2025	13:47	LB136898
	Zinc	2520	2500	101	90 - 110	P	08/20/2025	13:47	LB136898
CCV02	Aluminum	9850	10000	98	90 - 110	P	08/20/2025	14:39	LB136898
	Antimony	4990	5000	100	90 - 110	P	08/20/2025	14:39	LB136898
	Arsenic	4960	5000	99	90 - 110	P	08/20/2025	14:39	LB136898
	Barium	9760	10000	98	90 - 110	P	08/20/2025	14:39	LB136898
	Beryllium	243	250	97	90 - 110	P	08/20/2025	14:39	LB136898
	Cadmium	2450	2500	98	90 - 110	P	08/20/2025	14:39	LB136898
	Calcium	24500	25000	98	90 - 110	P	08/20/2025	14:39	LB136898
	Chromium	1000	1000	100	90 - 110	P	08/20/2025	14:39	LB136898
	Cobalt	2440	2500	98	90 - 110	P	08/20/2025	14:39	LB136898
	Copper	1240	1250	100	90 - 110	P	08/20/2025	14:39	LB136898
	Iron	5060	5000	101	90 - 110	P	08/20/2025	14:39	LB136898
	Lead	4860	5000	97	90 - 110	P	08/20/2025	14:39	LB136898

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24200	25000	97	90 - 110	P	08/20/2025	14:39	LB136898
	Manganese	2440	2500	98	90 - 110	P	08/20/2025	14:39	LB136898
	Nickel	2450	2500	98	90 - 110	P	08/20/2025	14:39	LB136898
	Potassium	25300	25000	101	90 - 110	P	08/20/2025	14:39	LB136898
	Selenium	5010	5000	100	90 - 110	P	08/20/2025	14:39	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	14:39	LB136898
	Sodium	25200	25000	101	90 - 110	P	08/20/2025	14:39	LB136898
	Thallium	5050	5000	101	90 - 110	P	08/20/2025	14:39	LB136898
	Vanadium	2460	2500	98	90 - 110	P	08/20/2025	14:39	LB136898
	Zinc	2510	2500	100	90 - 110	P	08/20/2025	14:39	LB136898
CCV03	Aluminum	9770	10000	98	90 - 110	P	08/20/2025	15:45	LB136898
	Antimony	5030	5000	101	90 - 110	P	08/20/2025	15:45	LB136898
	Arsenic	5010	5000	100	90 - 110	P	08/20/2025	15:45	LB136898
	Barium	9560	10000	96	90 - 110	P	08/20/2025	15:45	LB136898
	Beryllium	251	250	100	90 - 110	P	08/20/2025	15:45	LB136898
	Cadmium	2470	2500	99	90 - 110	P	08/20/2025	15:45	LB136898
	Calcium	24100	25000	96	90 - 110	P	08/20/2025	15:45	LB136898
	Chromium	1020	1000	102	90 - 110	P	08/20/2025	15:45	LB136898
	Cobalt	2460	2500	98	90 - 110	P	08/20/2025	15:45	LB136898
	Copper	1250	1250	100	90 - 110	P	08/20/2025	15:45	LB136898
	Iron	4950	5000	99	90 - 110	P	08/20/2025	15:45	LB136898
	Lead	4900	5000	98	90 - 110	P	08/20/2025	15:45	LB136898
	Magnesium	24100	25000	96	90 - 110	P	08/20/2025	15:45	LB136898
	Manganese	2390	2500	96	90 - 110	P	08/20/2025	15:45	LB136898
	Nickel	2470	2500	99	90 - 110	P	08/20/2025	15:45	LB136898
	Potassium	24500	25000	98	90 - 110	P	08/20/2025	15:45	LB136898
	Selenium	5050	5000	101	90 - 110	P	08/20/2025	15:45	LB136898
	Silver	1260	1250	101	90 - 110	P	08/20/2025	15:45	LB136898
	Sodium	22900	25000	92	90 - 110	P	08/20/2025	15:45	LB136898
	Thallium	4780	5000	96	90 - 110	P	08/20/2025	15:45	LB136898
	Vanadium	2440	2500	98	90 - 110	P	08/20/2025	15:45	LB136898
	Zinc	2530	2500	101	90 - 110	P	08/20/2025	15:45	LB136898
CCV04	Aluminum	9870	10000	99	90 - 110	P	08/20/2025	16:35	LB136898
	Antimony	5050	5000	101	90 - 110	P	08/20/2025	16:35	LB136898

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5050	5000	101	90 - 110	P	08/20/2025	16:35	LB136898
	Barium	9770	10000	98	90 - 110	P	08/20/2025	16:35	LB136898
	Beryllium	247	250	99	90 - 110	P	08/20/2025	16:35	LB136898
	Cadmium	2480	2500	99	90 - 110	P	08/20/2025	16:35	LB136898
	Calcium	24600	25000	98	90 - 110	P	08/20/2025	16:35	LB136898
	Chromium	1010	1000	101	90 - 110	P	08/20/2025	16:35	LB136898
	Cobalt	2480	2500	99	90 - 110	P	08/20/2025	16:35	LB136898
	Copper	1260	1250	100	90 - 110	P	08/20/2025	16:35	LB136898
	Iron	4980	5000	100	90 - 110	P	08/20/2025	16:35	LB136898
	Lead	4930	5000	99	90 - 110	P	08/20/2025	16:35	LB136898
	Magnesium	24500	25000	98	90 - 110	P	08/20/2025	16:35	LB136898
	Manganese	2430	2500	97	90 - 110	P	08/20/2025	16:35	LB136898
	Nickel	2480	2500	99	90 - 110	P	08/20/2025	16:35	LB136898
	Potassium	24800	25000	99	90 - 110	P	08/20/2025	16:35	LB136898
	Selenium	5090	5000	102	90 - 110	P	08/20/2025	16:35	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	16:35	LB136898
	Sodium	23800	25000	95	90 - 110	P	08/20/2025	16:35	LB136898
	Thallium	5150	5000	103	90 - 110	P	08/20/2025	16:35	LB136898
	Vanadium	2470	2500	99	90 - 110	P	08/20/2025	16:35	LB136898
	Zinc	2530	2500	101	90 - 110	P	08/20/2025	16:35	LB136898
CCV05	Aluminum	9860	10000	99	90 - 110	P	08/20/2025	17:09	LB136898
	Antimony	4990	5000	100	90 - 110	P	08/20/2025	17:09	LB136898
	Arsenic	4990	5000	100	90 - 110	P	08/20/2025	17:09	LB136898
	Barium	9690	10000	97	90 - 110	P	08/20/2025	17:09	LB136898
	Beryllium	251	250	101	90 - 110	P	08/20/2025	17:09	LB136898
	Cadmium	2480	2500	99	90 - 110	P	08/20/2025	17:09	LB136898
	Calcium	24500	25000	98	90 - 110	P	08/20/2025	17:09	LB136898
	Chromium	1010	1000	102	90 - 110	P	08/20/2025	17:09	LB136898
	Cobalt	2470	2500	99	90 - 110	P	08/20/2025	17:09	LB136898
	Copper	1250	1250	100	90 - 110	P	08/20/2025	17:09	LB136898
	Iron	4930	5000	98	90 - 110	P	08/20/2025	17:09	LB136898
	Lead	4920	5000	98	90 - 110	P	08/20/2025	17:09	LB136898
	Magnesium	24500	25000	98	90 - 110	P	08/20/2025	17:09	LB136898
	Manganese	2420	2500	97	90 - 110	P	08/20/2025	17:09	LB136898

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2480	2500	99	90 - 110	P	08/20/2025	17:09	LB136898
	Potassium	24600	25000	98	90 - 110	P	08/20/2025	17:09	LB136898
	Selenium	5020	5000	100	90 - 110	P	08/20/2025	17:09	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	17:09	LB136898
	Sodium	23400	25000	94	90 - 110	P	08/20/2025	17:09	LB136898
	Thallium	5030	5000	101	90 - 110	P	08/20/2025	17:09	LB136898
	Vanadium	2460	2500	99	90 - 110	P	08/20/2025	17:09	LB136898
	Zinc	2540	2500	102	90 - 110	P	08/20/2025	17:09	LB136898

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	106	70 - 130	CV	08/12/2025	14:30	LB136788
CRI01	Aluminum	105	100	105	65 - 135	P	08/14/2025	12:23	LB136837
	Antimony	52.8	50.0	106	65 - 135	P	08/14/2025	12:23	LB136837
	Arsenic	21.1	20.0	105	65 - 135	P	08/14/2025	12:23	LB136837
	Barium	96.4	100	96	65 - 135	P	08/14/2025	12:23	LB136837
	Beryllium	6.27	6.0	104	65 - 135	P	08/14/2025	12:23	LB136837
	Cadmium	5.92	6.0	99	65 - 135	P	08/14/2025	12:23	LB136837
	Calcium	2070	2000	104	65 - 135	P	08/14/2025	12:23	LB136837
	Chromium	10.4	10.0	104	65 - 135	P	08/14/2025	12:23	LB136837
	Cobalt	29.9	30.0	100	65 - 135	P	08/14/2025	12:23	LB136837
	Copper	21.4	20.0	107	65 - 135	P	08/14/2025	12:23	LB136837
	Iron	106	100	106	65 - 135	P	08/14/2025	12:23	LB136837
	Lead	12.4	12.0	103	65 - 135	P	08/14/2025	12:23	LB136837
	Magnesium	2180	2000	109	65 - 135	P	08/14/2025	12:23	LB136837
	Manganese	20.7	20.0	104	65 - 135	P	08/14/2025	12:23	LB136837
	Nickel	40.2	40.0	100	65 - 135	P	08/14/2025	12:23	LB136837
	Potassium	1930	2000	96	65 - 135	P	08/14/2025	12:23	LB136837
	Selenium	17.9	20.0	89	65 - 135	P	08/14/2025	12:23	LB136837
	Silver	11.0	10.0	110	65 - 135	P	08/14/2025	12:23	LB136837
	Sodium	1830	2000	92	65 - 135	P	08/14/2025	12:23	LB136837
	Thallium	41.3	40.0	103	65 - 135	P	08/14/2025	12:23	LB136837
	Vanadium	36.7	40.0	92	65 - 135	P	08/14/2025	12:23	LB136837
	Zinc	43.0	40.0	108	65 - 135	P	08/14/2025	12:23	LB136837
CRA	Mercury	0.19	0.2	94	70 - 130	CV	08/15/2025	12:16	LB136836
CRI01	Aluminum	98.0	100	98	65 - 135	P	08/20/2025	13:26	LB136898
	Antimony	50.6	50.0	101	65 - 135	P	08/20/2025	13:26	LB136898
	Arsenic	21.4	20.0	107	65 - 135	P	08/20/2025	13:26	LB136898
	Barium	98.2	100	98	65 - 135	P	08/20/2025	13:26	LB136898
	Beryllium	6.30	6.0	105	65 - 135	P	08/20/2025	13:26	LB136898
	Cadmium	5.72	6.0	95	65 - 135	P	08/20/2025	13:26	LB136898
	Calcium	2050	2000	103	65 - 135	P	08/20/2025	13:26	LB136898
	Chromium	9.89	10.0	99	65 - 135	P	08/20/2025	13:26	LB136898
	Cobalt	29.1	30.0	97	65 - 135	P	08/20/2025	13:26	LB136898
	Copper	20.9	20.0	104	65 - 135	P	08/20/2025	13:26	LB136898
	Iron	95.2	100	95	65 - 135	P	08/20/2025	13:26	LB136898

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Lead	12.4	12.0	104	65 - 135	P	08/20/2025	13:26	LB136898
	Magnesium	2160	2000	108	65 - 135	P	08/20/2025	13:26	LB136898
	Manganese	21.9	20.0	109	65 - 135	P	08/20/2025	13:26	LB136898
	Nickel	39.4	40.0	98	65 - 135	P	08/20/2025	13:26	LB136898
	Potassium	1830	2000	92	65 - 135	P	08/20/2025	13:26	LB136898
	Selenium	21.8	20.0	109	65 - 135	P	08/20/2025	13:26	LB136898
	Silver	9.95	10.0	100	65 - 135	P	08/20/2025	13:26	LB136898
	Sodium	1910	2000	96	65 - 135	P	08/20/2025	13:26	LB136898
	Thallium	43.3	40.0	108	65 - 135	P	08/20/2025	13:26	LB136898
	Vanadium	42.6	40.0	107	65 - 135	P	08/20/2025	13:26	LB136898
	Zinc	41.5	40.0	104	65 - 135	P	08/20/2025	13:26	LB136898



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB10	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/12/2025	14:23	LB136788

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB29	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/12/2025	14:28	LB136788
CCB30	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/12/2025	14:59	LB136788
CCB31	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/12/2025	15:26	LB136788
CCB32	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/12/2025	15:38	LB136788

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB18	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/15/2025	11:45	LB136836

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB54	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/15/2025	12:13	LB136836
CCB55	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/15/2025	12:41	LB136836
CCB56	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/15/2025	13:11	LB136836
CCB57	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	08/15/2025	13:18	LB136836

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	80.0	100	P	08/14/2025	12:13	LB136837
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/14/2025	12:13	LB136837
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/14/2025	12:13	LB136837
	Barium	14.6	+/-50	U	25.0	100	P	08/14/2025	12:13	LB136837
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/14/2025	12:13	LB136837
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/14/2025	12:13	LB136837
	Calcium	234	+/-1000	U	500	2000	P	08/14/2025	12:13	LB136837
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/14/2025	12:13	LB136837
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/14/2025	12:13	LB136837
	Copper	4.60	+/-10	U	16.0	20.0	P	08/14/2025	12:13	LB136837
	Iron	23.4	+/-50	U	80.0	100	P	08/14/2025	12:13	LB136837
	Lead	2.30	+/-6	U	9.60	12.0	P	08/14/2025	12:13	LB136837
	Magnesium	244	+/-1000	U	500	2000	P	08/14/2025	12:13	LB136837
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/14/2025	12:13	LB136837
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/14/2025	12:13	LB136837
	Potassium	918	+/-1000	U	1600	2000	P	08/14/2025	12:13	LB136837
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/14/2025	12:13	LB136837
	Silver	1.62	+/-5	U	5.00	10.0	P	08/14/2025	12:13	LB136837
	Sodium	868	+/-1000	U	1000	2000	P	08/14/2025	12:13	LB136837
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/14/2025	12:13	LB136837
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/14/2025	12:13	LB136837
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/14/2025	12:13	LB136837

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	80.0	100	P	08/14/2025	12:54	LB136837
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/14/2025	12:54	LB136837
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/14/2025	12:54	LB136837
	Barium	14.6	+/-50	U	25.0	100	P	08/14/2025	12:54	LB136837
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/14/2025	12:54	LB136837
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/14/2025	12:54	LB136837
	Calcium	234	+/-1000	U	500	2000	P	08/14/2025	12:54	LB136837
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/14/2025	12:54	LB136837
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/14/2025	12:54	LB136837
	Copper	4.60	+/-10	U	16.0	20.0	P	08/14/2025	12:54	LB136837
	Iron	23.4	+/-50	U	80.0	100	P	08/14/2025	12:54	LB136837
	Lead	2.30	+/-6	U	9.60	12.0	P	08/14/2025	12:54	LB136837
	Magnesium	244	+/-1000	U	500	2000	P	08/14/2025	12:54	LB136837
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/14/2025	12:54	LB136837
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/14/2025	12:54	LB136837
	Potassium	918	+/-1000	U	1600	2000	P	08/14/2025	12:54	LB136837
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/14/2025	12:54	LB136837
	Silver	1.62	+/-5	U	5.00	10.0	P	08/14/2025	12:54	LB136837
	Sodium	868	+/-1000	U	1000	2000	P	08/14/2025	12:54	LB136837
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/14/2025	12:54	LB136837
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/14/2025	12:54	LB136837
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/14/2025	12:54	LB136837
CCB02	Aluminum	11.3	+/-50	U	80.0	100	P	08/14/2025	13:46	LB136837
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/14/2025	13:46	LB136837
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/14/2025	13:46	LB136837
	Barium	14.6	+/-50	U	25.0	100	P	08/14/2025	13:46	LB136837
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/14/2025	13:46	LB136837
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/14/2025	13:46	LB136837
	Calcium	234	+/-1000	U	500	2000	P	08/14/2025	13:46	LB136837
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/14/2025	13:46	LB136837
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/14/2025	13:46	LB136837
	Copper	4.60	+/-10	U	16.0	20.0	P	08/14/2025	13:46	LB136837
	Iron	23.4	+/-50	U	80.0	100	P	08/14/2025	13:46	LB136837
	Lead	2.30	+/-6	U	9.60	12.0	P	08/14/2025	13:46	LB136837
	Magnesium	244	+/-1000	U	500	2000	P	08/14/2025	13:46	LB136837
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/14/2025	13:46	LB136837
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/14/2025	13:46	LB136837
	Potassium	918	+/-1000	U	1600	2000	P	08/14/2025	13:46	LB136837
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/14/2025	13:46	LB136837

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	5.00	10.0	P	08/14/2025	13:46	LB136837
	Sodium	868	+/-1000	U	1000	2000	P	08/14/2025	13:46	LB136837
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/14/2025	13:46	LB136837
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/14/2025	13:46	LB136837
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/14/2025	13:46	LB136837
CCB03	Aluminum	11.3	+/-50	U	80.0	100	P	08/14/2025	14:45	LB136837
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/14/2025	14:45	LB136837
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/14/2025	14:45	LB136837
	Barium	14.6	+/-50	U	25.0	100	P	08/14/2025	14:45	LB136837
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/14/2025	14:45	LB136837
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/14/2025	14:45	LB136837
	Calcium	234	+/-1000	U	500	2000	P	08/14/2025	14:45	LB136837
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/14/2025	14:45	LB136837
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/14/2025	14:45	LB136837
	Copper	4.60	+/-10	U	16.0	20.0	P	08/14/2025	14:45	LB136837
	Iron	23.4	+/-50	U	80.0	100	P	08/14/2025	14:45	LB136837
	Lead	2.30	+/-6	U	9.60	12.0	P	08/14/2025	14:45	LB136837
	Magnesium	244	+/-1000	U	500	2000	P	08/14/2025	14:45	LB136837
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/14/2025	14:45	LB136837
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/14/2025	14:45	LB136837
	Potassium	918	+/-1000	U	1600	2000	P	08/14/2025	14:45	LB136837
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/14/2025	14:45	LB136837
	Silver	1.62	+/-5	U	5.00	10.0	P	08/14/2025	14:45	LB136837
	Sodium	868	+/-1000	U	1000	2000	P	08/14/2025	14:45	LB136837
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/14/2025	14:45	LB136837
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/14/2025	14:45	LB136837
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/14/2025	14:45	LB136837
CCB04	Aluminum	11.3	+/-50	U	80.0	100	P	08/14/2025	16:02	LB136837
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/14/2025	16:02	LB136837
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/14/2025	16:02	LB136837
	Barium	14.6	+/-50	U	25.0	100	P	08/14/2025	16:02	LB136837
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/14/2025	16:02	LB136837
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/14/2025	16:02	LB136837
	Calcium	234	+/-1000	U	500	2000	P	08/14/2025	16:02	LB136837
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/14/2025	16:02	LB136837
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/14/2025	16:02	LB136837
	Copper	4.60	+/-10	U	16.0	20.0	P	08/14/2025	16:02	LB136837
	Iron	23.4	+/-50	U	80.0	100	P	08/14/2025	16:02	LB136837
	Lead	2.30	+/-6	U	9.60	12.0	P	08/14/2025	16:02	LB136837

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	500	2000	P	08/14/2025	16:02	LB136837
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/14/2025	16:02	LB136837
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/14/2025	16:02	LB136837
	Potassium	918	+/-1000	U	1600	2000	P	08/14/2025	16:02	LB136837
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/14/2025	16:02	LB136837
	Silver	1.62	+/-5	U	5.00	10.0	P	08/14/2025	16:02	LB136837
	Sodium	868	+/-1000	U	1000	2000	P	08/14/2025	16:02	LB136837
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/14/2025	16:02	LB136837
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/14/2025	16:02	LB136837
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/14/2025	16:02	LB136837
CCB05	Aluminum	11.3	+/-50	U	80.0	100	P	08/14/2025	17:00	LB136837
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/14/2025	17:00	LB136837
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/14/2025	17:00	LB136837
	Barium	14.6	+/-50	U	25.0	100	P	08/14/2025	17:00	LB136837
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/14/2025	17:00	LB136837
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/14/2025	17:00	LB136837
	Calcium	234	+/-1000	U	500	2000	P	08/14/2025	17:00	LB136837
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/14/2025	17:00	LB136837
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/14/2025	17:00	LB136837
	Copper	4.60	+/-10	U	16.0	20.0	P	08/14/2025	17:00	LB136837
	Iron	23.4	+/-50	U	80.0	100	P	08/14/2025	17:00	LB136837
	Lead	2.30	+/-6	U	9.60	12.0	P	08/14/2025	17:00	LB136837
	Magnesium	244	+/-1000	U	500	2000	P	08/14/2025	17:00	LB136837
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/14/2025	17:00	LB136837
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/14/2025	17:00	LB136837
	Potassium	918	+/-1000	U	1600	2000	P	08/14/2025	17:00	LB136837
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/14/2025	17:00	LB136837
	Silver	1.62	+/-5	U	5.00	10.0	P	08/14/2025	17:00	LB136837
	Sodium	868	+/-1000	U	1000	2000	P	08/14/2025	17:00	LB136837
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/14/2025	17:00	LB136837
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/14/2025	17:00	LB136837
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/14/2025	17:00	LB136837
CCB06	Aluminum	11.3	+/-50	U	80.0	100	P	08/14/2025	18:05	LB136837
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/14/2025	18:05	LB136837
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/14/2025	18:05	LB136837
	Barium	14.6	+/-50	U	25.0	100	P	08/14/2025	18:05	LB136837
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/14/2025	18:05	LB136837
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/14/2025	18:05	LB136837
	Calcium	234	+/-1000	U	500	2000	P	08/14/2025	18:05	LB136837

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	5.00	10.0	P	08/14/2025	18:05	LB136837
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/14/2025	18:05	LB136837
	Copper	4.60	+/-10	U	16.0	20.0	P	08/14/2025	18:05	LB136837
	Iron	23.4	+/-50	U	80.0	100	P	08/14/2025	18:05	LB136837
	Lead	2.30	+/-6	U	9.60	12.0	P	08/14/2025	18:05	LB136837
	Magnesium	244	+/-1000	U	500	2000	P	08/14/2025	18:05	LB136837
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/14/2025	18:05	LB136837
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/14/2025	18:05	LB136837
	Potassium	918	+/-1000	U	1600	2000	P	08/14/2025	18:05	LB136837
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/14/2025	18:05	LB136837
	Silver	1.62	+/-5	U	5.00	10.0	P	08/14/2025	18:05	LB136837
	Sodium	868	+/-1000	U	1000	2000	P	08/14/2025	18:05	LB136837
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/14/2025	18:05	LB136837
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/14/2025	18:05	LB136837
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/14/2025	18:05	LB136837

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	80.0	100	P	08/20/2025	13:21	LB136898
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/20/2025	13:21	LB136898
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/20/2025	13:21	LB136898
	Barium	14.6	+/-50	U	25.0	100	P	08/20/2025	13:21	LB136898
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/20/2025	13:21	LB136898
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/20/2025	13:21	LB136898
	Calcium	234	+/-1000	U	500	2000	P	08/20/2025	13:21	LB136898
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/20/2025	13:21	LB136898
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/20/2025	13:21	LB136898
	Copper	4.60	+/-10	U	16.0	20.0	P	08/20/2025	13:21	LB136898
	Iron	23.4	+/-50	U	80.0	100	P	08/20/2025	13:21	LB136898
	Lead	2.30	+/-6	U	9.60	12.0	P	08/20/2025	13:21	LB136898
	Magnesium	244	+/-1000	U	500	2000	P	08/20/2025	13:21	LB136898
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/20/2025	13:21	LB136898
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/20/2025	13:21	LB136898
	Potassium	918	+/-1000	U	1600	2000	P	08/20/2025	13:21	LB136898
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/20/2025	13:21	LB136898
	Silver	1.62	+/-5	U	5.00	10.0	P	08/20/2025	13:21	LB136898
	Sodium	868	+/-1000	U	1000	2000	P	08/20/2025	13:21	LB136898
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/20/2025	13:21	LB136898
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/20/2025	13:21	LB136898
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/20/2025	13:21	LB136898

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	80.0	100	P	08/20/2025	13:51	LB136898
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/20/2025	13:51	LB136898
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/20/2025	13:51	LB136898
	Barium	14.6	+/-50	U	25.0	100	P	08/20/2025	13:51	LB136898
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/20/2025	13:51	LB136898
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/20/2025	13:51	LB136898
	Calcium	234	+/-1000	U	500	2000	P	08/20/2025	13:51	LB136898
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/20/2025	13:51	LB136898
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/20/2025	13:51	LB136898
	Copper	4.60	+/-10	U	16.0	20.0	P	08/20/2025	13:51	LB136898
	Iron	23.4	+/-50	U	80.0	100	P	08/20/2025	13:51	LB136898
	Lead	2.30	+/-6	U	9.60	12.0	P	08/20/2025	13:51	LB136898
	Magnesium	244	+/-1000	U	500	2000	P	08/20/2025	13:51	LB136898
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/20/2025	13:51	LB136898
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/20/2025	13:51	LB136898
	Potassium	918	+/-1000	U	1600	2000	P	08/20/2025	13:51	LB136898
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/20/2025	13:51	LB136898
	Silver	1.62	+/-5	U	5.00	10.0	P	08/20/2025	13:51	LB136898
	Sodium	868	+/-1000	U	1000	2000	P	08/20/2025	13:51	LB136898
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/20/2025	13:51	LB136898
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/20/2025	13:51	LB136898
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/20/2025	13:51	LB136898
CCB02	Aluminum	11.3	+/-50	U	80.0	100	P	08/20/2025	14:43	LB136898
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/20/2025	14:43	LB136898
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/20/2025	14:43	LB136898
	Barium	14.6	+/-50	U	25.0	100	P	08/20/2025	14:43	LB136898
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/20/2025	14:43	LB136898
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/20/2025	14:43	LB136898
	Calcium	234	+/-1000	U	500	2000	P	08/20/2025	14:43	LB136898
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/20/2025	14:43	LB136898
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/20/2025	14:43	LB136898
	Copper	4.60	+/-10	U	16.0	20.0	P	08/20/2025	14:43	LB136898
	Iron	23.4	+/-50	U	80.0	100	P	08/20/2025	14:43	LB136898
	Lead	2.30	+/-6	U	9.60	12.0	P	08/20/2025	14:43	LB136898
	Magnesium	244	+/-1000	U	500	2000	P	08/20/2025	14:43	LB136898
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/20/2025	14:43	LB136898
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/20/2025	14:43	LB136898
	Potassium	918	+/-1000	U	1600	2000	P	08/20/2025	14:43	LB136898
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/20/2025	14:43	LB136898

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	5.00	10.0	P	08/20/2025	14:43	LB136898
	Sodium	868	+/-1000	U	1000	2000	P	08/20/2025	14:43	LB136898
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/20/2025	14:43	LB136898
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/20/2025	14:43	LB136898
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/20/2025	14:43	LB136898
CCB03	Aluminum	11.3	+/-50	U	80.0	100	P	08/20/2025	15:49	LB136898
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/20/2025	15:49	LB136898
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/20/2025	15:49	LB136898
	Barium	14.6	+/-50	U	25.0	100	P	08/20/2025	15:49	LB136898
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/20/2025	15:49	LB136898
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/20/2025	15:49	LB136898
	Calcium	234	+/-1000	U	500	2000	P	08/20/2025	15:49	LB136898
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/20/2025	15:49	LB136898
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/20/2025	15:49	LB136898
	Copper	4.60	+/-10	U	16.0	20.0	P	08/20/2025	15:49	LB136898
	Iron	23.4	+/-50	U	80.0	100	P	08/20/2025	15:49	LB136898
	Lead	2.30	+/-6	U	9.60	12.0	P	08/20/2025	15:49	LB136898
	Magnesium	244	+/-1000	U	500	2000	P	08/20/2025	15:49	LB136898
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/20/2025	15:49	LB136898
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/20/2025	15:49	LB136898
	Potassium	918	+/-1000	U	1600	2000	P	08/20/2025	15:49	LB136898
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/20/2025	15:49	LB136898
	Silver	1.62	+/-5	U	5.00	10.0	P	08/20/2025	15:49	LB136898
	Sodium	868	+/-1000	U	1000	2000	P	08/20/2025	15:49	LB136898
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/20/2025	15:49	LB136898
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/20/2025	15:49	LB136898
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/20/2025	15:49	LB136898
CCB04	Aluminum	11.3	+/-50	U	80.0	100	P	08/20/2025	16:39	LB136898
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/20/2025	16:39	LB136898
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/20/2025	16:39	LB136898
	Barium	14.6	+/-50	U	25.0	100	P	08/20/2025	16:39	LB136898
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/20/2025	16:39	LB136898
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/20/2025	16:39	LB136898
	Calcium	234	+/-1000	U	500	2000	P	08/20/2025	16:39	LB136898
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/20/2025	16:39	LB136898
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/20/2025	16:39	LB136898
	Copper	4.60	+/-10	U	16.0	20.0	P	08/20/2025	16:39	LB136898
	Iron	23.4	+/-50	U	80.0	100	P	08/20/2025	16:39	LB136898
	Lead	2.30	+/-6	U	9.60	12.0	P	08/20/2025	16:39	LB136898

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	500	2000	P	08/20/2025	16:39	LB136898
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/20/2025	16:39	LB136898
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/20/2025	16:39	LB136898
	Potassium	918	+/-1000	U	1600	2000	P	08/20/2025	16:39	LB136898
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/20/2025	16:39	LB136898
	Silver	1.62	+/-5	U	5.00	10.0	P	08/20/2025	16:39	LB136898
	Sodium	868	+/-1000	U	1000	2000	P	08/20/2025	16:39	LB136898
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/20/2025	16:39	LB136898
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/20/2025	16:39	LB136898
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/20/2025	16:39	LB136898
CCB05	Aluminum	11.3	+/-50	U	80.0	100	P	08/20/2025	17:13	LB136898
	Antimony	6.76	+/-25	U	12.5	50.0	P	08/20/2025	17:13	LB136898
	Arsenic	5.12	+/-10	U	15.0	20.0	P	08/20/2025	17:13	LB136898
	Barium	14.6	+/-50	U	25.0	100	P	08/20/2025	17:13	LB136898
	Beryllium	0.56	+/-3	U	1.50	6.00	P	08/20/2025	17:13	LB136898
	Cadmium	0.50	+/-3	U	1.50	6.00	P	08/20/2025	17:13	LB136898
	Calcium	234	+/-1000	U	500	2000	P	08/20/2025	17:13	LB136898
	Chromium	2.12	+/-5	U	5.00	10.0	P	08/20/2025	17:13	LB136898
	Cobalt	2.26	+/-15	U	7.50	30.0	P	08/20/2025	17:13	LB136898
	Copper	4.60	+/-10	U	16.0	20.0	P	08/20/2025	17:13	LB136898
	Iron	23.4	+/-50	U	80.0	100	P	08/20/2025	17:13	LB136898
	Lead	2.30	+/-6	U	9.60	12.0	P	08/20/2025	17:13	LB136898
	Magnesium	244	+/-1000	U	500	2000	P	08/20/2025	17:13	LB136898
	Manganese	5.94	+/-10	U	15.0	20.0	P	08/20/2025	17:13	LB136898
	Nickel	3.06	+/-20	U	10.0	40.0	P	08/20/2025	17:13	LB136898
	Potassium	918	+/-1000	U	1600	2000	P	08/20/2025	17:13	LB136898
	Selenium	9.64	+/-10	U	16.0	20.0	P	08/20/2025	17:13	LB136898
	Silver	1.62	+/-5	U	5.00	10.0	P	08/20/2025	17:13	LB136898
	Sodium	868	+/-1000	U	1000	2000	P	08/20/2025	17:13	LB136898
	Thallium	4.38	+/-20	U	20.0	40.0	P	08/20/2025	17:13	LB136898
	Vanadium	6.26	+/-20	U	20.0	40.0	P	08/20/2025	17:13	LB136898
	Zinc	16.7	+/-20	U	15.0	40.0	P	08/20/2025	17:13	LB136898

Metals
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PREPARATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169202BL		WATER		Batch Number:		PB169202		Prep Date:	08/12/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	08/12/2025	14:37	LB136788
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169249BL		WATER		Batch Number:		PB169249		Prep Date:	08/14/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	08/15/2025	12:22	LB136836

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169232BL	WATER			Batch Number:		PB169232		Prep Date:	08/13/2025	
	Aluminum	5.67	<25	U	40.0	50.0	P	08/14/2025	13:11	LB136837
	Antimony	3.38	<12.5	U	6.25	25.0	P	08/14/2025	13:11	LB136837
	Arsenic	2.56	<5	U	7.50	10.0	P	08/14/2025	13:11	LB136837
	Barium	7.28	<25	U	12.5	50.0	P	08/14/2025	13:11	LB136837
	Beryllium	0.28	<1.5	U	0.75	3.00	P	08/14/2025	13:11	LB136837
	Cadmium	0.25	<1.5	U	0.75	3.00	P	08/14/2025	13:11	LB136837
	Calcium	117	<500	U	250	1000	P	08/14/2025	13:11	LB136837
	Chromium	1.06	<2.5	U	2.50	5.00	P	08/14/2025	13:11	LB136837
	Cobalt	1.13	<7.5	U	3.75	15.0	P	08/14/2025	13:11	LB136837
	Copper	2.30	<5	U	8.00	10.0	P	08/14/2025	13:11	LB136837
	Iron	11.7	<25	U	40.0	50.0	P	08/14/2025	13:11	LB136837
	Lead	1.15	<3	U	4.80	6.00	P	08/14/2025	13:11	LB136837
	Magnesium	122	<500	U	250	1000	P	08/14/2025	13:11	LB136837
	Manganese	2.97	<5	U	7.50	10.0	P	08/14/2025	13:11	LB136837
	Nickel	1.53	<10	U	5.00	20.0	P	08/14/2025	13:11	LB136837
	Potassium	459	<500	U	800	1000	P	08/14/2025	13:11	LB136837
	Selenium	4.82	<5	U	8.00	10.0	P	08/14/2025	13:11	LB136837
	Silver	0.81	<2.5	U	2.50	5.00	P	08/14/2025	13:11	LB136837
	Sodium	434	<500	U	500	1000	P	08/14/2025	13:11	LB136837
	Thallium	2.19	<10	U	10.0	20.0	P	08/14/2025	13:11	LB136837
	Vanadium	3.13	<10	U	10.0	20.0	P	08/14/2025	13:11	LB136837
	Zinc	8.33	<10	U	7.50	20.0	P	08/14/2025	13:11	LB136837

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>First Environment, Inc.</u>	SDG No.: <u>Q2815</u>
Contract: <u>FIRS02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	251000	255000	98	216000	294000	08/14/2025	12:27	LB136837
	Antimony	-1.10			-50	50	08/14/2025	12:27	LB136837
	Arsenic	7.57			-20	20	08/14/2025	12:27	LB136837
	Barium	0.097	6.0	2	-94	106	08/14/2025	12:27	LB136837
	Beryllium	1.36			-6	6	08/14/2025	12:27	LB136837
	Cadmium	2.91	1.0	291	-5	7	08/14/2025	12:27	LB136837
	Calcium	237000	245000	97	208000	282000	08/14/2025	12:27	LB136837
	Chromium	60.3	52.0	116	42	62	08/14/2025	12:27	LB136837
	Cobalt	1.84			-30	30	08/14/2025	12:27	LB136837
	Copper	7.21	2.0	360	-18	22	08/14/2025	12:27	LB136837
	Iron	99800	101000	99	85600	116500	08/14/2025	12:27	LB136837
	Lead	-5.21			-12	12	08/14/2025	12:27	LB136837
	Magnesium	251000	255000	98	216000	294000	08/14/2025	12:27	LB136837
	Manganese	7.95	7.0	114	-13	27	08/14/2025	12:27	LB136837
	Nickel	5.40	2.0	270	-38	42	08/14/2025	12:27	LB136837
	Potassium	130			0	0	08/14/2025	12:27	LB136837
	Selenium	-3.06			-20	20	08/14/2025	12:27	LB136837
	Silver	1.48			-10	10	08/14/2025	12:27	LB136837
	Sodium	111			0	0	08/14/2025	12:27	LB136837
	Thallium	-3.36			-40	40	08/14/2025	12:27	LB136837
	Vanadium	2.16			-40	40	08/14/2025	12:27	LB136837
	Zinc	3.33			-40	40	08/14/2025	12:27	LB136837
ICSAB01	Aluminum	249000	247000	101	209000	285000	08/14/2025	12:38	LB136837
	Antimony	593	618	96	525	711	08/14/2025	12:38	LB136837
	Arsenic	110	104	106	88.4	120	08/14/2025	12:38	LB136837
	Barium	485	537	90	437	637	08/14/2025	12:38	LB136837
	Beryllium	496	495	100	420	570	08/14/2025	12:38	LB136837
	Cadmium	989	972	102	826	1120	08/14/2025	12:38	LB136837
	Calcium	236000	235000	100	199000	271000	08/14/2025	12:38	LB136837
	Chromium	566	542	104	460	624	08/14/2025	12:38	LB136837
	Cobalt	494	476	104	404	548	08/14/2025	12:38	LB136837
	Copper	490	511	96	434	588	08/14/2025	12:38	LB136837
	Iron	98600	99300	99	84400	114500	08/14/2025	12:38	LB136837
	Lead	42.6	49.0	87	37	61	08/14/2025	12:38	LB136837
	Magnesium	252000	248000	102	210000	286000	08/14/2025	12:38	LB136837
	Manganese	487	507	96	430	584	08/14/2025	12:38	LB136837
	Nickel	987	954	104	810	1100	08/14/2025	12:38	LB136837
	Potassium	-0.28			0	0	08/14/2025	12:38	LB136837
	Selenium	46.6	46.0	101	26	66	08/14/2025	12:38	LB136837
	Silver	216	201	108	170	232	08/14/2025	12:38	LB136837
	Sodium	-6.45			0	0	08/14/2025	12:38	LB136837
	Thallium	109	108	101	68	148	08/14/2025	12:38	LB136837

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>First Environment, Inc.</u>	SDG No.: <u>Q2815</u>
Contract: <u>FIRS02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	479	491	98	417	565	08/14/2025	12:38	LB136837
	Zinc	1040	952	109	809	1095	08/14/2025	12:38	LB136837
ICSA01	Aluminum	247000	255000	97	216000	294000	08/20/2025	13:30	LB136898
	Antimony	-1.47			-50	50	08/20/2025	13:30	LB136898
	Arsenic	10.7			-20	20	08/20/2025	13:30	LB136898
	Barium	1.81	6.0	30	-94	106	08/20/2025	13:30	LB136898
	Beryllium	1.50			-6	6	08/20/2025	13:30	LB136898
	Cadmium	2.34	1.0	234	-5	7	08/20/2025	13:30	LB136898
	Calcium	233000	245000	95	208000	282000	08/20/2025	13:30	LB136898
	Chromium	60.0	52.0	115	42	62	08/20/2025	13:30	LB136898
	Cobalt	1.69			-30	30	08/20/2025	13:30	LB136898
	Copper	4.70	2.0	235	-18	22	08/20/2025	13:30	LB136898
	Iron	99200	101000	98	85600	116500	08/20/2025	13:30	LB136898
	Lead	-3.40			-12	12	08/20/2025	13:30	LB136898
	Magnesium	249000	255000	98	216000	294000	08/20/2025	13:30	LB136898
	Manganese	8.90	7.0	127	-13	27	08/20/2025	13:30	LB136898
	Nickel	6.20	2.0	310	-38	42	08/20/2025	13:30	LB136898
	Potassium	84.7			0	0	08/20/2025	13:30	LB136898
	Selenium	-0.17			-20	20	08/20/2025	13:30	LB136898
	Silver	2.09			-10	10	08/20/2025	13:30	LB136898
	Sodium	74.1			0	0	08/20/2025	13:30	LB136898
	Thallium	-3.61			-40	40	08/20/2025	13:30	LB136898
	Vanadium	5.01			-40	40	08/20/2025	13:30	LB136898
	Zinc	1.99			-40	40	08/20/2025	13:30	LB136898
ICSAB01	Aluminum	250000	247000	101	209000	285000	08/20/2025	13:34	LB136898
	Antimony	587	618	95	525	711	08/20/2025	13:34	LB136898
	Arsenic	109	104	105	88.4	120	08/20/2025	13:34	LB136898
	Barium	475	537	88	437	637	08/20/2025	13:34	LB136898
	Beryllium	482	495	97	420	570	08/20/2025	13:34	LB136898
	Cadmium	963	972	99	826	1120	08/20/2025	13:34	LB136898
	Calcium	236000	235000	100	199000	271000	08/20/2025	13:34	LB136898
	Chromium	553	542	102	460	624	08/20/2025	13:34	LB136898
	Cobalt	484	476	102	404	548	08/20/2025	13:34	LB136898
	Copper	475	511	93	434	588	08/20/2025	13:34	LB136898
	Iron	101000	99300	102	84400	114500	08/20/2025	13:34	LB136898
	Lead	38.4	49.0	78	37	61	08/20/2025	13:34	LB136898
	Magnesium	251000	248000	101	210000	286000	08/20/2025	13:34	LB136898
	Manganese	476	507	94	430	584	08/20/2025	13:34	LB136898
	Nickel	964	954	101	810	1100	08/20/2025	13:34	LB136898
	Potassium	-189			0	0	08/20/2025	13:34	LB136898
	Selenium	47.4	46.0	103	26	66	08/20/2025	13:34	LB136898
	Silver	212	201	106	170	232	08/20/2025	13:34	LB136898

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>First Environment, Inc.</u>	SDG No.: <u>Q2815</u>
Contract: <u>FIRS02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	27.1			0	0	08/20/2025	13:34	LB136898
	Thallium	99.0	108	92	68	148	08/20/2025	13:34	LB136898
	Vanadium	475	491	97	417	565	08/20/2025	13:34	LB136898
	Zinc	1020	952	107	809	1095	08/20/2025	13:34	LB136898



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: First Environment, Inc. level: low sdg no.: Q2815
contract: FIRS02 lab code: ACE
matrix: Water sample id: Q2821-08 client id: DM-COMPMS

Percent Solids for Sample: NA Spiked ID: Q2821-08MS Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.70		0.20	U	4.0	92		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>First Environment, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q2815</u>
contract: <u>FIRS02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2821-08</u>	client id: <u>DM-COMPMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2821-08MSD</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	3.82		0.20	U	4.0	96		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>First Environment, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q2815</u>
contract: <u>FIRS02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2837-01</u>	client id: <u>TW-WTS-13MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2837-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1410		468		1000	94		P
Antimony	ug/L	88 - 113	436		25.0	U	400	109		P
Arsenic	ug/L	87 - 113	430		10.0	U	400	108		P
Barium	ug/L	88 - 113	320		239		100	81	N	P
Beryllium	ug/L	89 - 112	85.3		3.00	U	100	85	N	P
Cadmium	ug/L	88 - 113	94.9		3.00	U	100	95		P
Calcium	ug/L	87 - 113	249000		265000		500	-3173		P
Chromium	ug/L	90 - 113	222		28.5		200	97		P
Cobalt	ug/L	89 - 114	98.5		1.99	J	100	97		P
Copper	ug/L	86 - 114	158		13.7		150	96		P
Iron	ug/L	87 - 115	4340		2840		1500	100		P
Lead	ug/L	86 - 113	444		1.79	J	500	88		P
Magnesium	ug/L	85 - 113	1100		252	J	1000	85		P
Manganese	ug/L	90 - 114	101		3.47	J	100	98		P
Nickel	ug/L	88 - 113	264		23.9		250	96		P
Potassium	ug/L	86 - 114	221000		228000		5000	-122		P
Selenium	ug/L	83 - 114	1080		10.0	U	1000	108		P
Silver	ug/L	84 - 115	34.0		5.00	U	37.5	91		P
Sodium	ug/L	87 - 115	115000		119000		1500	-253		P
Thallium	ug/L	85 - 114	859		20.0	U	1000	86		P
Vanadium	ug/L	90 - 111	149		3.33	J	150	97		P
Zinc	ug/L	87 - 115	117		20.0	U	100	117	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>First Environment, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q2815</u>
contract: <u>FIRS02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2837-01</u>	client id: <u>TW-WTS-13MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2837-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1450		468		1000	98		P
Antimony	ug/L	88 - 113	457		25.0	U	400	114	N	P
Arsenic	ug/L	87 - 113	448		10.0	U	400	112		P
Barium	ug/L	88 - 113	336		239		100	98		P
Beryllium	ug/L	89 - 112	86.2		3.00	U	100	86	N	P
Cadmium	ug/L	88 - 113	96.7		3.00	U	100	97		P
Calcium	ug/L	87 - 113	258000		265000		500	-1371		P
Chromium	ug/L	90 - 113	226		28.5		200	99		P
Cobalt	ug/L	89 - 114	101		1.99	J	100	99		P
Copper	ug/L	86 - 114	164		13.7		150	100		P
Iron	ug/L	87 - 115	4570		2840		1500	115		P
Lead	ug/L	86 - 113	451		1.79	J	500	90		P
Magnesium	ug/L	85 - 113	1130		252	J	1000	88		P
Manganese	ug/L	90 - 114	99.7		3.47	J	100	96		P
Nickel	ug/L	88 - 113	270		23.9		250	99		P
Potassium	ug/L	86 - 114	232000		228000		5000	89		P
Selenium	ug/L	83 - 114	1130		10.0	U	1000	113		P
Silver	ug/L	84 - 115	35.2		5.00	U	37.5	94		P
Sodium	ug/L	87 - 115	121000		119000		1500	153		P
Thallium	ug/L	85 - 114	886		20.0	U	1000	89		P
Vanadium	ug/L	90 - 111	153		3.33	J	150	100		P
Zinc	ug/L	87 - 115	120		20.0	U	100	120	N	P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: First Environment, Inc. **level:** low **sdg no.:** Q2815
contract: FIRS02 **lab code:** ACE
matrix: Water **sample id:** Q2842-03 **client id:** MW-17B-55.5-081225MS
Percent Solids for Sample: NA **Spiked ID:** Q2842-04 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.75		0.20	U	4.0	94		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>First Environment, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q2815</u>
contract: <u>FIRS02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2842-03</u>	client id: <u>MW-17B-55.5-081225MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2842-05</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	3.89		0.20	U	4.0	97		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>First Environment, Inc.</u>	SDG No.: <u>Q2815</u>	
Contract: <u>FIRS02</u>	Lab Code: <u>ACE</u>	
Matrix: <u>Water</u>	Level: <u>LOW</u>	Client ID: <u>TW-WTS-13A</u>
Sample ID: <u>Q2837-01</u>	Spiked ID: <u>Q2837-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	88 - 113	448		25.0	U	400	112		P
Barium	ug/L	88 - 113	319		239		100	81	N	P
Beryllium	ug/L	89 - 112	81.5		3.00	U	100	82	N	P
Zinc	ug/L	87 - 115	116		20.0	U	100	116	N	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>First Environment, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2815</u>
Contract:	<u>FIRS02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2821-08</u>	Client ID:	<u>DM-COMPDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2821-08DUP	Percent Solids for Spike Sample:	NA

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

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>First Environment, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2815</u>
Contract:	<u>FIRS02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2821-08MS</u>	Client ID:	<u>DM-COMPMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2821-08MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.70		3.82		3		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: First Environment, Inc. **Level:** LOW **SDG No.:** Q2815
Contract: FIRS02 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2837-01 **Client ID:** TW-WTS-13DUP
Percent Solids for Sample: NA **Duplicate ID** Q2837-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	468		451		4		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	239		226		6		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	265000		253000		5		P
Chromium	ug/L	20	28.5		27.0		5		P
Cobalt	ug/L	20	1.99	J	1.89	J	5		P
Copper	ug/L	20	13.7		12.9		6		P
Iron	ug/L	20	2840		2750		3		P
Lead	ug/L	20	1.79	J	1.81	J	1		P
Magnesium	ug/L	20	252	J	237	J	6		P
Manganese	ug/L	20	3.47	J	3.25	J	7		P
Nickel	ug/L	20	23.9		22.6		6		P
Potassium	ug/L	20	228000		217000		5		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	119000		112000		6		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	3.33	J	3.38	J	1		P
Zinc	ug/L	20	20.0	U	20.0	U			P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>First Environment, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2815</u>
Contract:	<u>FIRS02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2837-01MS</u>	Client ID:	<u>TW-WTS-13MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2837-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1410		1450		3		P
Antimony	ug/L	20	436		457		5		P
Arsenic	ug/L	20	430		448		4		P
Barium	ug/L	20	320		336		5		P
Beryllium	ug/L	20	85.3		86.2		1		P
Cadmium	ug/L	20	94.9		96.7		2		P
Calcium	ug/L	20	249000		258000		4		P
Chromium	ug/L	20	222		226		2		P
Cobalt	ug/L	20	98.5		101		3		P
Copper	ug/L	20	158		164		4		P
Iron	ug/L	20	4340		4570		5		P
Lead	ug/L	20	444		451		2		P
Magnesium	ug/L	20	1100		1130		3		P
Manganese	ug/L	20	101		99.7		1		P
Nickel	ug/L	20	264		270		2		P
Potassium	ug/L	20	221000		232000		5		P
Selenium	ug/L	20	1080		1130		5		P
Silver	ug/L	20	34.0		35.2		3		P
Sodium	ug/L	20	115000		121000		5		P
Thallium	ug/L	20	859		886		3		P
Vanadium	ug/L	20	149		153		3		P
Zinc	ug/L	20	117		120		3		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>First Environment, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2815</u>
Contract:	<u>FIRS02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2842-03</u>	Client ID:	<u>MW-17B-55.5-081225DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2842-03DUP	Percent Solids for Spike Sample:	NA

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

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>First Environment, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2815</u>
Contract:	<u>FIRS02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2842-04</u>	Client ID:	<u>MW-17B-55.5-081225MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2842-05	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.75		3.89		4		CV



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Metals
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LABORATORY CONTROL SAMPLE SUMMARY

Client:

First Environment, Inc.

SDG No.:

Q2815

Contract:

FIRS02

Lab Code:

ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169202BS Mercury	ug/L	4.0	4.14		104	82 - 119	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>First Environment, Inc.</u>	SDG No.:	<u>Q2815</u>
Contract:	<u>FIRS02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169232BS							
Aluminum	ug/L	1000	1020		102	86 - 115	P
Antimony	ug/L	400	414		104	88 - 113	P
Arsenic	ug/L	400	400		100	87 - 113	P
Barium	ug/L	100	97.5		98	88 - 113	P
Beryllium	ug/L	100	102		102	89 - 112	P
Cadmium	ug/L	100	97.0		97	88 - 113	P
Calcium	ug/L	500	530	J	106	87 - 113	P
Chromium	ug/L	200	210		105	90 - 113	P
Cobalt	ug/L	100	99.9		100	89 - 114	P
Copper	ug/L	150	158		105	86 - 114	P
Iron	ug/L	1500	1520		101	87 - 115	P
Lead	ug/L	500	488		98	86 - 113	P
Magnesium	ug/L	1000	1030		103	85 - 113	P
Manganese	ug/L	100	103		103	90 - 114	P
Nickel	ug/L	250	251		100	88 - 113	P
Potassium	ug/L	5000	4910		98	86 - 114	P
Selenium	ug/L	1000	1010		101	83 - 114	P
Silver	ug/L	37.5	38.8		104	84 - 115	P
Sodium	ug/L	1500	1400		93	87 - 115	P
Thallium	ug/L	1000	1070		107	85 - 114	P
Vanadium	ug/L	150	154		103	90 - 111	P
Zinc	ug/L	100	106		106	87 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169249BS Mercury	ug/L	4.0	4.19		105	82 - 119	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

DM-COMPL

Lab Name: Alliance **Contract:** FIRS02
Lab Code: ACE **Lb No.:** lb136788 **Lab Sample ID :** Q2821-08L **SDG No.:** Q2815
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.20 U	0.40 J	100.0		CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TW-WTS-13L

Lab Name: Alliance **Contract:** FIRS02
Lab Code: ACE **Lb No.:** lb136837 **Lab Sample ID :** Q2837-01L **SDG No.:** Q2815
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	468		512		9		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	239		218	J	9		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	265000		272000		3		P
Chromium	28.5		28.0		1		P
Cobalt	1.99	J	75.0	U	100.0		P
Copper	13.7		13.9	J	2		P
Iron	2840		2730		4		P
Lead	1.79	J	30.0	U	100.0		P
Magnesium	252	J	5000	U	100.0		P
Manganese	3.47	J	50.0	U	100.0		P
Nickel	23.9		24.6	J	3		P
Potassium	228000		211000		7		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	119000		104000		13		P
Thallium	20.0	U	100	U			P
Vanadium	3.33	J	100	U	100.0		P
Zinc	20.0	U	100	U			P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-17B-55.5-081225L

Lab Name: Alliance **Contract:** FIRS02
Lab Code: ACE **Lb No.:** lb136836 **Lab Sample ID :** Q2842-03L **SDG No.:** Q2815
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
Mercury	0.20 U	1.00 U			CV



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169202							
PB169202BL	PB169202BL	MB	WATER	08/12/2025	30.0	30.0	
PB169202BS	PB169202BS	LCS	WATER	08/12/2025	30.0	30.0	
Q2815-01	TW-705R-S	SAM	WATER	08/12/2025	30.0	30.0	
Q2815-11	TW-22M-W	SAM	WATER	08/12/2025	30.0	30.0	
Q2815-20	TW-11M-W	SAM	WATER	08/12/2025	30.0	30.0	
Q2815-26	FB	SAM	WATER	08/12/2025	30.0	30.0	
Q2821-08DUP	DM-COMPDUP	DUP	WATER	08/12/2025	30.0	30.0	
Q2821-08MS	DM-COMPMS	MS	WATER	08/12/2025	30.0	30.0	
Q2821-08MSD	DM-COMPMSD	MSD	WATER	08/12/2025	30.0	30.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169232							
PB169232BL	PB169232BL	MB	WATER	08/13/2025	50.0	25.0	
PB169232BS	PB169232BS	LCS	WATER	08/13/2025	50.0	25.0	
Q2815-01	TW-705R-S	SAM	WATER	08/13/2025	50.0	25.0	
Q2815-11	TW-22M-W	SAM	WATER	08/13/2025	50.0	25.0	
Q2815-20	TW-11M-W	SAM	WATER	08/13/2025	50.0	25.0	
Q2815-25	TW-11M-W	SAM	WATER	08/13/2025	50.0	25.0	
Q2815-26	FB	SAM	WATER	08/13/2025	50.0	25.0	
Q2837-01DUP	TW-WTS-13DUP	DUP	WATER	08/13/2025	50.0	25.0	
Q2837-01MS	TW-WTS-13MS	MS	WATER	08/13/2025	50.0	25.0	
Q2837-01MSD	TW-WTS-13MSD	MSD	WATER	08/13/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: First Environment, Inc.

SDG No.: Q2815

Contract: FIRS02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169249							
PB169249BL	PB169249BL	MB	WATER	08/14/2025	30.0	30.0	
PB169249BS	PB169249BS	LCS	WATER	08/14/2025	30.0	30.0	
Q2815-25	TW-11M-W	SAM	WATER	08/14/2025	30.0	30.0	
Q2842-03DUP	MW-17B-55.5-081225DUP	DUP	WATER	08/14/2025	30.0	30.0	
Q2842-04	MW-17B-55.5-081225MS	MS	WATER	08/14/2025	30.0	30.0	
Q2842-05	MW-17B-55.5-081225MSD	MSD	WATER	08/14/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: First Environment, Inc.

Contract: FIRS02

Lab code: ACE

Sdg no.: Q2815

Instrument id number: _____

Method: _____

Run number: LB136788

Start date: 08/12/2025

End date: 08/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1407	HG
S0.2	S0.2	1	1409	HG
S2.5	S2.5	1	1411	HG
S5	S5	1	1414	HG
S7.5	S7.5	1	1416	HG
S10	S10	1	1418	HG
ICV10	ICV10	1	1421	HG
ICB10	ICB10	1	1423	HG
CCV29	CCV29	1	1426	HG
CCB29	CCB29	1	1428	HG
CRA	CRA	1	1430	HG
PB169202BL	PB169202BL	1	1437	HG
PB169202BS	PB169202BS	1	1442	HG
CCV30	CCV30	1	1456	HG
CCB30	CCB30	1	1459	HG
Q2815-01	TW-705R-S	1	1503	HG
Q2815-11	TW-22M-W	1	1506	HG
Q2815-20	TW-11M-W	1	1508	HG
Q2815-26	FB	1	1510	HG
Q2821-08DUP	DM-COMPDUP	1	1517	HG
Q2821-08MS	DM-COMPMS	1	1519	HG
Q2821-08MSD	DM-COMPMSD	1	1522	HG
CCV31	CCV31	1	1524	HG
CCB31	CCB31	1	1526	HG
Q2821-08L	DM-COMPL	5	1529	HG
CCV32	CCV32	1	1535	HG
CCB32	CCB32	1	1538	HG

metals
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ANALYSIS RUN LOG

Client: First Environment, Inc.

Contract: FIRS02

Lab code: ACE

Sdg no.: Q2815

Instrument id number: _____

Method: _____

Run number: LB136836

Start date: 08/15/2025

End date: 08/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1125	HG
S0.2	S0.2	1	1128	HG
S2.5	S2.5	1	1130	HG
S5	S5	1	1132	HG
S7.5	S7.5	1	1135	HG
S10	S10	1	1137	HG
ICV18	ICV18	1	1140	HG
ICB18	ICB18	1	1145	HG
CCV54	CCV54	1	1211	HG
CCB54	CCB54	1	1213	HG
CRA	CRA	1	1216	HG
PB169249BL	PB169249BL	1	1222	HG
PB169249BS	PB169249BS	1	1225	HG
Q2815-25	TW-11M-W	1	1232	HG
CCV55	CCV55	1	1238	HG
CCB55	CCB55	1	1241	HG
Q2842-03DUP	MW-17B-55.5-081225DUP	1	1245	HG
Q2842-04	MW-17B-55.5-081225MS	1	1248	HG
Q2842-05	MW-17B-55.5-081225MSD	1	1250	HG
Q2842-03L	MW-17B-55.5-081225L	5	1304	HG
CCV56	CCV56	1	1309	HG
CCB56	CCB56	1	1311	HG
CCV57	CCV57	1	1315	HG
CCB57	CCB57	1	1318	HG

metals
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ANALYSIS RUN LOG

Client: First Environment, Inc.

Contract: FIRS02

Lab code: ACE

Sdg no.: Q2815

Instrument id number: _____

Method: _____

Run number: LB136837

Start date: 08/14/2025

End date: 08/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1139	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1144	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1152	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1200	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1205	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1209	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1213	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1223	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1227	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1238	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1250	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1254	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169232BL	PB169232BL	1	1311	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169232BS	PB169232BS	1	1315	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1342	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1346	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1441	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1445	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2815-01	TW-705R-S	1	1527	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
Q2815-11	TW-22M-W	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2815-20	TW-11M-W	1	1610	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2815-26	FB	1	1618	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2837-01DUP	TW-WTS-13DUP	1	1636	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2837-01L	TW-WTS-13L	5	1641	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2837-01MS	TW-WTS-13MS	1	1645	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1650	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1700	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2837-01MSD	TW-WTS-13MSD	1	1704	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2837-01A	TW-WTS-13A	1	1709	Ba,Be,Sb,Zn
CCV06	CCV06	1	1754	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1805	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: First Environment, Inc.

Contract: FIRS02

Lab code: ACE

Sdg no.: Q2815

Instrument id number: _____

Method: _____

Run number: LB136898

Start date: 08/20/2025

End date: 08/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1238	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	1243	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	1247	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	1251	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	1255	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	1259	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	1304	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	1317	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	1321	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	1326	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	1330	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	1334	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	1347	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	1351	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	1439	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	1443	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	1545	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	1549	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	1635	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	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2815-25	TW-11M-W	1	1700	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	1709	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	1713	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn