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

Hit Summary Sheet
SW-846

SDG No.: Q2814 **Order ID:** Q2814

Client: First Environment, Inc. **Project ID:** USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TW-84SB-E									
Q2814-01	TW-84SB-E	Water	Aluminum	461		5.67	40.0	50.0	ug/L
Q2814-01	TW-84SB-E	Water	Barium	31.3	J	7.28	12.5	50.0	ug/L
Q2814-01	TW-84SB-E	Water	Calcium	20500		117	250	1000	ug/L
Q2814-01	TW-84SB-E	Water	Chromium	1.87	J	1.06	2.50	5.00	ug/L
Q2814-01	TW-84SB-E	Water	Copper	3.36	J	2.30	8.00	10.0	ug/L
Q2814-01	TW-84SB-E	Water	Iron	1040		11.7	40.0	50.0	ug/L
Q2814-01	TW-84SB-E	Water	Lead	3.82	J	1.15	4.80	6.00	ug/L
Q2814-01	TW-84SB-E	Water	Magnesium	11500		122	250	1000	ug/L
Q2814-01	TW-84SB-E	Water	Manganese	19.4		2.97	7.50	10.0	ug/L
Q2814-01	TW-84SB-E	Water	Potassium	13600		459	800	1000	ug/L
Q2814-01	TW-84SB-E	Water	Sodium	65600		434	500	1000	ug/L
Q2814-01	TW-84SB-E	Water	Zinc	16.4	J	8.33	7.50	20.0	ug/L
Client ID : TW-17M-W									
Q2814-03	TW-17M-W	Water	Aluminum	2750		5.67	40.0	50.0	ug/L
Q2814-03	TW-17M-W	Water	Arsenic	6.27	J	2.56	7.50	10.0	ug/L
Q2814-03	TW-17M-W	Water	Barium	18.6	J	7.28	12.5	50.0	ug/L
Q2814-03	TW-17M-W	Water	Calcium	18400		117	250	1000	ug/L
Q2814-03	TW-17M-W	Water	Chromium	4.23	J	1.06	2.50	5.00	ug/L
Q2814-03	TW-17M-W	Water	Copper	7.20	J	2.30	8.00	10.0	ug/L
Q2814-03	TW-17M-W	Water	Iron	1770		11.7	40.0	50.0	ug/L
Q2814-03	TW-17M-W	Water	Lead	20.9		1.15	4.80	6.00	ug/L
Q2814-03	TW-17M-W	Water	Magnesium	6810		122	250	1000	ug/L
Q2814-03	TW-17M-W	Water	Manganese	102		2.97	7.50	10.0	ug/L
Q2814-03	TW-17M-W	Water	Mercury	0.14	J	0.076	0.16	0.20	ug/L
Q2814-03	TW-17M-W	Water	Nickel	1.74	J	1.53	5.00	20.0	ug/L
Q2814-03	TW-17M-W	Water	Potassium	4990		459	800	1000	ug/L
Q2814-03	TW-17M-W	Water	Sodium	43400		434	500	1000	ug/L
Q2814-03	TW-17M-W	Water	Vanadium	8.02	J	3.13	10.0	20.0	ug/L
Q2814-03	TW-17M-W	Water	Zinc	39.8		8.33	7.50	20.0	ug/L
Client ID : TW-518R-S									
Q2814-17	TW-518R-S	Water	Aluminum	233000	D	28.4	200	250	ug/L
Q2814-17	TW-518R-S	Water	Arsenic	304	D	12.8	37.5	50.0	ug/L
Q2814-17	TW-518R-S	Water	Barium	890	D	36.4	62.5	250	ug/L
Q2814-17	TW-518R-S	Water	Beryllium	15.9	D	1.40	3.75	15.0	ug/L
Q2814-17	TW-518R-S	Water	Cadmium	43.3	D	1.25	3.75	15.0	ug/L
Q2814-17	TW-518R-S	Water	Calcium	50900	D	585	1250	5000	ug/L

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

SDG No.: Q2814 **Order ID:** Q2814

Client: First Environment, Inc. **Project ID:** USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2814-17	TW-518R-S	Water	Chromium	476	D	5.30	12.5	25.0	ug/L
Q2814-17	TW-518R-S	Water	Cobalt	152	D	5.65	18.8	75.0	ug/L
Q2814-17	TW-518R-S	Water	Copper	1300	D	11.5	40.0	50.0	ug/L
Q2814-17	TW-518R-S	Water	Iron	339000	D	58.5	200	250	ug/L
Q2814-17	TW-518R-S	Water	Lead	892	D	5.75	24.0	30.0	ug/L
Q2814-17	TW-518R-S	Water	Magnesium	56700	D	610	1250	5000	ug/L
Q2814-17	TW-518R-S	Water	Manganese	1190	D	14.9	37.5	50.0	ug/L
Q2814-17	TW-518R-S	Water	Mercury	0.28		0.076	0.16	0.20	ug/L
Q2814-17	TW-518R-S	Water	Nickel	288	D	7.65	25.0	100	ug/L
Q2814-17	TW-518R-S	Water	Potassium	46100	D	2300	4000	5000	ug/L
Q2814-17	TW-518R-S	Water	Silver	23.1	JD	4.05	12.5	25.0	ug/L
Q2814-17	TW-518R-S	Water	Sodium	373000	D	2170	2500	5000	ug/L
Q2814-17	TW-518R-S	Water	Vanadium	552	D	15.7	50.0	100	ug/L
Q2814-17	TW-518R-S	Water	Zinc	3920	D	41.7	37.5	100	ug/L
Client ID :	**TW-84SB-E**								
Q2814-22	TW-84SB-E	Water	Aluminum	19.9	J	5.67	40.0	50.0	ug/L
Q2814-22	TW-84SB-E	Water	Barium	27.5	J	7.28	12.5	50.0	ug/L
Q2814-22	TW-84SB-E	Water	Calcium	20700		117	250	1000	ug/L
Q2814-22	TW-84SB-E	Water	Copper	5.24	J	2.30	8.00	10.0	ug/L
Q2814-22	TW-84SB-E	Water	Iron	17.5	J	11.7	40.0	50.0	ug/L
Q2814-22	TW-84SB-E	Water	Magnesium	11800		122	250	1000	ug/L
Q2814-22	TW-84SB-E	Water	Manganese	4.05	J	2.97	7.50	10.0	ug/L
Q2814-22	TW-84SB-E	Water	Potassium	12600		459	800	1000	ug/L
Q2814-22	TW-84SB-E	Water	Sodium	65400		434	500	1000	ug/L
Q2814-22	TW-84SB-E	Water	Zinc	11.9	J	8.33	7.50	20.0	ug/L
Client ID :	**TW-17M-W**								
Q2814-23	TW-17M-W	Water	Aluminum	274		5.67	40.0	50.0	ug/L
Q2814-23	TW-17M-W	Water	Calcium	18400		117	250	1000	ug/L
Q2814-23	TW-17M-W	Water	Copper	52.2		2.30	8.00	10.0	ug/L
Q2814-23	TW-17M-W	Water	Iron	53.7		11.7	40.0	50.0	ug/L
Q2814-23	TW-17M-W	Water	Lead	4.30	J	1.15	4.80	6.00	ug/L
Q2814-23	TW-17M-W	Water	Magnesium	6790		122	250	1000	ug/L
Q2814-23	TW-17M-W	Water	Manganese	8.68	J	2.97	7.50	10.0	ug/L
Q2814-23	TW-17M-W	Water	Potassium	4370		459	800	1000	ug/L
Q2814-23	TW-17M-W	Water	Sodium	43000		434	500	1000	ug/L
Q2814-23	TW-17M-W	Water	Zinc	11.9	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	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	461		1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:02	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 15:02	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 15:02	6010D	SW3010
7440-39-3	Barium	31.3	JN	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/14/25 15:02	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 15:02	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 15:02	6010D	SW3010
7440-70-2	Calcium	20500		1	117	250	1000	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-47-3	Chromium	1.87	J	1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 15:02	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 15:02	6010D	SW3010
7440-50-8	Copper	3.36	J	1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-89-6	Iron	1040		1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-92-1	Lead	3.82	J	1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-95-4	Magnesium	11500		1	122	250	1000	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-96-5	Manganese	19.4		1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 15:02	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 14:50	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 15:02	6010D	SW3010
7440-09-7	Potassium	13600		1	459	800	1000	ug/L	08/13/25 10:30	08/14/25 15:02	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 15:02	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 15:02	6010D	SW3010
7440-23-5	Sodium	65600		1	434	500	1000	ug/L	08/13/25 10:30	08/14/25 15:02	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 15:02	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 15:02	6010D	SW3010
7440-66-6	Zinc	16.4	JN	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/14/25 15:02	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	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	2750		1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:06	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 15:06	6010D	SW3010
7440-38-2	Arsenic	6.27	J	1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7440-39-3	Barium	18.6	JN	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/14/25 15:06	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 15:06	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 15:06	6010D	SW3010
7440-70-2	Calcium	18400		1	117	250	1000	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7440-47-3	Chromium	4.23	J	1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 15:06	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 15:06	6010D	SW3010
7440-50-8	Copper	7.20	J	1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7439-89-6	Iron	1770		1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7439-92-1	Lead	20.9		1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7439-95-4	Magnesium	6810		1	122	250	1000	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7439-96-5	Manganese	102		1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7439-97-6	Mercury	0.14	J	1	0.076	0.16	0.20	ug/L	08/12/25 11:30	08/12/25 14:52	7470A	
7440-02-0	Nickel	1.74	J	1	1.53	5.00	20.0	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7440-09-7	Potassium	4990		1	459	800	1000	ug/L	08/13/25 10:30	08/14/25 15:06	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 15:06	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 15:06	6010D	SW3010
7440-23-5	Sodium	43400		1	434	500	1000	ug/L	08/13/25 10:30	08/14/25 15:06	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 15:06	6010D	SW3010
7440-62-2	Vanadium	8.02	J	1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 15:06	6010D	SW3010
7440-66-6	Zinc	39.8	N	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/14/25 15:06	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
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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

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:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	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 15:10	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 15:10	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 15:10	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 15:10	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 15:10	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 15:10	6010D	SW3010
7440-70-2	Calcium	250	U	1	117	250	1000	ug/L	08/13/25 10:30	08/14/25 15:10	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 15:10	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 15:10	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 15:10	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 15:10	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 15:10	6010D	SW3010
7439-95-4	Magnesium	250	U	1	122	250	1000	ug/L	08/13/25 10:30	08/14/25 15:10	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 15:10	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 14:54	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 15:10	6010D	SW3010
7440-09-7	Potassium	800	U	1	459	800	1000	ug/L	08/13/25 10:30	08/14/25 15:10	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 15:10	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 15:10	6010D	SW3010
7440-23-5	Sodium	500	U	1	434	500	1000	ug/L	08/13/25 10:30	08/14/25 15:10	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 15:10	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 15:10	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 15:10	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
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J = Estimated Value
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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

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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	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	233000	D	5	28.4	200	250	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-36-0	Antimony	31.3	UDN	5	16.9	31.3	125	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-38-2	Arsenic	304	D	5	12.8	37.5	50.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-39-3	Barium	890	DN	5	36.4	62.5	250	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-41-7	Beryllium	15.9	DN	5	1.40	3.75	15.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-43-9	Cadmium	43.3	D	5	1.25	3.75	15.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-70-2	Calcium	50900	D	5	585	1250	5000	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-47-3	Chromium	476	D	5	5.30	12.5	25.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-48-4	Cobalt	152	D	5	5.65	18.8	75.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-50-8	Copper	1300	D	5	11.5	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7439-89-6	Iron	339000	D	5	58.5	200	250	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7439-92-1	Lead	892	D	5	5.75	24.0	30.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7439-95-4	Magnesium	56700	D	5	610	1250	5000	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7439-96-5	Manganese	1190	D	5	14.9	37.5	50.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7439-97-6	Mercury	0.28		1	0.076	0.16	0.20	ug/L	08/12/25 11:30	08/12/25 15:01	7470A	
7440-02-0	Nickel	288	D	5	7.65	25.0	100	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-09-7	Potassium	46100	D	5	2300	4000	5000	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-22-4	Silver	23.1	JD	5	4.05	12.5	25.0	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-23-5	Sodium	373000	D	5	2170	2500	5000	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-62-2	Vanadium	552	D	5	15.7	50.0	100	ug/L	08/13/25 10:30	08/14/25 15:15	6010D	SW3010
7440-66-6	Zinc	3920	DN	5	41.7	37.5	100	ug/L	08/13/25 10:30	08/14/25 15:15	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

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-22	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	19.9	J	1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/20/25 16:47	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 16:47	6010D	SW3010
7440-38-2	Arsenic	7.50	U	1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/20/25 16:47	6010D	SW3010
7440-39-3	Barium	27.5	JN	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/20/25 16:47	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 16:47	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 16:47	6010D	SW3010
7440-70-2	Calcium	20700		1	117	250	1000	ug/L	08/13/25 10:30	08/20/25 16:47	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 16:47	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 16:47	6010D	SW3010
7440-50-8	Copper	5.24	J	1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/20/25 16:47	6010D	SW3010
7439-89-6	Iron	17.5	J	1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/20/25 16:47	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 16:47	6010D	SW3010
7439-95-4	Magnesium	11800		1	122	250	1000	ug/L	08/13/25 10:30	08/20/25 16:47	6010D	SW3010
7439-96-5	Manganese	4.05	J	1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/20/25 16:47	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/14/25 10:30	08/15/25 12:27	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 16:47	6010D	SW3010
7440-09-7	Potassium	12600		1	459	800	1000	ug/L	08/13/25 10:30	08/20/25 16:47	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 16:47	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 16:47	6010D	SW3010
7440-23-5	Sodium	65400		1	434	500	1000	ug/L	08/13/25 10:30	08/20/25 16:47	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 16:47	6010D	SW3010
7440-62-2	Vanadium	10.0	U	1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/20/25 16:47	6010D	SW3010
7440-66-6	Zinc	11.9	JN	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/20/25 16:47	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
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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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-23	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	274		1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-36-0	Antimony	6.25	UN	1	3.38	6.25	25.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-38-2	Arsenic	7.50	U	1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-39-3	Barium	12.5	UN	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-41-7	Beryllium	0.75	UN	1	0.28	0.75	3.00	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-70-2	Calcium	18400		1	117	250	1000	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-47-3	Chromium	2.50	U	1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-48-4	Cobalt	3.75	U	1	1.13	3.75	15.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-50-8	Copper	52.2		1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7439-89-6	Iron	53.7		1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7439-92-1	Lead	4.30	J	1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7439-95-4	Magnesium	6790		1	122	250	1000	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7439-96-5	Manganese	8.68	J	1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/14/25 10:30	08/15/25 12:29	7470A	
7440-02-0	Nickel	5.00	U	1	1.53	5.00	20.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-09-7	Potassium	4370		1	459	800	1000	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-22-4	Silver	2.50	U	1	0.81	2.50	5.00	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-23-5	Sodium	43000		1	434	500	1000	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-62-2	Vanadium	10.0	U	1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/21/25 17:01	6010D	SW3010
7440-66-6	Zinc	11.9	JN	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/21/25 17:01	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
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2814	**OrderDate:**	8/11/2025 10:31:02 AM
Client:	First Environment, Inc.	**Project:**	USACE018-44 DOD
Contact:	Al Smith	**Location:**	D31,D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2814-01	**TW-84SB-E**	**Water**			**08/05/25**			**08/08/25**
			Mercury	7470A		08/12/25	08/12/25	
			Metals ICP-TAL	6010D		08/13/25	08/14/25	
Q2814-03	**TW-17M-W**	**Water**			**08/05/25**			**08/08/25**
			Mercury	7470A		08/12/25	08/12/25	
			Metals ICP-TAL	6010D		08/13/25	08/14/25	
Q2814-16	**FB**	**Water**			**08/04/25**			**08/08/25**
			Mercury	7470A		08/12/25	08/12/25	
			Metals ICP-TAL	6010D		08/13/25	08/14/25	
Q2814-17	**TW-518R-S**	**Water**			**08/05/25**			**08/08/25**
			Mercury	7470A		08/12/25	08/12/25	
			Metals ICP-TAL	6010D		08/13/25	08/14/25	
Q2814-22	**TW-84SB-E**	**Water**			**08/05/25**			**08/08/25**
			Dissolved ICP-TAL Metals	6010D		08/13/25	08/20/25	
			Dissolved Mercury	7470A		08/14/25	08/15/25	
Q2814-23	**TW-17M-W**	**Water**			**08/05/25**			**08/08/25**
			Dissolved ICP-TAL Metals	6010D		08/13/25	08/21/25	
			Dissolved Mercury	7470A		08/14/25	08/15/25	