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

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

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

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

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

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

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
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	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
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B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

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

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

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
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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	